Tables of Azeotropes and Nonazeotropes

In Azeotropic Data—III; Horsley, L.;
Advances in Chemistry; American Chemical Society: Washington, DC, 1973.

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Table I. Binary Systems

No.	Formula	B-Component Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**Ar**	**Argon**	**—186**				
1	CO_2	Carbon dioxide —50°–20°C.		Nonazeotrope		v-l	433c
1a	N_2	Nitrogen 1.36 kg./cm²		Nonazeotrope		v-l	685c
		" 500-1500 mm.	—195	Nonazeotrope		v-l	395,685
		" 80°–105°K.				v-l	961c
2	O_2	Oxygen 1.36 kg./cm²		Nonazeotrope		v-l	685c
		"	—183	Nonazeotrope		v-l	208
		" 1-15 atm.				v-l	686
		" 90°-96°K.				v-l	1007
		" 0-10 atm.		Nonazeotrope		v-l	36
3	C_5F_{12}	Perfluoropentane, 25°C.		Nonazeotrope		v-l	695
A =	**AgCl**	**Silver Chloride**	**1550**				
4	Cl_2Pb	Lead chloride	954	Nonazeotrope			575
A =	**$AlCl_3$**	**Aluminum Chloride**	**183**				
4a	Cl_5Ta	Tantalum chloride	242	235	9.6	v-l	770e
A =	**$AsCl_3$**	**Arsenic Chloride**	**130**				
4b	Cl_2OSe	Selenyl chloride	179	Nonazeotrope		v-l	738a
4c	Cl_3P	Phosphorus trichloride 0.4–4 atm.		Nonazeotrope		v-l	27f
5	$SbCl_3$	Antimony chloride 0.3-4 atm.		Nonazeotrope		v-l	701
6	Cl_4Ge	Germanium chloride	86.5	Nonazeotrope		v-l	859,760c
6a	Cl_4Sn	Tin tetrachloride	114.1	Nonazeotrope		v-l	700c
A =	**AsH_3**	**Arsine**	**55**				
6b	ClH	Hydrochloric acid —80°C.		Nonazeotrope v.p. curve			206c
6c	H_2S	Hydrogen sulfide		— 75	78.5	v-l	206c
		"		— 85	78.0		206c
		"		— 95	74.7		206c
6d	H_3P	Phosphine —80°C.		Nonazeotrope v.p. curve			206c
A =	**BCl_3**	**Boron Chloride**	**11.5**				
7	B_2H_6	Boron hydride	— 92.5	Nonazeotrope			638
A =	**BF_3**	**Boron Fluoride**	**—100**				
8	B_2H_6	Boron hydride	— 92	—106	77.2		638
9	H_2O	Water 100 mm.			62		591
		"	100		60		591
		" 1 mm.		46	65		951
10	H_3N	Ammonia	— 33	180	80		951
11	CH_2O_2	Formic acid 11 mm.		43	42		951

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No.	Formula	B-Component Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**BF_3**	**Boron Fluoride** *(continued)*	**—100**				
12	CH_4O	Methanol 4 mm.		58	52		951
13	C_2H_3N	Acetonitrile	81.6	101	62		951
14	$C_2H_4O_2$	Acetic acid 15 mm.		70	47		591
		"	118.1	150	36		591
		" 746 mm.	118	140			951
		" 13 mm.		59	36		951
15	$C_2H_4O_2$	Methyl formate	31.9	91	53		951
16	C_2H_5ClO	2-Chloroethanol 2 mm.		59	30		943
17	C_2H_6O	Ethyl alcohol 15 mm.		51	42		951
18	C_2H_6O	Methyl ether	— 21	127	60		951
19	$C_3H_6O_2$	Ethyl formate	54.1	102	48		951
20	$C_3H_6O_2$	Methyl acetate	57.1	110	48		951
21	$C_3H_6O_2$	Propionic acid 17 mm.		62	31		951
22	$C_3H_6O_3$	Methyl glycolate 3 mm.		60	43		951
23	C_3H_8O	Ethyl methyl ether	10.8	127	53		951
24	C_3H_8O	Propyl alcohol 2 mm.		56	36		951
25	C_3H_9N	Trimethylamine	3.5	230	53		951
26	$C_4H_6O_2$	Crotonic acid 12.5 mm.		81	28		951
27	$C_4H_8O_2$	Butyric acid 11 mm.		64	28		951
28	$C_4H_8O_2$	Ethyl acetate	77.05	119	44		951
29	$C_4H_{10}O$	Butyl alcohol 3 mm.		64.5	31		951
30	$C_4H_{10}O$	Ethyl ether	34.5	125	48		951
31	C_5H_5N	Pyridine	115.5	300	46		951
32	$C_5H_{10}O_2$	Ethyl propionate	99.15	116	40		951
33	$C_5H_{10}O_2$	Propyl acetate	101.6	127	40		951
34	$C_6H_{14}O$	Amyl methyl ether 10 mm.		55	40		951
35	$C_6H_{14}O$	Isopropyl ether 98 mm.		61	40		951
A =	**B_2H_6**	**Boron Hydride**	**— 92.5**				
36	BrH	Hydrobromic acid	— 67	Nonazeotrope			638
37	ClH	Hydrochloric acid	— 85	— 94	64		638
		" 205 mm.	—106	—115	68		638
38	C_2H_6	Ethane 100-760 mm.	— 88	Nonazeotrope			638
39	$C_4H_{10}O$	Ethyl ether 25-100 p.s.i.g.		Nonazeotrope		v-l	602
40	$C_6H_{15}B$	Triethylborane -25 to 25°C.				v-l	660
A =	**BeF_2**	**Beryllium Fluoride**					
40a	FLi	Lithium fluoride 900°–1050°C.				v-l	896c
41	FNa	Sodium fluoride 509°-1061°C.				v-l	861
A =	**BrF_3**	**Bromine Trifluoride**	**135**				
42	BrF_5	Bromine pentafluoride		Nonazeotrope		v-l	593
43	Br_2	Bromine 1760 mm.		75	84.4	v-l	275
		" 3800 mm.		100	81.5	v-l	275

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**BrF_3**	**Bromine Trifluoride** *(continued)*	**135**				
44	FH	Hydrogen fluoride	19.4	Azeotropic			238
45	F_6U	Uranium hexafluoride	56	Nonazeotrope			238
A =	**BrF_5**	**Bromine Pentafluoride**					
46	FH	Hydrogen fluoride	19.4	20	56		9,238
		" 4 atm.			**79**		238
47	F_6U	Uranium hexafluoride	56	Min. b.p.			
					82		238
		" 3 atm.		Nonazeotrope		v-l	597
		" 70°		Nonazeotrope		v-l	597
		" 90°		Nonazeotrope		v-l	597
		" 100 p.s.i.a			62.5		238
A =	**BrH**	**Hydrobromic Acid**	**— 73**				
48	H_2O	Water	100	126	47.5		563
		" 100 mm.		74.12	49.80		69,483, 820
		" 500 mm.		112.94	48.19		
		" 900 mm.		129.13	47.40		
		" 1200 mm.		137.34	47.03		
49	H_2S	Hydrogen sulfide 480 mm.	— 70	— 70	60.5	v-l	915
50	SO_2	Sulfur dioxide	— 10	Nonazeotrope		v-l	915
A =	**Br_2**	**Bromine**	**58.9**				
51	FH	Hydrogen fluoride	19.4	Azeotropic			238
52	F_6U	Uranium hexafluoride	56	Azeotropic			238
53	H_2O	Water low Br_2 conc.				v-l	423
54	I_2	Iodine	185.3	Nonazeotrope			563
55	CCl_4	Carbon tetrachloride 735 mm.	76	57.7	89	v-l	908
56	$C_2Br_2F_4$	1,2-Dibromotetrafluoroethane		43	29.8		214
57	$C_2Cl_3F_3$	1,1,2-Trichloro-1,2,2-trifluoroethane	47.6	41	40.8	v-l	909
58	$C_2Cl_4F_2$	1,1,1,2-Tetrachloro-2,2-difluoroethane	91.6	57.8	89.5	v-l	909
59	$C_2HCl_3F_2$	1,2,2-Trichloro-1,1-difluoroethane, 736 mm.	71.1	54.1	73.5	v-l	910
60	$C_2H_2Cl_2F_2$	1,1-Dichloro-2,2-difluoroethane, 735 mm.	59	49.6	62	v-l	910
61	$C_3Cl_3F_5$	1,2,2-Trichloro-1,1,3,3,3-pentafluoropropane	72.5	49.1	60.5	v-l	909
62	$C_7H_5F_3$	α,α,α-Trifluorotoluene	103.9	58.1	97	v-l	909
A =	**Br_3P**	**Phosphorus Tribromide**	**175.3**				
63	C_nH_{2n+2}	Paraffin hydrocarbons		Min. b.p.			691
A =	**Br_4Sn**	**Tin Bromide**	**206.7**				
64	I_4Sn	Tin iodide	346.0	Nonazeotrope		v-l	778

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**Br_4Sn**	**Tin Bromide** *(continued)*	**206.7**				
65	$C_7H_{12}O_4$	Ethyl malonate	198.9	Reacts			563
66	$C_{10}H_8$	Naphthalene	218.1	Nonazeotrope			563
A =	**C**	**Graphite**	**2300/0.01**				
67	MnS	Manganese sulfide		1375/0.01 mm.			753
A =	**CClN**	**Cyanogen Chloride**	**12.5**				
68	HCN	Hydrocyanic acid 15 mm.		Nonazeotrope		v-l	332
68a	H_2O	Water	100	Nonazeotrope		v-l	40e
A =	**CCl_2O**	**Phosgene**	**8.2**				
69	FH	Hydrofluoric acid 3000 mm.		21	77		48
70	$C_2H_4Cl_2$	1,2-Dichloroethane	83.45	Nonazeotrope			575
A =	**CF_2O**	**Carbonyl Fluoride**					
71	CF_4O	Trifluoromethyl hypofluorite	— 94.2	— 97.0	10		448
A =	**CHN**	**Hydrocyanic Acid**	**26**				
72	H_2O	Water	100	V.P. curve			563
73	CH_4O	Methanol	64.7	Nonazeotrope			563
74	$C_2H_4O_2$	Methyl formate	31.7	24.0	52		575
75	$C_2H_5NO_2$	Ethyl nitrite	17.4	16.5	15		575
76	C_3H_3N	Acrylonitrile 400 mm.		Nonazeotrope			905
		" 400 mm.				v-l	905c
		"	77.3	Nonazeotrope			905
		" 200–760 mm.		Nonazeotrope		v-l	905f
76a	C_3H_4O	Acrolein 200–760 mm.		Nonazeotrope		v-l	905f
A =	**CO**	**Carbon Monoxide**	**—192**				
76b	CO_2	Carbon dioxide	— 78	Nonazeotrope		v-l	433c, 434c
77	CH_4	Methane -125 to 255°F.		Nonazeotrope		v-l	967
A =	**CO_2**	**Carbon Dioxide**	**— 79.1**				
78	ClH	Hydrochloric acid	— 82	Nonazeotrope			563
79	Cl_2	Chlorine	— 37.6	Nonazeotrope			575
80	H_2	Hydrogen -40 to 25°C				v-l	434
		" 219°–290°K.				v-l	905t
		" 90°–220°K.		ideal		v-l	43c
81	H_2O	Water	100	Nonazeotrope			563
82	H_2S	Hydrogen sulfide 20-80 atm.	— 59.6	Nonazeotrope		v-l	56,57
82a	He	Helium 220°–290°K.				v-l	601c
		" 253°–293°K.		Nonazeotrope		v-l	104c
83	N_2	Nitrogen —40 to 25°C				v-l	434
84	N_2O	Nitrous oxide	— 90.7	Min. b.p.		v-l	829
85	O_2	Oxygen —40 to 25°C				v-l	434
		" — 5.0°–10°C.				v-l	289c

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**CO_2**	**Carbon Dioxide** *(continued)*	**— 79.1**				
86	SO_2	Sulfur dioxide	— 10	Nonazeotrope			563
87	CS_2	Carbon disulfide	46.2	Nonazeotrope			563
88	CH_3Cl	Chloromethane	— 23.7	Nonazeotrope			499
88a	CH_4	Methane	—161	Nonazeotrope		v-l	434c
89	C_2H_2	Acetylene	— 84	Nonazeotrope		v-l	829
		" Crit. press.		Nonazeotrope		v-l	829
90	C_2H_4	Ethylene <4 atm.		Nonazeotrope		v-l	829
		" 12 atm.			28.9	v-l	829
		" Crit. press.			51	v-l	829
91	C_2H_5Cl	Chloroethane	12.4	Nonazeotrope			559
92	C_2H_6	Ethane	— 93	Max. v.p. mixture			499
		Ethane	— 88.6		59.5	v-l	829
		" Crit. press.			77.5	v-l	829
		"			77.2	v-l	453
93	C_2H_6O	Methyl ether	— 23.65	Nonazeotrope			575
93a	C_3H_6	Propylene 0°C.				v-l	1042e
		" — 43.5°C.				v-l	1042e
A =	**ClF_3**	**Chlorine Trifluoride**					
94	ClH	Hydrogen chloride	— 85	Reacts			9
95	FH	Hydrogen fluoride	19.4	Azeotropic			238
		" 1183 mm.		20	93	v-l	237
		" 90 p.s.i.g.			94.5		238
		" 125 p.s.i.g.			94		238
		" 143 p.s.i.g.			93.8		238
		" 148 p.s.i.g.			93.7		238
96	F_6U	Uranium hexafluoride	56	Nonazeotrope		v-l	235,238
		" 2600 mm.		Nonazeotrope		v-l	29c
A =	**ClH**	**Hydrogen Chloride**	**— 85**				
97	Cl_2	Chlorine 350 mm.	— 44	Nonazeotrope			9
98	Cl_4Ge	Germanium tetrachloride	86.5		79.8	v-l	10
99	H_2O	Water 50 mm.		48.724	23.42		70,118, 483,821
		" 250 mm.		81.205	21.883		
		" 760 mm.	100	108.584	20.222		
		" 1220 mm.		122.98	19.358		
		" 100 p.s.i.g.	169	177	14.8		981
		" 520 p.s.i.g.	244	250	6.5		981
		" 860 p.s.i.g.	275	280	2.8		981
		" 1360 p.s.i.g.	306	310	0.6		981
		" 1815 p.s.i.g.	328	330	0.1		981
100	SO_2	Sulfur dioxide	— 10	Nonazeotrope at —35°C.			915
101	CH_4O	Methanol	64.7	Max. b.p.			215
102	C_2H_6	Ethane 48 atm.		15	56		563
		"		25.4	59		563
103	C_2H_6O	Methyl ether	— 22	— 2	38		295
		"		Azeotropic to critical point			500
		"	— 23.65	— 1.5	60		563
104	C_6H_7N	Aniline	184.35	244.8	~27.5		563

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No.	Formula	B-Component Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$ClHO_4$**	**Perchloric Acid**	**110**				
105	H_2O	Water	100	203	71.6		563
A =	**Cl_2**	**Chlorine**	**— 34.6**				
106	FH	Hydrogen fluoride 350 mm.	3.0	— 47	92		9
		"	19.4	— 35			9
107	H_2O	Water	100	Nonazeotrope			563
108	SO_2	Sulfur dioxide 400–760 mm.				v-l	326c
		"	— 9.7	— 34.7	89		134
		" 7 atm.		18	80		134
		" 20 atm.		57.5	75.5		134
A =	**Cl_2Cu**	**Cupric Chloride**					
109	Cl_2Pb	Lead chloride	954	Min. b.p.			575
110	Cl_2Zn	Zinc chloride	732	Min. b.p.			575
A =	**Cl_2OSe**	**Selenyl Chloride**	**179**				
110a	Cl_4Sn	Tin tetrachloride	114	Nonazeotrope		v-l	738a
A =	**Cl_2O_2S**	**Sulfuryl Chloride**	**69.1**				
111	Cl_3OP	Phosphorus oxychloride	107.2		96.5/0°C.		575
112	CCl_4	Carbon tetrachloride	76.75	Nonazeotrope		v-l	991
113	C_2Cl_6	Hexachloroethane	184.8	Nonazeotrope		v-l	991
114	$C_2H_2Cl_4$	1,1,2,2-Tetrachloroethane	146.2	Nonazeotrope		v-l	991
115	$C_2H_4Cl_2$	1,2-Dichloroethane	83.45	Nonazeotrope		v-l	991
A =	**Cl_2Pb**	**Lead Chloride**	**954**				
116	Cl_2Zn	Zinc chloride	732	Nonazeotrope			575
A =	**Cl_2S_2**	**Sulfur Monochloride**	**138**				
116a	$CHCl_3S$	Perchloromethyl mercaptan 15–150 mm.		Nonazeotrope		v-l	668h
A =	**Cl_3Fe**	**Ferric Chloride**	**315**				
116b	Cl_3HSi	Trichlorosilane	32	Nonazeotrope		v-l	66c
116c	Cl_4Si	Silicon tetrachloride	56.9	Nonazeotrope		v-l	66c
A =	**Cl_3HSi**	**Trichlorosilane**	**32**				
116d	Cl_3OP	Phosphorus oxychloride 300–1520 mm.		Nonazeotrope		v-l	522c
117	Cl_3P	Phosphorus trichloride	76	Nonazeotrope		v-l	522, 66c,229c
118	CCl_4	Carbon tetrachloride	76.75	Nonazeotrope		v-l	67
118a	$C_4H_8Cl_2O$	Bis-2-chloroethyl ether	178.5	Nonazeotrope		v-l	521c
118b	$C_4H_8O_2$	Dioxane	101.1	Nonazeotrope		v-l	522e
119	C_6H_6	Benzene 30°–40°C.		Nonazeotrope			718e
				b.p. curve			718e
120	$C_6H_{14}O$	Isopropyl ether	69	Nonazeotrope		v-l	700
121	$C_6H_{14}O$	Propyl ether	85	Nonazeotrope		v-l	521
122	$C_8H_{18}O$	Butyl ether	142.4	Nonazeotrope		v-l	699
123	$C_{10}H_{22}O$	Amyl ether	185	Nonazeotrope		v-l	521
124	$C_{10}H_{22}O$	Isoamyl ether	170	Nonazeotrope		v-l	521

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A =	**Cl_3OP**	**Phosphorus Oxychloride**	**107.2**				
125	Cl_3OV	Vanadium oxychloride	126.5	Nonazeotrope		v-l	702
125a	Cl_3P	Phosphorus trichloride	76	Nonazeotrope		v-l	412c
126	Cl_4Ti	Titanium tetrachloride	136.5	143.2	46.6	v-l	702
126a	CH_3Cl_3Si	Trichloromethylsilane	66.4	Nonazeotrope		v-l	450c
126b	C_4Cl_6	Hexachlorobutadiene		Nonazeotrope		v-l	68f
A =	**Cl_3OV**	**Vanadium Oxychloride**	**126.5**				
126c	Cl_4Ge	Germanium tetrachloride	83.5	Nonazeotrope			718e
				b.p. curve			718e
126d	Cl_4Si	Silicon tetrachloride	56.8	Nonazeotrope			718e
				b.p. curve			718e
126e	Cl_4Sn	Tin tetrachloride	113.8	Nonazeotrope			718e
				b.p. curve			718e
127	Cl_4Ti	Titanium tetrachloride	136.5	Nonazeotrope		v-l	702,1075
		"	136	b.p. curve			718e
127a	Cl_4V	Vanadium tetrachloride	153	Nonazeotrope			718c
				b.p. curve			718c
127b	CCl_4	Carbon tetrachloride	76.5	Nonazeotrope			718c
				b.p. curve			718e
A =	**Cl_3P**	**Phosphorus Trichloride**	**76**				
128	Cl_4Si	Silicon tetrachloride	56.7	Nonazeotrope		v-l	63,522,66c
128a	CH_3Cl_3Si	Trichloromethylsilane	66.4	Nonazeotrope		v-l	328c,450c
129	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope			693
130	C_6H_{14}	Hexane	68.8	68.7	8 vol. %		691
131	C_7H_{16}	2,2-Dimethylpentane	79.1	Min. b.p.			691,693
132	C_7H_{16}	2,3-Dimethylpentane	89.8	74.5	98.8 vol. %		691
133	C_7H_{16}	2,4-Dimethylpentane	80.5	74.2	73		691
134	C_7H_{16}	2,2,3-Trimethylbutane	80.9	74.5	77		691
A =	**Cl_3Sb**	**Antimony Chloride**					
135	C_nH_{2n+2}	Paraffins	200-220	Min. b.p.			196,938
136	C_nH_{2n-6}	Aromatics	200-220	Nonazeotrope			196,938
A =	**Cl_4Ge**	**Germanium Tetrachloride**	**86.5**				
136a	Cl_4Si	Silicon tetrachloride	56.9	Nonazeotrope		v-l	205c
136b	CCl_4	Carbon tetrachloride	75.9	Nonazeotrope		v-l	205c
136c	$CHCl_3$	Chloroform	61	Nonazeotrope		v-l	205c
136d	CH_2Cl_2	Dichloromethane	41.5	Nonazeotrope		v-l	205c
136e	$C_2H_4Cl_2$	1,1-Dichloroethane	57.4	Nonazeotrope		v-l	205c
136f	$C_2H_4Cl_2$	1,2-Dichloroethane	83.45	Nonazeotrope		v-l	205c
136g	C_2H_5Cl	Chloroethane	13	Nonazeotrope		v-l	205c
A =	**Cl_4Si**	**Silicon Tetrachloride**	**56.9**				
137	Cl_4Ti	Titanium tetrachloride	136.5	Nonazeotrope		v-l	575,987
138	CCl_4	Carbon tetrachloride	76.75	Nonazeotrope		v-l	987,1031
139	$CHCl_3$	Chloroform	61	55.6	70		844
140	CH_3SiCl_3	Methyl trichloro-silane, 20°-66°		Nonazeotrope, v.p. curve			485
141	CH_3NO_2	Nitromethane	101	53.8	94		841
142	CH_4SiCl_2	Methyl dichloro-silane, 20°-66°		Nonazeotrope, v.p. curve			485

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**Cl_4Si**	**Silicon Tetrachloride** *(continued)*	**56.9**				
143	C_2H_3N	Acetonitrile	81.5	49.1	90.4	v-l	484
		"	82	49.0	90.6		841,843
144	$C_2H_4Cl_2$	1,1-Dichloroethane	57.4	52.7	63.5		844
145	$C_2H_4Cl_2$	1,2-Dichloroethane	83.7	Azeotropic?			844
146	C_3H_3N	Acrylonitrile	79	51.2	89		841,843
147	C_3H_5N	Propionitrile	97	55.6	92		841
148	C_3H_9SiCl	Chlorotrimethylsilane		Azeotrope composition independent of pressure			840,843
		"	57.5	54.7	64.8		841
		" 2247 mm.		90	66.2		484
		" 760 mm.	57.7	54.5	64.8	v-l	484
		" 83 mm.		0	58.8		484
		" 17 mm.		30.0	55.1		484
148a	$C_4H_8Cl_2O$	Bis-2-chloroethyl ether	178.5	Nonazeotrope		v-l	521c
		"		b.p. curve			886c
148b	$C_4H_8O_2$	Dioxane	101.1	Nonazeotrope		v-l	522e
149	C_6H_{14}	3-Methylpentane	63.3	Nonazeotrope			844
150	C_6H_{14}	2-Methylpentane	60.4	Nonazeotrope			844
151	$C_6H_{14}O$	Isopropyl ether	69	Nonazeotrope		v-l	700
151a	$C_6H_{14}O$	Propyl ether	91	Nonazeotrope		v-l	521c
152	$C_8H_{18}O$	Butyl ether	142.4	Nonazeotrope		v-l	699
152a	$C_{10}H_{22}O$	Isoamyl ether	173	Nonazeotrope		v-l	521c
152b	$C_{10}H_{22}O$	Amyl ether	190	Nonazeotrope		v-l	521c
A =	**Cl_4Sn**	**Tin Chloride**	**113.85**				
153	Cl_4Ti	Titanium chloride	136	Nonazeotrope			575
154	CCl_4	Carbon tetrachloride	76.8	Nonazeotrope		v-l	124
155	C_3H_5ClO	Epichlorohydrin	116.45	Reacts			563
156	C_5H_5N	Pyridine	115.5	Reacts			563
157	C_6H_6	Benzene	80.2	Nonazeotrope			563
158	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope			575
159	$C_6H_{12}O_2$	Ethylbutyrate	119.9	Reacts			563
160	C_7H_8	Toluene	110.7	109.15	52		563
161	C_7H_{14}	Methylcyclohexane	101.15	<100.8	>15		562
		"	101.1	Nonazeotrope			545
162	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			575
163	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	112.5	80		562
164	C_8H_{18}	2,5-Dimethylhexane	109.4	107.5	40		548,575
165	C_8H_{18}	Octane	125.75	<113.2	>80		545,562
		"	125.7	Nonazeotrope		v-l	124
A =	**Cl_4Ti**	**Titanium Chloride**	**136**				
166	CCl_4	Carbon tetrachloride	76.75	Nonazeotrope		v-l	575,987,1076
167	CS_2	Carbon disulfide	46.25	Nonazeotrope		v-l	987
167a	CH_3Cl_3Si	Trichloromethylsilane	66.4	Nonazeotrope		v-l	522g
168	C_2Cl_4O	Trichloroacetyl chloride	118	Nonazeotrope		v-l	868,869,1075

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**Cl_4Ti**	**Titanium Chloride** *(continued)*	**136**				
169	$C_2H_2Cl_2O$	Chloroacetyl chloride	106	105	20	v-l	868
		"	105	Nonazeotrope		v-l	869
170	$C_2H_2Cl_4$	1,1,2,2-Tetrachloro-ethane, 740 mm.	146.6	135.4	91.7	v-l	115
A =	**Cu**	**Copper**	**2310**				
171	Pb	Lead	1525	Azeotropic			575
172	Sn	Tin	2275	Max. b.p.			563
A =	**DH**	**Deuterium Hydride**					
173	D_2	Deuterium, 18°-28°K.	—249.7	Nonazeotrope		v-l	696
174	H_2	Hydrogen, 18°-28°K.	—252.7	Nonazeotrope		v-l	696
A =	**D_2**	**Deuterium**	**—249.7**				
175	H_2	Hydrogen, 18°-28°K.	—252.7	Nonazeotrope		v-l	696
A =	**D_2O**	**Deuterium Oxide**					
176	H_2O	Water		221	53		1055
		Azeo. comp. varies from 0-100% H_2O from 220-222°C. Nonazeo. below 220°C					1055
A =	**FH**	**Hydrogen Fluoride**	**19.4**				
177	F_5Sb	Antimony pentafluoride	142.7	Nonazeotrope		v-l	870
178	F_6U	Uranium hexafluoride					
		" 85 p.s.i.g.			22		238
		" 110 p.s.i.g.			18		238
		" 132 p.s.i.g.			15		238
		" 145 p.s.i.g.			14		238
179	H_2O	Water	100	111.35	35.6		289,820
		"		B.p. curve			" "
		" 750 mm.	100	112.0	38.26	v-l	670
180	SO_2	Sulfur dioxide	— 10	Nonazeotrope		v-l	433
		" 2280 mm.	28	Nonazeotrope		v-l	433
181	CCl_2F_2	Dichlorodifluoromethane		20	8		
				(Under pressure)			48
		" 150 p.s.i.g.	48	39	7.5		981
182	$CHClF_2$	Chlorodifluoro-methane 70 p.s.i.g.	7	< 7	3		981
		" 150 p.s.i.g.	29	24	2.7		981
		" 230 p.s.i.g.	45	36	2.8		981
		"			1-2.2		48
183	$C_2HF_3O_2$	Trifluoroacetic acid		Nonazeotrope		v-l	659
184	C_4H_{10}	Butane	0	Min. b.p.			291,325
185	C_4H_{10}	2-Methylpropane	— 10	Min. b.p.			291,325
186	$C_4H_{10}O$	Ethyl ether	34.5	74	40		135
A =	**F_3Sb**	**Antimony Fluoride**	**319**				
187	F_5Sb	Antimony pentafluoride	155	390	62		563
		"	155	384	80		563

No.	Formula	B-Component Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**F_6Nb**	**Niobium Pentafluoride**					
187a	F_6U	Uranium hexafluoride 5.9 atm.		Nonazeotrope		v-l	756c
A =	**F_6S**	**Sulfur Hexafluoride**					
188	C_5F_{12}	Perfluoropentane, 25°C.		Nonazeotrope		v-l	695
A =	**F_6U**	**Uranium Hexafluoride**	**56**				
188a	F_6W	Tungsten hexafluoride 1520–2600 mm.		Nonazeotrope		v-l	768c
188b	$C_2Cl_2F_4$	1,2-Dichlorotetrafluoroethane 2600 mm.		Nonazeotrope		v-l	131c
A =	**F_6W**	**Tungsten Hexafluoride**	**25/1019; 45/1982 mm.**				
189	C_5F_{10}	Perfluorocyclopentane	25/833	25/1035	85.4	v-l	819
		"	45/1642	45/2010	83.4	v-l	819
190	C_5F_{12}	Perfluoropentane, 1140 mm.	40.86	28.11	93.2	v-l	41
A =	**HI**	**Hydriodic Acid**	**— 34**				
191	H_2O	Water 744 mm.	100	127	57		483,820
				18	60.5		820
				100	58.2		820
192	H_2S	Hydrogen sulfide 60°C.		Nonazeotrope/		v-l	915
A =	**HNO_3**	**Nitric Acid**	**86**				
193	H_2O	Water 735 mm.	100	120.5	68		820
		" 75 mm.			66.7		820
		" 1200 mm.			68.7		820
		" 7 mm.		25	66.2	v-l	278
		" 30 mm.				v-l	629c
		" 50 mm.				v-l	629c
		" 100 mm.				v-l	629c
		" 50 mm.	37	57.8	65.8	v-l	72
		" 100 mm.	51.6	72.4	66.0	v-l	72
		" 200 mm.	66.5	86.4	66.4	v-l	72
		" 400 mm.	83.0	103.2	66.8	v-l	72
		" 760 mm.	100	120.7	67.4	v-l	72
		See also H_2O-N_2O_5 below					
194	$CHCl_3$	Chloroform	61	47.5	15		738
A =	**HO_4Re**	**Rhenic Acid**					
194a	H_2O	Water	100	Nonazeotrope		v-l	68c
A =	**H_2**	**Hydrogen**	**—252.7**				
194b	He	Helium 14°–15.5°K.				v-l	342c
		" 15.5°–29.8°K.				v-l	900c
195	Ne	Neon			28.6	v-l	927
		" 0-26 atm.		Azeotropic		v-l	372
		"		26°K	33	v-l	372
		"		30°K	27.2	v-l	372

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**H_2**	**Hydrogen** *(continued)*	**−252.7**				
195a	C_2H_4	Ethylene	−104	Nonazeotrope		v-l	386m
A =	**H_2O**	**Water**	**100**				
196	H_2O_2	Hydrogen peroxide	152.1	Nonazeotrope		v-l	326
		"				v-l	281
197	H_2SO_4	Hydrogen sulfate		330	1.7		981
		" 200 mm.			1.6		981
198	H_2S	Hydrogen sulfide	— 63.5	Nonazeotrope			563
199	H_3N	Ammonia	— 33.5	Nonazeotrope			563
200	H_4N_2	Hydrazine	113.5	120	28.5		563
		"	113.5	120	30		402
		" 20-760 mm.				v-l	986
		" 124.8 mm.	66.8	74.2	33.2	v-l	107
		" 281.8 mm.	86.5	93.3	32.3	v-l	107
		" 411.2 mm.	96.8	103.6	31.0	v-l	107
		" 560.4 mm.	105.2	111.3	31.4	v-l	107
		" 700.6 mm.	111.7	117.6	32.6	v-l	107
		" 760 mm.	113.8	120	32.3	v-l	107
201	N_2O_5	Nitrogen pentoxide		Max. b.p.	40	v-l	588
		"		Min. b.p.	14.3		588
		"		Max. b.p.	12.5		588
202	O_2S	Sulfur dioxide	— 10	Nonazeotrope			563
203	O_3S	Sulfur trioxide	47	338	~ 19		563
		"			17.2		820
204	$O_{10}P_4$	Phosphorus pentoxide 104 mm.		694	8.9		954
		" 753 mm.		869	7.9		954
205	CCl_4	Carbon tetrachloride	76.75	66	4.1		215,689
		"	75.9	66	4		623c
206	CS_2	Carbon disulfide	46.25	42.6	2.8		201,606
207	$CHCl_3$	Chloroform	61	56.1	2.8		171,803,1000
208	CH_2Cl_2	Dichloromethane	43.5	38.1	1.5		36,620
209	CH_2O	Formaldehyde	— 21	Nonazeotrope		v-l	756
210	CH_2O_2	Formic acid	100.75	107.2	22.6		803
		"			22.5		260
		" 45 p.s.i.a.		139	15		260
		" 175 mm.		63	35		260
		" 15 mm.			40		260
		" 40-760 mm.				v-l	145
		"	100.75	107.65	25.5	v-l	171,649,1058
		"	100.7	107.6	22.3		112
		" 50 mm.				v-l	507c
211	CH_3NO_2	Nitromethane	101.2	83.59	23.6	v-l	168,285,806,857
		"				v-l	856c
212	CH_3NO_3	Methyl nitrate	64.8	< 61.5	< 16		560

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	H_2O	**Water** *(continued)*	**100**				
213	CH_4O	Methanol					
		0-150 p.s.i.g.		Nonazeotrope			728
				v-l data			198,483,728,1046
214	CH_5N	Methylamine	— 6	Nonazeotrope			575
215	CH_6N_2	Methylhydrazine	88	105.2	52.7		402
216	$C_2Cl_3F_3$	1,1,2-Trichlorotri-fluoroethane	47.5	44.5	1.0		981
217	C_2Cl_4	Tetrachloroethylene	121	88.5	17.2		981
		"	121	87.7	15.8		466
218	C_2HCl_3	Trichloroethylene	86.2	73.4	7.02		497
		"	86.2-86.6	73.6	5.4		337,803
219	C_2HCl_3O	Chloral	97.75	95	7		813
220	C_2HCl_5	Pentachloroethane	162.0	95.9			575
221	$C_2HF_3O_2$	Trifluoroacetic acid		105	21		659
222	$C_2H_2Cl_2$	*cis*-1,2-Dichloroethylene	60.2	55.3	3.35		148
223	$C_2H_2Cl_2$	*trans*-1,2-Dichloroethylene	48.35	45.3	1.9		148
224	$C_2H_3Cl_2NO_2$	Methyl *N,N*-dichlorocarbamate		93	50 vol. %		142
225	$C_2H_3Cl_3$	1,1,2-Trichloroethane	113.8	86.0	16.4		981
226	C_2H_3N	Acetonitrile	81.6		16.5	v-l	997f
		10 mm.	— 15	< -16	2.6		983
		" 50 mm.	13	< 12	5.8		983
		" 760 mm.	80.1	76.5	16.3		983
		"	81.5	76.0	14.2	v-l	173,583,
		" 300 mm.	54.4	51.1	10.5	v-l	727,763,
		" 150 mm.	36.7	34.1	7.2	v-l	959
		"	81.5	76	14.2	v-l	58
		" 750 mm.		76.1	15.85		700
		"		76.2	17.1		997c
		" 100-3168 mm.		% H_2O increases with pressure		v-l	150,742
227	$C_2H_4Cl_2$	1,2-Dichlorethane	83.5	72.28	9.2		112
		"	83.5	71.6	8.2		981
		"		75.5	8.2		806
		" 150 mm.		33.5	4.9		806
		" 75 mm.		19.0	4.9		806
		"	84	72	7.9		33,357
228	$C_2H_4Cl_2O$	Bis(chloromethyl) ether	106	Min. b.p.			723
229	C_2H_4O	Acetaldehyde	20.2	Nonazeotrope		v-l	167
		" 5 atm.		Nonazeotrope		v-l	41c
230	C_2H_4O	Ethylene oxide	10	Nonazeotrope		v-l	167,980
231	$C_2H_4O_2$	Acetic acid 50 mm.		Nonazeotrope		v-l	507e
		"	118	Nonazeotrope		v-l	171,483,901
232	$C_2H_4O_2$	Methyl formate	31.9	Nonazeotrope			359

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**H_2O**	**Water *(continued)***	**100**				
233	C_2H_5Br	Bromoethane	38.4	37	1.3 vol.		820
234	C_2H_5BrO	2-Bromoethanol					
		150 mm.	100	58	55.7		215
235	C_2H_5ClO	2-Chloroethanol					
		50 mm.	60	37.1	60.2		981
		" 100 mm.	75	51.1	59.3		981
		" 748 mm.	128.7	97.75	58		38,76,462
		" 50 mm.		35—36	60		38,76,462
		" 200 mm.		65.46	58.6		481a
		" 200–760 mm.			56	v-l	1c
236	C_2H_5I	Iodoethane	70	66	3—4 vol.		754
237	C_2H_5IO	1-Iodo-2-ethanol	176	98.7	77		215
238	C_2H_5NO	Acetamide	221.2	Nonazeotrope			529
239	C_2H_5NO	*N*-Methylformamide					
		200 mm.		Nonazeotrope		v-l	373
		" 500 mm.		Nonazeotrope		v-l	373
240	$C_2H_5NO_2$	Nitroethane	114.07	87.22	28.5		168,806
241	$C_2H_5NO_3$	Ethyl nitrate	87.68	74.35	22		538
241a	C_2H_6	Ethane crit. region				v-l	190c
242	C_2H_6O	Ethyl alcohol	78.3	78.174	4.0		34,131, 337,706,803,1046
				Effect of pressure			471,1001
		" 150°-350°C.				v-l	42
		" 250-2500 mm.				v-l	719
243	C_2H_6SO	Dimethyl sulfoxide		Nonazeotrope		v-l	671
244	$C_2H_6O_2$	Ethylene glycol					
		76-760 mm.		Nonazeotrope		v-l	183,201,529
245	$C_2H_6SO_4$	Methyl sulfate	189.1	98.6	73		575
246	C_2H_7N	Dimethylamine	7.3	Nonazeotrope			575
247	C_2H_7N	Ethylamine	16.55	Nonazeotrope			575
248	C_2H_7NO	2-Aminoethanol	170.5	Nonazeotrope			981
		" 100 mm.	112	Nonazeotrope			981
249	$C_2H_8N_2$	1,1-Dimethylhydrazine 102 mm.		Max. b.p. 82.5			132
		"		Nonazeotrope			132
250	$C_2H_8N_2$	1,2-Ethylenediamine	116		18.0	v-l	215
		"	116	118.5	20	v-l	386c
		" 1.77 atm.		Nonazeotrope		v-l	386c
		" >3400 mm.		Nonazeotrope			215
		"	116.9	119	18.4		981
		"	116	118	20-25		173
251	$C_3HF_5O_2$	Pentafluoropropionic acid		109	10		659

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**H_2O**	**Water** *(continued)*	**100**				
251a	$C_3H_2F_6O$	1,1,1,3,3,3-Hexafluoro-2-propanol 100–300 mm.		Nonazeotrope		v-l	674c
252	C_3H_3N	Acrylonitrile	77.2	70.6	14.3		981
		"		70	13		959
		"	77.3	71	12		215
		"			12.7	v-l	997c
		" 200 mm.		33	9.0	v-l	905i
		" 400 mm.		52.1	10.5	v-l	905i
		"	77.3	70.9	12.0	v-l	905i
253	C_3H_3NS	Thiazole 695.5 mm.		90	34.8	v-l	653
		" 750 mm.	111.5	92.1	35.3	v-l	653
254	C_3H_4O	Acrolein	52.8	52.4	2.6		981
		" 200 mm.		18.35	1.28	v-l	469
		" "		18.6	1.02	v-l	905i
		" 400 mm.		34.4	1.74	v-l	905i
		"	52.5	52.3	2.48	v-l	905i
255	C_3H_4O	Propargyl alcohol	113	96	65		172
		"	115	97	54.5		264
		"				v-l	885
256	$C_3H_4O_2$	Acrylic acid 90 mm.	84	Nonazeotrope		v-l	157
		"	141.2	Nonazeotrope			981
		" 750 mm.		99.85	99.6	v-l	301c
		"		% acid increases with pressure			301c
257	$C_3H_4O_3$	Ethylene carbonate		Nonazeotrope			981
258	C_3H_5Cl	3-Chloropropene	44.9	43.0	2.2		981
259	C_3H_5Cl	Methylvinyl chloride		33	0.9		981
260	C_3H_5ClO	1-Chloro-2-propanone	121	Min. b.p.			723
261	C_3H_5ClO	α-Chloropropionaldehyde	86	80.5-81			712
262	C_3H_5ClO	Epichlorohydrin	115.2	88.5	26		980
		"	117	88	25		265
263	$C_3H_5ClO_2$	Methyl chloroacetate	131.4	92.7	36.15		121
264	C_3H_5I	3-Iodopropene	102.0	80.7	10		563
265	C_3H_5N	Propionitrile	97	81.5-83	24		959
266	C_3H_5NO	Hydracrylonitrile	229.7	Nonazeotrope			981
267	$C_3H_6Cl_2$	1,2-Dichloropropane	97	78	12		333
268	$C_3H_6Cl_2O$	2,3-Dichloro-1-propanol	183.8	99.4	87		981
269	C_3H_6O	Acetone	56.1	Nonazeotrope		v-l	726
		" 50 p.s.i.a.		Nonazeotrope		v-l	726
		" 100 p.s.i.a.		125.4	5.2	v-l	726
		" 200 p.s.i.a.		157.6	7.2	v-l	726
		" 250 p.s.i.a.		168.4	9.4	v-l	726
		" 500 p.s.i.a.		206.0	14.3	v-l	726
		" 0-35 p.s.i.g.		Nonazeotrope			371,728, 803,854
		" 85 p.s.i.g.	125.1	124.1	3	v-l	371,728, 803,854
		" 0-185 p.s.i.g.					371,728, 803,854

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	H_2O	**Water** *(continued)*	**100**				
270	C_3H_6O	Allyl alcohol	96.90	88.89	27.7	v-l	358,875, 1004,1024
		" "		89.14	29.2	v-l	338
		" " 752 mm.	96.90			v-l	364
271	C_3H_6O	Propionaldehyde	47.9	47.5	2		981
		"		47.5	2.5		227
272	C_3H_6O	Propylene oxide	35	Nonazeotrope		v-l	183
		"	34.1	33.8	1.0		575
		"	35	Nonazeotrope			215
		" 60 p.s.i.g.	88	86.5	0.2	v-l	980
		" 30 p.s.i.g.	69	69	0.1	v-l	980
		"	34	Nonazeotrope		v-l	980
273	$C_3H_6O_2$	1,3-Dioxolane	75	70-73	6.7		344
		"	75.6	71.9	7		344,981, 148a
274	$C_3H_6O_2$	Ethyl formate	54.2	52.6	5		981
		" "	54.1	Nonazeotrope			359
275	$C_3H_6O_2$	Methoxyacetaldehyde, 770 mm.	92.3	88.8	20		216
		" 770 mm.	92	88.5	12.8		217
276	$C_3H_6O_2$	Methyl acetate, <10 p.s.i.a		Nonazeotrope			366
		"	56.3	56.1	5		981
		" 265 mm.	30	30	1.5		981
		"	57	56.4	3.2-3.7		303
		"	57	Nonazeotrope			359
		"	57	56.5		v-l	633
		"		55.8	2.6		36g
277	$C_3H_6O_2$	Propionic acid	141.4	99.1	82.2	v-l	483,722, 563
		"	141.1	99.2	83.7	v-l	26,190
		"		99.9	82.3	v-l	812
		" 400 mm.		82.9	83.9	v-l	812
		" 200 mm.		66.3	85.5	v-l	812
		" 100 mm.		Nonazeotrope		v-l	812
		" 149.8 mm.		60.0	85	v-l	80
		" 92.6 mm.		50.0	90.0	v-l	80
		" 55.3 mm.		40.0	94.5	v-l	80
278	$C_3H_6O_3$	Methyl carbonate	90.25	77.5	11		575
279	$C_3H_6O_3$	Trioxane	114.5	91.4	30		1003
		" 754.5 mm.	113.82	91.32	30.1	v-l	867,225c
279a	C_3H_7Br	1-Bromopropane	71.0	63.2	4.0		498i
280	C_3H_7Cl	1-Chloropropane	46.6	44	2.2		981
		"	46.4	43.4	1.0		215
281	C_3H_7Cl	2-Chloropropane	36.5	33.6	1.2		215
		"	36.5	35.0	1		981

In Azeotropic Data—III; Horsley, L.;
Advances in Chemistry; American Chemical Society: Washington, DC, 1973.

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	H_2O	**Water** *(continued)*	**100**				
282	C_3H_7ClO	1-Chloro-2-propanol	127		49		130
		"	127.4	95.4	45.8		128
		743 mm.		96	50.9		462
283	C_3H_7ClO	2-Chloro-1-propanol	133.7	96	50.9		575
284	C_3H_7N	Allylamine	52.9	Nonazeotrope			878
285	C_3H_7NO	Dimethylformamide	153	Nonazeotrope		v-l	207
		" 50-760 mm.		Nonazeotrope		v-l	655
		" 500 mm.	138	Nonazeotrope			981
		" 200-760 mm.		Nonazeotrope		v-l	934
286	C_3H_7NO	Propionamide	222.1	Nonazeotrope			535
287	$C_3H_7NO_2$	Isopropyl nitrite	40.1	Nonazeotrope			575
288	$C_3H_7NO_2$	Propyl nitrite	47.75	Nonazeotrope			575
289	$C_3H_7NO_2$	1-Nitropropane	131.18	91.63	36.5		168,806
290	$C_3H_7NO_2$	2-Nitropropane	120.25	88.55	29.4		168,806
291	$C_3H_7NO_3$	Propyl nitrate	110.5	84.8	25		538,560
292	C_3H_8O	Isopropyl alcohol	82-82.3	80.3	12.6	v-l	164,525, 834,857 1046
		" 67 mm.		30	12	v-l	979c
		" 153 mm.		45	12	v-l	979c
		" 319 mm.		60	12	v-l	979c
		" 95 mm.		36	13	v-l	1027
		" 190 mm.		49.33	12.8	v-l	1027
		" 380 mm.		63.90	12.6	v-l	1027
		" 760 mm.	82.5	80.10	12.0	v-l	1027, 1042g
		" 3087 mm.		120.45	11.7	v-l	1027
		" 150°-300° C.				v-l	42
		"		Evaporation data			577
				Effect of dissolved salt		v-l	764
		"		80.3			1042
293	C_3H_8O	Propyl alcohol,					
		" 47 mm.			31.8		322
		" 200 mm.		56.68	29.6	v-l	674,890
		" 400 mm.		71.92	29.0	v-l	890
		" 600 mm.		81.68	28.5	v-l	890
		"		87.65	28.3	v-l	890
		"		In 1.5*M* $CaCl_2$ Solution		v-l	209
		" 740 mm.	97.3	87	28.3		584
		" 1790 mm.		110	27.8		584
		" 2830 mm.		124	27.5		584
		" 3860 mm.		135	27.2		584
		" 5930 mm.		151	26.7		584
		"	97.3	87.76	29.1,	v-l	285,483, 760,1046

In Azeotropic Data—III; Horsley, L.;
Advances in Chemistry; American Chemical Society: Washington, DC, 1973.

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**H_2O**	**Water** *(continued)*	**100**				
294	$C_3H_8O_2$	2-Methoxyethanol	124.5	99.9	77.8		129,556
		" 100 mm.		51.5	80.5	v-l	421
		" 752 mm.		99.2	81	v-l	421
		" 150 mm.	79.2	Nonazeotrope			981
		" 760 mm.	124.6	99.9	84.7		981
		" 100 p.s.i.g.	212	169	73.3		981
		" 750 mm.		99.5	80.0		311
		" 268 mm.		71	88		311
		" 212 mm.		67.6	91		311
		" 133 mm.		57.2	94		311
		" 60 mm.		42	99		311
		" 40 mm.		Nonazeotrope			311
295	$C_3H_8O_2$	Dimethoxymethane	42.3	41.9	0.65		581c
			42.3	42.05	1.4		324
			42.25	Nonazeotrope			563
296	$C_3H_8O_2$	1,2-Propanediol	187.8	Nonazeotrope			575
		1,2-Propanediol	188	Nonazeotrope		v-l	183
297	$C_3H_8O_2$	1,3-Propanediol	214.8	Nonazeotrope		v-l	981
298	C_3H_9N	Propylamine	47.8	Nonazeotrope			981
299	C_3H_9N	Trimethylamine	3.2	75.5	10	v-l	414
		" 0°–100°C.				v-l	414
		"	3.5	Nonazeotrope			575
300	C_3H_9NO	1-Amino-2-propanol	159.9	Nonazeotrope			981
301	$C_3H_{10}N_2$	1,2-Propanediamine	119.7	Nonazeotrope			128
302	$C_4HF_7O_2$	Perfluorobutyric acid	122.0	97	71		659
303	$C_4H_4N_2$	Pyrazine	114-115	95.5	40		751
304	C_4H_4O	1-Butyn-3-one	85	74	35		902
305	C_4H_4O	Furan	31.7	Nonazeotrope			575
306	C_4H_4S	Thiophene	84	Min. b.p.			1017
307	C_4H_5N	3-Butenenitrile	118.9	89.4	34		981
308	C_4H_5N	*cis-* and *trans-* crotononitrile	107.5-120.5	85			136
309	C_4H_5N	Methacrylonitrile		76.5	16		767
310	C_4H_5N	Pyrrol	129.8	93-93.5			39
311	C_4H_6ClN	2-Chloro-2-methyl-propionitrile	116	87	22		767
312	C_4H_6O	1-Butene-3-one					
		" 743 mm.		75.5	14.1	v-l	420
		" 300 mm.		51.1	14.1		420
		" 150 mm.		32	11.9	v-l	420
313	C_4H_6O	3-Butyn-1-ol	128.9	Min. b.p.			267
314	C_4H_6O	3-Butyn-2-ol	109	92			172
315	C_4H_6O	Crotonaldehyde, 111 mm.	84.9	40	19		981
		" 273 mm.	112.3	60	22		981

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**H_2O**	**Water** *(continued)*	**100**				
		Crotonaldehyde					
		" 412 mm.	126.4	70	23		981
		"	102.4	84	24.8		266,398, 981
316	C_4H_6O	Methacrylaldehyde	68.0	63.6	7.7		767,981
317	$C_4H_6O_2$	Biacetyl	87-88	78.5			119
318	$C_4H_6O_2$	3-Butenoic acid		Nonazeotrope			981
319	$C_4H_6O_2$	*trans*-Crotonic acid	185	Nonazeotrope			981
320	$C_4H_6O_2$	Crotonic acid		99.9	97.8		227
321	$C_4H_6O_2$	Butyrolactone	204.3	Nonazeotrope			981
322	$C_4H_6O_2$	Dioxene 753 mm.	94	79.3	13.7		215
		" 200 mm.		46.5	12.3		215
323	$C_4H_6O_2$	Methacrylic acid	160.5	99.3	76.9	v-l	299
		" " 25 mm.		26.0	84.0		215
		" " 50 mm.		37.3	82.4		215
		" " 100 mm.		50.5	81.1		215
324	$C_4H_6O_2$	Methyl acrylate	80	71	7.2		800
325	$C_4H_6O_2$	Vinyl acetate	72.7	66	7.3		981
326	$C_4H_6O_3$	Propylene carbonate	242.1	Nonazeotrope			981
327	C_4H_7Cl	1-Chloro-2-methyl-1-propene	68.1	61.9	7.5		105
328	C_4H_7ClO	α-3-Chloro-2-buten-1-ol	164	98.1			367
329	C_4H_7ClO	β-3-Chloro-2-buten-1-ol	166	98.8			367
330	C_4H_7ClO	2-Chloroethyl vinyl ether	109.1	84	17		981
331	$C_4H_7ClO_2$	4-Chloromethyl 1,3-dioxolane, 40 mm.	67	99			860
332	$C_4H_7ClO_2$	Ethyl chloroacetate	143.5	95.2	45.12		121
333	C_4H_7N	Butyronitrile	118	87.5	31		959
		"	117.6	88.7	32.5		981
334	C_4H_7N	Isobutyronitrile	103	82.5	23		959
335	C_4H_7NO	2-Hydroxyisobutyronitrile, 30 mm.		Nonazeotrope			981
		" 50 mm.		Nonazeotrope			981
336	$C_4H_8Cl_2O$	Bis(2-chloroethyl) ether	179.2	98	65.5		981
337	$C_4H_8Cl_2O$	1,3-Dichloro-2-methyl-2-propanol	174	98.3	64.8		105
338	C_4H_8O	2-Butanone	79.6	73.41	11.3	v-l	552,633, 876,877
		" 768-1243 mm		Effect of pressure			363
		"	79.6	73.4	11.0		218
		" 3.5 p.s.i.g.		79.3	12.1		218
		" 9.2 p.s.i.g.		88.0	12.5		218
		" 30 p.s.i.g.		111	15.8		218
		" 60 p.s.i.g.		125	18.3		218
		" 14.7 p.s.i.a.		73.3	11.6	v-l	726
		" 50 p.s.i.a.		112.2	15.9		726

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	H_2O	**Water** *(continued)*	**100**				
		2-Butanone 100 p.s.i.a.		139.0	19.3		726
		" 250 p.s.i.a.		180.7	23.4		726
		" 500 p.s.i.a.		216.1	26.4		726
		"	79.6	73.77	12.7	v-l	15
		" 600 mm.		67.11	12.1	v-l	15
		" 400 mm.		56.81	11.0	v-l	15
		" 200 mm.		40.16	8.3	v-l	15
339	C_4H_8O	1-Buten-3-ol	97.4	85	26		172
		"	96-97	Azeotropic			575
340	C_4H_8O	Butyraldehyde	74	68	6		519
		"		Evaporation behavior			577
		"	74.8	68.0	9.7		981
		"		67.8	6.7		227
341	C_4H_8O	Crotonyl alcohol	119-120		60		575
342	C_4H_8O	Ethyl vinyl ether	35.5	34.6	1.5		981
343	C_4H_8O	Isobutyraldehyde	63.5	64.3	6.7		227
		"	63.3	60.1	9.6		665
344	C_4H_8O	Methyl propenyl ether	46.3	46.3	0.5		981
345	C_4H_8O	Tetrahydrofuran 100 p.s.i.g.			12	v-l	224
		"	66	64	5.3	v-l	224
		Tetrahydrofuran		63.8	4.6	v-l	158
346	C_4H_8OS	2-Methylthiopropional-dehyde, 85 mm.		48	64		215
		" 412 mm.		82	60		215
		" 753 mm.		97.5	68		215
		" 759 mm.		97.5	63		215
347	C_4H_8OS	1,4-Oxathiane	149.2	95.6	48		981
348	$C_4H_8O_2$	Butyric acid	163.5	99.4	97	v-l	26
		" "	162.45	99.4	81.5	}	483,545,
					80	v-l }	722,757
349	$C_4H_8O_2$	Dioxane 50 mm.		26.9	10.5	v-l	481g
		" 100 mm.		39.9	12.1	v-l	481g
		"	101.3	87.8	17.6	v-l	481g
		"	101.32	87.82	18	v-l	128, 201,898
		"		Effect of dissolved salt		v-l	641
		" 260 mm.		60	15.4		183
350	$C_4H_8O_2$	1,3-Dioxane	104-105	86.5			860
351	$C_4H_8O_2$	Ethoxyacetaldehyde	105	90	21.8		217
		"	103	90	24.4		881
352	$C_4H_8O_2$	Ethyl acetate,					
		" 25 mm.	2.51	— 1.90	3.60		
		" 250 mm.	46.87	42.55	6.28		650,
		" 760 mm.	77.15	70.38	8.47		877,
		" 1441 mm.	97.80	89.08	9.94		1033

No.	Formula	B-Component Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	H_2O	**Water** *(continued)*	**100**				
		Ethyl acetate		50		v-l	452c
		"		60		v-l	452c
		"		70		v-l	452c
		"		80		v-l	452c
353	$C_4H_8O_2$	2-Hydroxybutyraldehyde, 80 mm.		Nonazeotrope			981
354	$C_4H_8O_2$	Isobutyric acid	154.5	98.8	71.8		227
		"	154.35	99.3	79		563
355	$C_4H_8O_2$	Isopropyl formate	68.8	65.0	3		575
356	$C_4H_8O_2$	3-Methoxypropionaldehyde, 100 mm.		45	30		981
357	$C_4H_8O_2$	2-Methyl-1,3-dioxolane	82.5	75	8		215
358	$C_4H_8O_2$	Methyl propionate	79.7	71.0	8.2		227
		" "	79.85	71.4	3.9		531
359	$C_4H_8O_2$	Propyl formate	80.9	71.6	2.3		359, 531,804
360	$C_4H_8O_2$	2-Vinyloxyethanol	143	98	65		263
361	$C_4H_8O_3$	Methyl lactate	144.8	99	80		852
361a	C_4H_9Br	1-Bromo-2-methylpropane	91.4	75.3	7.3		498i
362	C_4H_9Cl	1-Chlorobutane	77.9	68.1	6.6		215
363	C_4H_9Cl	1-Chloro-2-methylpropane	68.8	61.6	3.3		215
364	C_4H_9ClO	1-Chloro-2-methyl-2-propanol	126.7	93-94	34		105
365	C_4H_9I	1-Iodo-2-methylpropane	122.5	95-96	21 vol.%		754
366	C_4H_9N	Methallylamine	78.7	78.4	4.1		878
367	C_4H_9NO	Morpholine	128.3	Nonazeotrope			981
368	$C_4H_9NO_2$	Butyl nitrite	78.2	70.0	~7		575
369	$C_4H_9NO_2$	Isobutyl nitrite	67.1	63.2	8		575
370	$C_4H_9NO_2$	*N*-(2-Hydroxyethyl) acetamide		Nonazeotrope			981
371	$C_4H_9NO_3$	Isobutyl nitrate	122.9	88.5	28		559
371a	C_4H_{10}	Butane crit. region				v-l	190c
372	$C_4H_{10}O$	Butyl alcohol	117.4	92.7	42.5	v-l	943,452c 128,535, 755,497, 877,896, 943
		"		Evaporation behavior			577
		" 250-2500 mm.				v-l	719
		" 30 mm.	48	28	52.4		982
		" 685 mm.		88.7	43.5	v-1	992
		"	118	92.6	42.2	v-l	380
		" 1485 mm.	139	111.2	42.2	v-l	380
		" 3690 mm.	171.2	141.8	41.8	v-l	380
		" 5900 mm.	191.8	158.8	41.8	v-l	380
		" 8110 mm.	206.1	172.3	38.6	v-l	380

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**H_2O**	**Water** *(continued)*	**100**				
		Butyl alcohol 100 mm.		48	49.8		266
		" 270 mm.		70	46.6		266
		" 755 mm.		92.4	42.8		266
373	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	87.0	26.8	v-l	1039
		"		Evaporation behavior			577
		"	99.5	88.5	32		981
		" 20 mm.	27.3	16.0	32.2		413
		"	99.5	87.35	28.4		14
		" 600 mm.		81.50	28.8		14
		" 400 mm.		72.07	29.3		14
		" 200 mm.		56.95	29.5		14
		" 60-80°C.				v-l	14
		"	99.4	87.5	27.3		164,877
		"		87.5	26	v-l	109
374	$C_4H_{10}O$	*tert*-Butyl alcohol 100 mm.			9.4	v-l	771c
		"	82.5	79.9	11.76		877,1046
		" 8120 mm.				v-l	771c
		"		79.85	14.0		581c
		"	82.9			v-l	937c
375	$C_4H_{10}O$	Ethyl ether	34.5	34.15	1.26		877
		" 11 atm		114	4.5		775
		" 20 p.s.i.g.	62	60	2.0		981
376	$C_4H_{10}O$	Isobutyl alcohol, 745 mm.				v-l	982
		"	107.0	89.8	33.0	v-l	483,776, 921,1046
		100-130°C.		Effect of pressure			117
377	$C_4H_{10}O$	Methyl propyl ether	38.9	~ 38.7	~ 2		563
378	$C_4H_{10}O_2$	*l*-2,3-Butanediol, 14-75 p.s.i.g.		Nonazeotrope		v-l	965
379	$C_4H_{10}O_2$	*meso*-2,3-Butanediol 200-760 mm.	183-184	Nonazeotrope		v-l	731
380	$C_4H_{10}O_2$	1,1-Dimethoxyethane	64.3	61.3	3.6		45
381	$C_4H_{10}O_2$	1,2-Dimethoxyethane	83	76	10.5		129,417
		"	35		6		23
		"	85.2		10.4		23
		"	85	77.4	10.1		215
382	$C_4H_{10}O_2$	2-Ethoxyethanol, <100 mm.		Nonazeotrope			71
		" 200 mm.		66.4	70	v-l	71
		" 400 mm.		82.4	79	v-l	71
		"	134	98.2	87	v-l	71
		" 200 mm.	96.5	66.4	85		981
		" 400 mm.	115.6	82.4	76		981
		"	135.6	99.4	71.2		981
		"	135.1	99.4	71.2		129,526
		"			70.0	v-l	34,210

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**H_2O**	**Water** *(continued)*	**100**				
383	$C_4H_{10}O_2$	Ethoxymethoxymethane	65.91	61.25	4.4		1035
384	$C_4H_{10}O_2$	1-Methoxy-2-propanol	118	96	~ 48.5		215
		" "	118	97.5	35		797
385	$C_4H_{10}O_2$	2-Methoxy-1-propanol	130	98	67		797
386	$C_4H_{10}O_3$	Diethylene glycol	245.5	Nonazeotrope			556
		" "		Nonazeotrope		v-l	183
		" " 10 mm.		Nonazeotrope		v-l	183
387	$C_4H_{11}N$	Butylamine, 575 mm.	69	69	1.3		981
		" 20 p.s.i.g.	106		6.5		981
		"	77.8	Nonazeotrope		v-l	481c
388	$C_4H_{11}N$	Diethylamine		Effect of NaOH		v-l	416
		"	55.5	Nonazeotrope		v-l	415
389	$C_4H_{11}N$	Isobutylamine	68	Nonazeotrope		v-l	787
390	$C_4H_{11}NO$	2-Dimethylamino-ethanol, 27 p.s.i.g.	174		90.2		981
		" 744 mm.	133.9	99	92.6		981
		" 540 mm.	123.4	91	95.2		981
		" 250 mm.	100.7	71	98.2		981
391	$C_4H_{11}NO$	3-Methoxypropylamine	116		~95		17
392	$C_4H_{11}NO_2$	2,2'-Iminodiethanol	268	Nonazeotrope			981
393	$C_4H_{12}N_2$	Tetramethylhydrazine	74.3	69	3		401
394	$C_5H_4O_2$	Furfural	161.7			v-l	972
		" 600 mm.		91.3	65	v-l	972
		" 300 mm.		74.1	65.5	v-l	972
		" 150 mm.		58.2	66.6	v-l	972
		" 55 mm.		40.1	68.6	v-l	972
		"	161.45	97.85	65		556
		" 100-200°F.				v-l	743
		" 1-18 atm.	161.7			v-l	648
395	C_5H_5N	Pyridine 230 mm.		62	45		215
		" 490 mm.		79	45		215
		"	115	94	43		44,553
		"	115.3	93.6	41.3		413
		" 120 mm.			46.2		322
		" 758 mm.			40.5		322
		" <760 mm.		30	40.7	v-l	412
		" <760 mm.		50	—	v-l	412
		" <760 mm.		80	40.7		412,1058
		"		Effect of dissolved salt			
						v-l	764
396	$C_5H_6N_2$	2-Methylpyrazine,	133	97	55		1036
		" 737 mm.	130	92.6	36 vol. %		789
397	C_5H_6O	2-Methylfuran	63.7	58.2	—		769
		" 740 mm.	62.7	57.3	3.4	v-l	897
398	$C_5H_6O_2$	Furfuryl alcohol	169.35	98.5	80		545
399	C_5H_7N	3-Methyl-3-butene-nitrile	137.0	93.0	43.2		981

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	H_2O	**Water** *(continued)*	**100**				
400	C_5H_7NO	Furfurylamine	144	99	74		920
400a	C_5H_8	Isoprene	34.1	32.4	0.14		581c
401	C_5H_8O	Allyl vinyl ether	67.4	60	5.4		981
402	C_5H_8O	Cyclopentanone	130.8	94.6	42.4	v-l	981
		" 740 mm.	130	92.6	36 vol. %		789
403	C_5H_8O	1-Methoxy-1,3-butadiene	90.7	76.2	12.7		981
404	C_5H_8O	3-Methyl-3-butene-2-one	97.9	81.5	18.4		981
		" 735 mm.	98.5	82	—		79
		" 100 mm.	45-46	34-35	—		79
405	C_5H_8O	2-Methyl-3-butyne-2-ol, 100 mm.		Min. b.p.			895
		"	103	90	26		172,900
		"	104.4	91.0	29	v-l	169
406	C_5H_8O	4-Pentenal	106	84.3	21		981
407	C_5H_8O	3-Penten-2-one	123.5	92	28.6		981
408	$C_5H_8O_2$	Allyl acetate	104.1	83	16.7		981
		" "	105	Azeotropic			723
409	$C_5H_8O_2$	Ethyl acrylate	100	98.3	—		804
		" "	99.5	81.1	15		807
		" 195 mm.	61	48	12		981
410	$C_5H_8O_2$	Isopropenyl acetate, 200 mm.	60.2	48	11		981
		"	97.4	79.3	13.4		981
411	$C_5H_8O_2$	Methyl methacrylate	100.8	83	14		807
		" " 200 mm.		49	11.6		1032
		" "	99.5	86-92	—		1032
412	$C_5H_8O_2$	2,3-Pentanedione	109	86	—		119
413	$C_5H_8O_2$	2,4-Pentanedione	140.6	94.4	41		981
414	$C_5H_8O_2$	Δ-Valerolactone		Nonazeotrope			981
415	$C_5H_8O_2$	Vinyl propionate	95.0	79	13		981
416	$C_5H_9ClO_2$	Propyl chloroacetate	162.3	97.1	57.5		121
416a	C_5H_9NO	*N*-Methylpyrrolidone 200 mm.				v-l	742c
		" 760 mm.				v-l	742c
417	$C_5H_{10}Cl_2O_2$	Bis(2-chloroethoxy) methane	218.1	99.4	86.8		981
418	$C_5H_{10}N_2$	3-Dimethylamino-propionitrile	174.5	99.6	84		981
419	$C_5H_{10}O$	*cis*-1-Butenyl methyl ether	72.0	64	6.1		981
420	$C_5H_{10}O$	*trans*-1-Butenyl methyl ether	76.7	67	7.2		981
421	$C_5H_{10}O$	Cyclopentanol	140.85	96.25	58		575
422	$C_5H_{10}O$	Isopropenyl ethyl ether	61.9	58	2		981

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	H_2O	**Water** *(continued)*	**100**				
423	$C_5H_{10}O$	Isopropyl vinyl ether	55.7	51.8	2.7		981
424	$C_5H_{10}O$	Isovaleraldehyde		—	17.9		665
		"	92.5	77	12		215
424a	$C_5H_{10}O$	3-Methyl-2-buten-1-ol	140	96.4	69.0		581c
424b	$C_5H_{10}O$	3-Methyl-3-buten-1-ol	130.0	95.0	57.9		581c
424c	$C_5H_{10}O$	2-Methyl-3-buten-2-ol	97.0	86.5	23.5		581c
425	$C_5H_{10}O$	2-Methyltetrahydrofuran	77	Min. b.p.			350
426	$C_5H_{10}O$	3-Methyl-2-butanone	94	~ 79	~13		563
427	$C_5H_{10}O$	2-Pentanone	102.3	83.3	19.5		552,877
428	$C_5H_{10}O$	3-Pentanone	102.05	82.9	14		552
		"		82.9	18.8		497
429	$C_5H_{10}O$	Propyl vinyl ether	65.1	59	5		981
430	$C_5H_{10}O$	Tetrahydropyran	88	71	8.5		223
		"		Min. b.p.			81
431	$C_5H_{10}O$	Valeraldehyde	103.3	83	19		981
432	$C_5H_{10}O$	Valeraldehydes (isomers)	98.6	80	17		981
433	$C_5H_{10}O_2$	Butyl formate	106.6	83.8	16.5		359,538 498c
434	$C_5H_{10}O_2$	4,5-Dimethyl-1,3-dioxolane		Min. b.p.			860
435	$C_5H_{10}O_2$	3-Ethoxy-1,2-epoxypropane	124-126	90-91			265
436	$C_5H_{10}O_2$	Ethyl propionate	99.15	81.2	10		531,804
		" 350 mm.	76.0	61	13.3		981
437	$C_5H_{10}O_2$	3-Hydroxy-3-methyl-2-butanone	141.0	98.6	61.0	v-l	169
438	$C_5H_{10}O_2$	Isobutyl formate	98.3	79.5	18.9		359,1034
		"	98.3	79.6	12.4		498i
439	$C_5H_{10}O_2$	Isopropyl acetate	88.6	76.6	10.6		531,877
		"		76.6	10.4		497
440	$C_5H_{10}O_2$	Isovaleric acid	176.5	99.5	81.6		563
441	$C_5H_{10}O_2$	3-Methoxybutyraldehyde,					
		" 100 mm.		50	37		981
		" 200 mm.		64	37		981
		"	131	>92	35		981
442	$C_5H_{10}O_2$	Methyl butyrate	102.65	82.7	11.5		531
443	$C_5H_{10}O_2$	Methyl isobutyrate	92.3	77.7	6.8		531
444	$C_5H_{10}O_2$	Propyl acetate	101.6	82.4	14		333,359
		" 200-700 mm.				v-l	891
445	$C_5H_{10}O_2$	Tetrahydrofurfuryl alcohol				v-l	197
446	$C_5H_{10}O_2$	Valeric acid	185.5	99.8	89		981
447	$C_5H_{10}O_2$	Valeric acid (isomers)	183.2	99.6	85		981
448	$C_5H_{10}O_2$	1-Vinyloxy-2-propanol		~100	75		263
449	$C_5H_{10}O_2$	3-Vinyloxy-1-propanol		~100	75		263
450	$C_5H_{10}O_3$	β-Ethoxypropionic acid	219.2	Nonazeotrope			981
451	$C_5H_{10}O_3$	γ-Methoxybutyric acid		Nonazeotrope			981

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	H_2O	**Water** *(continued)*	**100**				
452	$C_5H_{10}O_3$	Ethyl carbonate	126.5	91	30		575
453	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	97.0	51.5		526
		" 45 mm.			58	v-l	920c
454	$C_5H_{10}O_3$	Methoxymethyl propionate		95	56		981
455	$C_5H_{10}O_3$	Methyl β-methoxypropionate, 100 mm.	84	Azeotropic			87
456	$C_5H_{11}Cl$	1-Chloropentane	108.35	82			409,723
457	$C_5H_{11}N$	Piperidine	105.8	92.8	35		914
458	$C_5H_{11}NO$	4-Methylmorpholine	115.6	94.2	24		981
459	$C_5H_{11}NO$	Tetrahydrofurfurylamine	153	Nonazeotrope			920
460	$C_5H_{11}NO_2$	Isoamyl nitrite	97.15	<80.6	<15		575
461	$C_5H_{11}NO_3$	Isoamyl nitrate	149.75	95.0	40		560
462	C_5H_{12}	Pentane	36.1	34.6	1.4		981
463	$C_5H_{12}N_2$	1-Methylpiperazine	138.0	Nonazeotrope			981
464	$C_5H_{12}O$	*n*-Amyl alcohol	137.8	95.8	54.4		324,359, 545,633, 755
465	$C_5H_{12}O$	*tert*-Amyl alcohol	102.25	87.35	27.5		545
466	$C_5H_{12}O$	*tert*-Butyl methyl ether	55	52.6	4		256
		"	55.0	52.1	2.1		581c
467	$C_5H_{12}O$	Ethyl propyl ether	63.6	59.5	4		538
468	$C_5H_{12}O$	Isoamyl alcohol	132.05	95.15	49.60		760,1046
469	$C_5H_{12}O$	3-Methyl-2-butanol	112.9	91.0	33		576
470	$C_5H_{12}O$	2-Pentanol	119.3	91.7	36.5		545,877
471	$C_5H_{12}O$	3-Pentanol	115.4	91.7	36.0		545
472	$C_5H_{12}O_2$	1,1-Diethoxymethane	87.5	75.2	10		324,668 970
473	$C_5H_{12}O_2$	1,2-Dimethoxypropane	92-93	80			417
		"	92	80	11		981
474	$C_5H_{12}O_2$	1-Ethoxy-2-propanol	132.2	97.3	50.1		981
475	$C_5H_{12}O_2$	3-Methoxy-1-butanol	161.1	98.5	80		981
475a	$C_5H_{12}O_2$	3-Methyl-1,3-butanediol	203	Nonazeotrope			581c
476	$C_5H_{12}O_2$	1,5-Pentanediol	242.5	Nonazeotrope			981
477	$C_5H_{12}O_2$	2-Propoxyethanol	151.5	98.8	70		981
		"	151.35	98.75	72		556
478	$C_5H_{12}O_3$	2-(2-Methoxyethoxy)ethanol	192.95	Nonazeotrope			556
479	$C_5H_{12}O_3$	1,1,2-Trimethoxyethane	126	93	30		346
480	$C_5H_{13}N$	*N*-Methylbutylamine	91.1	82.7	15		981
481	$C_5H_{13}NO$	1-Ethylamino-2-propanol	159.4	Nonazeotrope			981
482	$C_5H_{13}NO$	3-Ethoxypropylamine			80		17
483	$C_5H_{14}N_2$	*N,N*-Dimethyl-1,3-propanediamine	134.9	Nonazeotrope			981
484	C_6H_5Cl	Chlorobenzene	131.8	90.2	28.4		762
484a	C_6H_5ClO	*o*-Chlorophenol					
		120 mm.		54	72		215
		" 750 mm.		97.5	67		215
485	$C_6H_5NO_2$	Nitrobenzene	210.85	98.6	88 vol.%		689

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	H_2O	Water *(continued)*	100				
486	C_6H_6	Benzene 25–400 p.s.i.a				v-l	103c
		"	80.2	69.25	8.83		689,877, 1043
		" 537.0 mm.		60	8.35		979
		" 295.0 mm.		45	6.36		979
		" 150.5 mm.		30	5.98		979
		"		69.25	8.95		497
		"		69.25			1042
487	C_6H_6O	Phenol <24°C		Nonazeotrope			25
		"		160	89.1		25
		"		275	94.4		25
		" 200 mm.		66.4	96.5		472
		"		15		v-l	627
		" 127 mm.		56.3	94.5		853
		" 294 mm.		75.0	92.8		853
		" 531 mm.		90.0	91.71		853
			182	99.52	90.79		762,877
488	C_6H_7N	Aniline		41	86.6	v-l	853
				56.3	84	v-l	853
		" 742 mm.		98.6	80.8	v-l	403
		" 6 atm.		155	76.6	v-l	403
		" 11 atm.		182	76.2	v-l	403
		" 16.4 atm.		200	77.4	v-l	403
		"		75	81.8	v-l	853
				90	80.5	v-l	853
489	C_6H_7N	2-Picoline	129.5	93.5	48		39,43
490	C_6H_7N	3-Picoline, 700 mm.		94.1	61.4		39,141, 175,585
		"	144.1	97	60	v-l	1063
		"		96.7			160c,585
491	C_6H_7N	4-Picoline	144.3	97.35	62.8	v-l	1063
				97.4	63.5		981
		" 700 mm.		94.6	63.5		39,141, 175,585
		"		97.4	63.5		981,160c
492	C_6H_8	1,4-Cyclohexadiene	85.6	71.3			575
493	C_6H_8	1,3-Cyclohexadiene	80.8	68.9	9		563
494	$C_6H_8N_2$	2,5-Dimethylpyrazine	154	98.5	65		1036
495	$C_6H_8N_2$	2-Ethylpyrazine		98-99	>0.18		215
496	$C_6H_8N_2$	Phenylhydrazine	243	Nonazeotrope			563
497	C_6H_8O	2,5-Dimethylfuran	93.3	77.0	11.7		981
498	C_6H_8O	2,4-Hexadienal	171	98.0	70		981
499	$C_6H_8O_2$	1,3-Butadienyl acetate	138.5	93	35.6		981
500	$C_6H_8O_2$	Vinyl crotonate	133.9	92	31		981
		"	132.7	91.0	24.2		873
501	$C_6H_8O_4$	Methyl fumarate	193.25	98.85	74.5		575
502	$C_6H_9N_3$	3,3'-Iminodipropionitrile		Nonazeotrope			981

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**H_2O**	**Water** *(continued)*	**100**				
503	C_6H_{10}	Cyclohexene	82.75	70.8	10		563
		"		70.8	8.93		497
504	C_6H_{10}	2-Ethyl-1,3-butadiene	66.9	60.2	5.3		981
505	C_6H_{10}	4-Methyl-1,3-pentadiene		67.0	7.5		849
506	$C_6H_{10}O$	Cyclohexanone, <760 mm.		90	—	v-l	334
		"	155.6	96.3	55	v-l	334
		"	155.4	95	61.6		981
507	$C_6H_{10}O$	2-Ethylcrotonaldehyde	135.3	92.7	38		981
508	$C_6H_{10}O$	2-Hexenal	149	95.1	48.6		981
509	$C_6H_{10}O$	1-Hexen-5-one	129	Min. b.p.			723
		"	128.9	92.1	35.3		981
510	$C_6H_{10}O$	Mesityl oxide	129.5	91.8	34.8		723,877
		"	128	91.3	29 vol%		724
510a	$C_6H_{10}O$	Methyldihydropyran	118.5	87.6	20.5		581c
		" <760 mm.		60	18.4	v-l	581g
511	$C_6H_{10}O$	2-Methyl-2-pentenal	138.2	93.5	40		981
512	$C_6H_{10}O_2$	Crotonyl acetate	129	Min. b.p.			723
513	$C_6H_{10}O_2$	Ethyl crotonate	137.8	93.5	38		981
513a	$C_6H_{10}O_2$	4-Vinyl-1,3-dioxane	144.9	94.5	57.5		581c
514	$C_6H_{10}O_2$	Vinyl butyrate	116.7	87.2	20.4		981
515	$C_6H_{10}O_2$	Vinyl isobutyrate	105.4	83.5	17		981
516	$C_6H_{10}O_4$	Ethylene glycol diacetate	190.8	99.7	84.6		981
517	$C_6H_{11}ClO_2$	Butyl chloroacetate	181.9	98.12	75.49		121
518	$C_6H_{11}ClO_2$	Isobutyl chloroacetate	174.4	97.8	64.18		121
519	$C_6H_{11}N$	Diallylamine	110.4	87	22-23		878
			110.5	87.2	24		981
520	$C_6H_{11}NO$	Caprolactam 30 mm.		Nonazeotrope		v-l	617c
		" 80 mm.		Nonazeotrope		v-l	617c
		" 180 mm.		Nonazeotrope		v-l	617c
		" 760 mm.		Nonazeotrope		v-l	617c,905r
		" 50-760 mm.				v-l	976
521	$C_6H_{11}NO_3$	2-Methyl-2-nitropropyl vinyl ether, 10 mm.	77-78	—	8.6		1008
522	C_6H_{12}	Cyclohexane	80.8	69.5	8.4		413
		"	80.75	68.95	9		563
		" 25–400 p.s.i.a.				v-l	103c
523	C_6H_{12}	1-Hexene	63.84	57.7	5.7		806
524	C_6H_{12}	4-Methyl-2-pentene	56.7	53.5	3.5		981
525	$C_6H_{12}Cl_2O$	Bis(chloroisopropyl) ether	187.0	98.5	62.6		981
526	$C_6H_{12}Cl_2O_2$	1,2-Bis(2-chloroethoxy)ethane	240.9	99.7	94.0		981
527	$C_6H_{12}O$	Butyl vinyl ether	94.2	77.5	11.6		981
528	$C_6H_{12}O$	Cyclohexanol, 42 mm.		35	86		1072

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	H_2O	**Water** *(continued)*	**100**				
		Cyclohexanol, 57 mm.		40	84.8		1072
		" 95 mm.		50	82.5		1072
		" 158 mm.		60	80.2		1072
		" 252 mm.		70	77.8		1072
		" 385 mm.		80	75.2		1072
		" 570 mm.		90	72.6		1072
		" 684 mm.		95	70.7		1072
		"	160.65	97.8	69.5		1072
		" <760 mm.		90	74	v-l	335
		"	160.65	~ 97.8	~80		563
529	$C_6H_{12}O$	2,2-Dimethyltetrahydrofuran	90	Min. b.p.			350
530	$C_6H_{12}O$	2,5-Dimethyltetrahydrofuran	90	78	13		172
531	$C_6H_{12}O$	2-Ethylbutyraldehyde	116.7	87.5	23.7		981
532	$C_6H_{12}O$	Hexaldehyde	128.3	91.0	31.3		981
533	$C_6H_{12}O$	2-Hexanone	127	90.5	26 vol.%		552,723, 724,877
534	$C_6H_{12}O$	3-Hexanone	124	Min. b.p.			723
535	$C_6H_{12}O$	Isobutyl vinyl ether	83.4	70.5	7.8		981
536	$C_6H_{12}O$	2-Methylpentanal	118.3	88.5	23		981
537	$C_6H_{12}O$	4-Methyl-2-pentanone	115.9	87.9	24.3		877
538	$C_6H_{12}O$	2-Methyl-2-pentene-4-ol		94.6	40.8		849
539	$C_6H_{12}O$	Pinacolone	106	~ 85	~14.5		563
540	$C_6H_{12}OS$	2-Ethylthioethyl vinyl ether	169.7	97.8	61		981
541	$C_6H_{12}O_2$	Amyl formate	132	91.6	28.4		359,723
542	$C_6H_{12}O_2$	Butyl acetate	126.2	90.2	28.7		359,723,877
543	$C_6H_{12}O_2$	*sec*-Butyl acetate	112.4	87	22.5		723,877
543a	$C_6H_{12}O_2$	4,4-Dimethyl-1,3-dioxane	133.4	92.8	35		581c
		" <760 mm.		60	28.2	v-l	581g
544	$C_6H_{12}O_2$	Ethyl butyrate	120.1	87.9	21.5		531
545	$C_6H_{12}O_2$	2-Ethylbutyric acid	194.2	99.7	87		981
546	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	85.2	15.2		531
547	$C_6H_{12}O_2$	2-Ethyl-2-methyl-1,3-dioxolane	117.6	88.5	20		981
548	$C_6H_{12}O_2$	Hexanoic acid	205.7	99.8	92.1		981
549	$C_6H_{12}O_2$	4-Hydroxy-4-methyl-2-pentanone 50 mm.		Nonazeotrope		v-l	352
		" 100 mm.		Nonazeotrope		v-l	352
		" 200 mm.	123.5	66.4	97	v-l	352
		" 400 mm.	143	82.6	90	v-l	352
		" 760 mm.	161	99.5	85	v-l	352
		"	169.2	99.6	87		982
		"	166	98.8	87.3		128,877
550	$C_6H_{12}O_2$	Isoamyl formate	124.2	90.2	21		359,531,723
551	$C_6H_{12}O_2$	Isobutyl acetate	117.2	87.4	16.5		359,498c, 531,723
552	$C_6H_{12}O_2$	Isopropyl propionate	110.3	85.2	19.9		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	H_2O	**Water** *(continued)*	**100**				
552a	$C_6H_{12}O_2$	4-Methyl-4-hydroxy-tetrahydropyran	188	Nonazeotrope			581c
553	$C_6H_{12}O_2$	Methyl isovalerate	116.3	87.2	19.2		531
554	$C_6H_{12}O_2$	2-Methylpentanoic acid	196.4	99.4	87.9		981
555	$C_6H_{12}O_2$	Propyl propionate	122.1	88.9	23		531,723
556	$C_6H_{12}O_2$	4-Vinyloxy-1-butanol		Min. b.p.			263
557	$C_6H_{12}O_2$	Tetrahydropyran-2-methanol	187.2	Nonazeotrope			981
558	$C_6H_{12}O_3$	2,2-Dimethoxy-3-butanone	145	94			119
559	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	97.4	45		526
		" "	156.2	97.5	55.6		981
560	$C_6H_{12}O_3$	Methyl 3-ethoxy-propionate, 50 mm.		37	50		981
561	$C_6H_{12}O_3$	Paraldehyde	124	90	28.5		563,975
562	$C_6H_{12}O_3$	Trioxane	114.5	91.4	30		1003
563	$C_6H_{12}O_3$	2-(2-Vinyloxyethoxy) ethanol		~ 100	97-8		263
		"	207.6	Nonazeotrope			981
564	$C_6H_{13}Cl$	1-Chlorohexane	134.5	91.8	29.7		981
565	$C_6H_{13}N$	Cyclohexylamine,					
		" 40 mm.	51.4	31.7	69.0		139
		" 70 mm.		41.9	66.0		139
		" 100 mm.	72	49.0	64.1		139
		" 200 mm.	90.9	63.6	60.7		139
		" 300 mm.	102.5	72.7	59.1		139
		" 500 mm.	118.9	85.3	57.0		139
		" 760 mm.	134.5	96.4	55.8		139
		"				v-l	718c
566	$C_6H_{13}N$	Hexamethyleneimine	138	95.5	49.5		222,224
		"	134.5	96.5	55.78		413
567	$C_6H_{13}NO$	2,6-Dimethyl-morpholine	146.6	99.6	70		981
568	$C_6H_{13}NO$	4-Ethylmorpholine	138.3	96.7	46.2		981
569	$C_6H_{13}NO_2$	4-Morpholineethanol	225.5	Nonazeotrope			981
570	C_6H_{14}	Hexane	68.7	61.6	5.6		563,981
		" 25–400 p.s.i.a				v-l	103c
		"		61.5	5.4		623c
571	$C_6H_{14}N_2$	2,5-Dimethylpiperazine	164	Nonazeotrope			981
572	$C_6H_{14}N_2O$	4-(2-Aminoethyl) morpholine	204.7	Nonazeotrope			981
573	$C_6H_{14}N_2O$	1-Piperazineethanol	246.3	Nonazeotrope			981
574	$C_6H_{14}O$	*tert*-Amyl methyl ether	86	73.8	9		256
575	$C_6H_{14}O$	Butyl ethyl ether	92.2	76.6	11.9		981
		" " "		76.7	10.8		497
576	$C_6H_{14}O$	*tert*-Butyl ethyl ether	73	65.2	6		256
577	$C_6H_{14}O$	2-Ethyl-1-butanol	148.9	96.7	58.7		128
		" "	147.0	96.7	58		982

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	H_2O	**Water** *(continued)*	**100**				
578	$C_6H_{14}O$	Hexyl alcohol	157.1	97.8	67.2		982
		" "	157.85	97.8	75		545
579	$C_6H_{14}O$	Isopropyl ether	69	62.2	4.5		196,877
		"				v-l	1042g
		" 131 mm.	22.47	20.0	2.6		981
		" 297 mm.	41.82	38.0	3.4		981
		" 481 mm.	54.75	50.0	4.0		981
		" 1520 mm.	92	88	7.6		981
580	$C_6H_{14}O$	2-Methyl-1-pentanol	148	97.2	60		981
581	$C_6H_{14}O$	4-Methyl-2-pentanol	131.8	94.3	43.3		981
582	$C_6H_{14}O$	Propyl ether	90.7	75.4			760
583	$C_6H_{14}O_2$	Acetal	103.6	82.6	14.5		45,563
584	$C_6H_{14}O_2$	2-Butoxyethanol	171.2	98.8	79.2		129,527
585	$C_6H_{14}O_2$	1,2-Diethoxyethane	123	89.4	25		129,563
586	$C_6H_{14}O_2$	1,3-Dimethoxybutane	120.3	89.6	30		981
587	$C_6H_{14}O_2$	1,1-Dimethoxy-2-methylpropane	104.7	83.9	14.3		981
588	$C_6H_{14}O_2$	Ethoxypropoxymethane	113.7	85.90	18.4		1035
589	$C_6H_{14}O_2$	2-Methyl-1,5-pentanediol	242.4	Nonazeotrope			981
590	$C_6H_{14}O_2$	3-Methyl-1,5-pentanediol	248.4	Nonazeotrope			981
591	$C_6H_{14}O_2$	Pinacol	174.35	Nonazeotrope			526
592	$C_6H_{14}O_3$	Bis(2-methoxyethyl) ether, 100 mm.	103		89.5		23
		" 760 mm.	162		80.2		23
		" 800 mm.	164		80		23
		" 760 mm.	164	99.55	78	v-l	215
593	$C_6H_{14}O_3$	2-(2-Ethoxyethoxy) ethanol	202.8	Nonazeotrope			981
593a	$C_6H_{14}O_3$	3-Methyl-1,3,5-pentanetriol	295	Nonazeotrope			581c
594	$C_6H_{14}O_4$	Triethylene glycol	288.7	Nonazeotrope			526
595	$C_6H_{15}N$	Diisopropylamine					
		38.8 mm.		10	2.4	v-l	194c
		" 51.2 mm.		15	2.9	v-l	194c
		" 67.2 mm.		20	3.8	v-l	194c
		" 86.8 mm.		25	4.3	v-l	194c
		" 112.2 mm.		30	4.3	v-l	194c
		" 180.8 mm.		39.95	5.3	v-l	194c
		"	83.86	74.1	9.2		878
		"	84.1	74.1	9		981
596	$C_6H_{15}N$	1,3-Dimethylbutylamine	108.5	89.5	28.6		981
597	$C_6H_{15}N$	3,3-Dimethyl-l-butylamine	112.8	92.9			406
598	$C_6H_{15}N$	Dipropylamine					
		15.4 mm.		10	16.2	v-l	194c
		" 30.0 mm.		20	19.1	v-l	194c
		" 55.5 mm.		30		v-l	194c

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No.	B-Component Formula	B-Component Name	B-Component B.P., °C	Azeotropic Data B.P., °C	Azeotropic Data Wt.%A		Azeotropic Data Ref.
A =	H_2O	**Water** *(continued)*	**100**				
		Dipropylamine					
		97.0 mm.		39.95		v-l	194c
		"	109	86.7			144
599	$C_6H_{15}N$	*N*-Ethylbutylamine	111.2	87.5	43.6		981
		" 13.95 mm.		10	~16	v-l	194f
		" 27.1 mm.		20	~20	v-l	194f
		" 50.3 mm.		30	~30	v-l	194f
		" 88.75 mm.		40	~50	v-l	194f
599a	$C_6H_{15}N$	*N*-Ethyl-*sec*-butylamine					
		22 mm.		10	~5	v-l	194f
		" 30 mm.		15	~6	v-l	194f
		" 40 mm.		20	~7.1	v-l	194f
		" 54 mm.		25	~8	v-l	194f
		" 72 mm.		30	~9	v-l	194f
		" 122 mm.		40	~10	v-l	194f
600	$C_6H_{15}N$	Hexylamine	132.7	95.5	49		981
601	$C_6H_{15}N$	Triethylamine					
		75°–100°C.				v-l	156c
		"	89.4			v-l	156c,923
		"	89.4	75	10		977
602	$C_6H_{15}NO$	2-Butylaminoethanol	199.3	Nonazeotrope			981
603	$C_6H_{15}NO$	2-Diethylaminoethanol	162.1	98.9	74.4		981
		"	162	Azeotropic			22
604	$C_6H_{15}NO$	1-Isopropylamino-2-propanol	164.5	99.8	86		981
605	$C_6H_{15}NO$	3-Isopropoxypropylamine	147		67		17
606	$C_6H_{15}N_3$	4-(2-Aminoethyl) piperazine	222.0	Nonazeotrope			981
607	$C_6H_{16}N_2$	*N,N*-Diethylethylene-diamine	144.9	99.8	79.5		981
608	$C_6H_{16}N_2$	*N,N,N',N'*-Tetra-methylethylene-diamine	119-22	95.6	30		816
609	C_7H_7Cl	*p*-Chlorotoluene	163.5	95			101
610	C_7H_8	Toluene	110.7	84.1	13.5		563,689,877
		"	110.6	84.6	18		935
				Evaporation behavior			
		"	110.7				577
		"	110.6	85	20.2		981
611	C_7H_8O	Anisole	153.85	95.5	40.5		531
612	C_7H_8O	Benzyl alcohol	205.2	99.9	91		535
		"	204.7			v-l	935
613	$C_7H_8O_2$	Guaiacol	205.0	99.5	87.5		266
614	$C_7H_8O_2$	*m*-Methoxyphenol	244.7	99.25	80		575
615	$C_7H_9ClO_4$	2-Chloroallylidene diacetate	212.1	99.7	85		981
616	C_7H_9N	2,6-Lutidine	142	96.02	51.8	v-l	1063
		" 700 mm.		93.3	51.5		39,141,175,585

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	H_2O	**Water** *(continued)*	**100**			
617	C_7H_9N	*o*-Toluidine	199.7		15.4	413
618	C_7H_9N	*p*-Toluidine	200.4		13.8	413
619	C_7H_9N	Tetrahydrobenzonitrile	195.1	98.8	78.3	981
620	$C_7H_{10}O$	1,2,3,6-Tetrahydrobenzaldehyde	164.2	96.9	60	981
621	$C_7H_{10}O_4$	Allylidene diacetate		98.7	71	981
622	C_7H_{12}	2,4-Dimethyl-1,3-pentadiene, 750.6 mm.	93.3	76.8	13	981
623	$C_7H_{12}O$	3-Hepten-2-one	162.9	96	55.7	981
624	$C_7H_{12}O_2$	Butyl acrylate	147	94.5	40	215
		" "		94.3	38	981
		" 100 mm.		47.8	41	981
625	$C_7H_{12}O_2$	2-Ethoxy-3,4-dihydro-1,2-pyran	142.9	93.6	34.9	981
625a	$C_7H_{12}O_2$	4-Methyl-4-vinyl-1,3-dioxane	151	95		581c
626	$C_7H_{12}O_4$	Pimelic acid, 100 mm.	272	Nonazeotrope		981
627	$C_7H_{13}ClO_2$	Isoamyl chloroacetate	195.2	98.95	77.76	121
628	C_7H_{14}	Methylcyclohexane	101.15	81.0		275
629	C_7H_{14}	1-Heptene	93.64	77.0	14.8	806
630	$C_7H_{14}O$	Butyl isopropenyl ether	114.8	86.3	18.8	981
631	$C_7H_{14}O$	2-Heptanone	149	95	48	724,725
632	$C_7H_{14}O$	3-Heptanone	147.6	94.6	42.2	981
633	$C_7H_{14}O$	4-Heptanone	143.7	94.3	40.5	981
		"	143	94		723,724
634	$C_7H_{14}O$	2-Methylcyclohexanol	168.8	98.4	80	576
635	$C_7H_{14}O$	5-Methyl-2-hexanone	144	94.7	44	981
		"		93.0	75	227
636	$C_7H_{14}O_2$	Amyl acetate (isomers)	146	94	36.2	981
637	$C_7H_{14}O_2$	Amyl acetate	148.8	95.2	41	359,723,725
638	$C_7H_{14}O_2$	*sec*-Amyl acetate	133.5	92.0	33.2	877
639	$C_7H_{14}O_2$	Butyl propionate	146.8	94.8	41	575
		" "	137	Min. b.p.		723
640	$C_7H_{14}O_2$	Enanthic acid	222.0	Heteroazeotrope		575
641	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	92.2	30.2	531
642	$C_7H_{14}O_2$	Ethyl valerate	145.45	94.5	40	575
643	$C_7H_{14}O_2$	Isoamyl acetate	142	93.8	36.3	359,531,723
644	$C_7H_{14}O_2$	Isobutyl propionate	136.85	92.75	52.2	531
645	$C_7H_{14}O_2$	Isopropyl isobutyrate	120.8	88.4	23	575
646	$C_7H_{14}O_2$	Methyl caproate	149.8	95.3	41	575
647	$C_7H_{14}O_2$	Propyl butyrate	142.8	94.1	36.4	531,723
648	$C_7H_{14}O_2$	Propyl isobutyrate	133.9	92.15	30.8	531
649	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	97.8	60	575
650	$C_7H_{14}O_3$	2,2-Dimethoxy-3-pentanone	162.5	95.5		119

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	H_2O	Water *(continued)*	100			
651	$C_7H_{14}O_3$	Ethyl 3-ethoxypropionate	170.1	97	63	981
		" 100 mm.	107.8	50.5	71	981
651a	$C_7H_{14}O_3$	4-Hydroxyethyl-4-methyl-1,3-dioxane		Nonazeotrope		581c
651b	$C_7H_{14}O_3$	4-Hydroxy-3-methylol-4-methyltetrahydropyran		Nonazeotrope		581c
652	$C_7H_{14}O_3$	3-Methoxybutyl acetate	171.3	96.5	65.4	981
653	$C_7H_{14}O_4$	2-(2-Methoxyethoxy) ethyl acetate	208.9	Nonazeotrope		981
654	C_7H_{16}	Heptane	98.4	79.2	12.9	981
		"	98.4	80.0		575
655	$C_7H_{16}O$	Amyl ethyl ether	120	Min. b.p.		723
656	$C_7H_{16}O$	*tert*-Amyl ethyl ether	101	81.2	13	256
657	$C_7H_{16}O$	Heptyl alcohol	176.15	98.7	83	545
658	$C_7H_{16}O$	5-Methyl-2-hexanol		96.5	59.1	227
659	$C_7H_{16}O_2$	1-Butoxy-2-methoxyethane	149.9	95.6	42	981
660	$C_7H_{16}O_2$	1-Butoxy-2-propanol	170.1	98.6	72	981
661	$C_7H_{16}O_2$	Diisopropoxymethane		79-80	12	970
662	$C_7H_{16}O_2$	Dipropoxymethane	137.2	92.2	40.3	324,970
663	$C_7H_{16}O_2$	2-Ethyl-1,5-pentanediol	253.3	Nonazeotrope		981
664	$C_7H_{16}O_3$	1-(2-Ethoxyethoxy)-2-propanol	198.1	Nonazeotrope		981
665	$C_7H_{16}O_3$	2-Ethoxyethyl 2-methoxyethyl ether		99.5	82	981
666	$C_7H_{16}O_3$	2-(2-Propoxyethoxy) ethanol	215.8	Nonazeotrope		981
667	$C_7H_{17}NO$	1-Diethylamino-2-propanol	159.5	97.2	55	981
668	$C_7H_{18}N_2$	3-Diethylaminopropylamine	169.4	99.8	93	981
669	C_8H_8	Styrene	145.1	93.9	40.9	981
		"	145	93		688
670	$C_8H_8Cl_2O_2$	2-(2,4-Dichlorophenoxy)ethanol		~100	~99.6	981
671	C_8H_8O	Acetophenone	202.0	98	81.7	581c,981
672	C_8H_8O	(Epoxyethyl)benzene	194.2	99.2	77.6	981
673	$C_8H_8O_2$	Benzyl formate	202.3	99.2	80	538
674	$C_8H_8O_2$	Methyl benzoate	199.45	99.08	79.2	531
675	$C_8H_8O_2$	Phenyl acetate	195.7	98.9	75.1	531
676	C_8H_{10}	Ethylbenzene, 60 mm.	60.5	33.5	33	53,688
		"	136.2	92	33.0	981
		"		91	30.6	227
677	C_8H_{10}	*m*-Xylene	139.1	94.5	40	981
		"	139	92	35.8	689,803

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	H_2O	**Water** *(continued)*	**100**			
678	$C_8H_{10}O$	α-Methylbenzyl alcohol	203.4	99.7	89	982
679	$C_8H_{10}O$	Phenetole	170.4	97.3	59	531
680	$C_8H_{10}O_2$	Veratrole	205.5	99.0	76.5	531
681	$C_8H_{11}N$	*s*-Collidine	171	Min. b.p.		813
682	$C_8H_{11}N$	*N*-Ethylaniline	204.8	99.2	83.9	981
683	$C_8H_{11}N$	α-Methylbenzylamine	188.6	99.4	83.8	981
684	$C_8H_{11}N$	2-Methyl-5-ethyl-pyridine	178.3	98.4	72	981
685	$C_8H_{11}N$	*ar*-Methyl-1,2,3,6-tetrahydrobenzo-nitrile	205.4	99.1	82.6	981
686	$C_8H_{12}O$	2-Methyl-1,2,3,6-tetrahydrobenz-aldehyde	176.4	97.7	92.2	981
687	$C_8H_{12}O_2$	3,4-Dihydro-2,5-dimethyl-2H-pyran-2-carboxaldehyde	170.9	97.4	56	981
688	$C_8H_{12}O_4$	Diethyl fumarate	218.1	99.5	87.5	981
689	$C_8H_{12}O_4$	Ethyl maleate	223.3	99.65	88.2	575
690	C_8H_{14}	Diisobutylene	101	81	87	877
		"	102.3	82	12	981
691	$C_8H_{14}O$	Bicyclo[2.2.1]-heptane-2-methanol	203.9	99.7	91	981
692	$C_8H_{14}O$	Diisobutylene oxide		94	37	981
693	$C_8H_{14}O$	2-Ethyl-2-hexenal	176	97.6	60.9	981
694	$C_8H_{14}O$	2-Methallyl ether	134.6	92.5	31.0	879
695	$C_8H_{14}O$	2-Octenal		99.2	76.2	981
696	$C_8H_{14}O_2$	1,1-Diallyloxyethane	150.9	95.3	41	981
697	$C_8H_{14}O_2$	2-Ethyl-3-hexenoic acid	231.8	99.9	97.4	981
698	$C_8H_{14}O_2$	Vinyl 2-methyl-valerate	148.8	95	38	981
699	$C_8H_{14}O_3$	Bis(2-vinyloxyethyl) ether	198.7	99.4	82	981
700	$C_8H_{14}O_3$	Butyl acetoacetate	213.9	99.4	84.1	981
701	$C_8H_{14}O_4$	Diethyl succinate	216.2	99.9	91	981
702	$C_8H_{15}N$	2-(Aminomethyl) bicyclo[2.2.1] heptane	185.9	99	82	981
703	$C_8H_{15}N$	Dimethallylamine	149.0	94.1	40.3	878
704	C_8H_{16}	1-Octene	121.28	88.0	28.7	806
705	$C_8H_{16}O$	Allyl isoamyl ether	120	Min. b.p.		723
706	$C_8H_{16}O$	2-Ethylhexaldehyde	163.6	96.4	51.6	981
707	$C_8H_{16}O$	2,2,5,5-Tetramethyltetrahydro-furan	115	Min. b.p.		350
708	$C_8H_{16}O$	2,4,4-Trimethyl-1,2-epoxypentane	140.9	93.4	33	981

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No.	B-Component Formula	B-Component Name	B-Component B.P., °C	Azeotropic Data B.P., °C	Azeotropic Data Wt.% A	Ref.
A =	H_2O	**Water** *(continued)*	**100**			
709	$C_8H_{16}O$	2,4,4-Trimethyl-2,3-epoxypentane	127.3	91	25	981
710	$C_8H_{16}OS$	2-Butylthioethyl vinyl ether	210.5	99.3	80	981
711	$C_8H_{16}O_2$	2-Butoxyethyl vinyl ether		97.0	52.8	981
712	$C_8H_{16}O_2$	Butyl butyrate	165.7	97.2	53	538
713	$C_8H_{16}O_2$	2,3-Epoxy-2-ethylhexanol		100	99.5	981
714	$C_8H_{16}O_2$	2-Ethylbutyl acetate	162.3	97.0	52.4	981
715	$C_8H_{16}O_2$	Ethyl caproate	166.8	97.15	54	538
716	$C_8H_{16}O_2$	2-Ethylhexanoic acid	227.6	99.9	96.4	981
				99.5	97.6	227
717	$C_8H_{16}O_2$	Hexyl acetate	171.0	97.4	61	981
718	$C_8H_{16}O_2$	Isoamyl propionate	160.3	96.55	48.5	531
719	$C_8H_{16}O_2$	Isobutyl butyrate	156.8	96.3	46	531
720	$C_8H_{16}O_2$	Isobutyl isobutyrate	147.3	95.5	39.4	531
721	$C_8H_{16}O_2$	Iso-octanoic acid (isomers)	220	99.9	96	981
722	$C_8H_{16}O_2$	4-Methyl-2-pentyl acetate	146.1	94.8	36.7	981
723	$C_8H_{16}O_2$	Propyl isovalerate	155.8	96.2	45.2	531
724	$C_8H_{16}O_3$	2-Butoxyethyl acetate	192.2	98.8	71.9	981
725	$C_8H_{16}O_3$	2,2-Diethoxy-3-butanone	163.5	95-96		119
726	$C_8H_{16}O_3$	2,5-Diethoxytetrahydrofuran	173.0	98	60	981
727	$C_8H_{16}O_3$	2-Ethoxyethyl-2-vinyloxyethyl ether	194.0	99.3	82.3	981
728	$C_8H_{16}O_4$	2-(2-Ethoxyethoxy) ethyl acetate	217.4	Nonazeotrope		981
		"	218.5	99.2	76	575
729	$C_8H_{17}Cl$	1-Chloro-2-ethylhexane	173	97.3	55	981
730	$C_8H_{17}N$	*N*-Ethylcyclohexylamine	164.9	97.1	58	981
731	$C_8H_{17}N$	5-Ethyl-2-methylpiperidine	163.4	97.1	57.0	981
732	$C_8H_{17}N$	*ar*-Methylcyclohexylmethylamine		99.0	79	981
733	$C_8H_{17}NO$	4-Ethyl-2,6-dimethylmorpholine	158.1	97.5	49	981
734	C_8H_{18}	Octane	125.7	89.6	25.5	981
		"	124.75	89.4		575
734a	C_8H_{18}	Isooctane	118	78.8	11.1	498i
735	$C_8H_{18}O$	Butyl ether	142.6	92.9	33	723,725,760
736	$C_8H_{18}O$	*sec*-Butyl ether	121	Min. b.p.		723

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	H_2O	Water *(continued)*	**100**			
737	$C_8H_{18}O$	2-Ethylhexanol	183.5	99.1	80	128
738	$C_8H_{18}O$	Ethyl hexyl ether	143-144	92.9	29 vol.%	724
739	$C_8H_{18}O$	Isobutyl ether	122.2	88.6	23	538,723
740	$C_8H_{18}O$	Iso-octyl alcohol (isomers)	186.5	99.8	82	981
741	$C_8H_{18}O$	Octyl alcohol	195.15	99.4	90	550
742	$C_8H_{18}O$	*sec*-Octyl alcohol	178.7	98	73	563
743	$C_8H_{18}O_2$	Acetaldehyde dipropyl acetal	147.7	94.7	36.6	45
744	$C_8H_{18}O_2$	2-Ethyl-1,3-hexanediol	243.1	Nonazeotrope		981
745	$C_8H_{18}O_2$	1-Butoxy-2-ethoxy-ethane	164.2	96.8	50	981
746	$C_8H_{18}O_2$	1,1-Diethoxybutane	146.3	94.2	34.5	981
747	$C_8H_{18}O_2$	5-Ethoxy-3-methyl-pentanol	211.7	99.9	97	981
748	$C_8H_{18}O_2$	2-Ethyl-3-methyl-1,5-pentanediol	265.5	Nonazeotrope		981
749	$C_8H_{18}O_2$	2-Hexyloxyethanol	208.1	99.7	91	981
750	$C_8H_{18}O_2$	2-(2-Methylpentyloxy) ethanol	197.1	99.6	86	981
751	$C_8H_{18}O_3$	2-(2-Butoxyethoxy) ethanol	230.6	Nonazeotrope		981
752	$C_8H_{18}O_3$	Bis(2-ethoxyethyl) ether	188.4	99.4	69	981
		"		98.4	78.5	129
753	$C_8H_{18}O_4$	1,2-Bis(2-methoxy-ethoxy)ethane		Nonazeotrope		23
754	$C_8H_{19}N$	Dibutylamine	159.6	97	50.5	475,981
		"		96.9	51.7 v-l	481c
755	$C_8H_{19}N$	2-Ethylhexylamine	169.1	98.2	64	981
756	$C_8H_{19}N$	1,1,3,3-Tetramethylbutylamine	140	86	35	817
757	$C_8H_{19}NO$	2-Diisopropylamino-ethanol	190.9	99.2	85	981
758	$C_8H_{19}NO_2$	2,2'-Butyliminodi-ethanol		Nonazeotrope		981
759	$C_8H_{19}NO_2$	1,1'-Ethyliminodi-2-propanol	238.9	Nonazeotrope		981
760	C_9H_7N	Quinoline	237.3		96.6 v-l	603
		" Azeo. composition independent of press.				603
761	$C_9H_8O_2$	Vinyl benzoate		99.3	82.6	981
762	$C_9H_{10}O_2$	Benzyl acetate	214.9	99.60	87.5	531
763	$C_9H_{10}O_2$	1,2-Epoxy-3-phenoxypropane	244.4	99.8	96.1	981
764	$C_9H_{10}O_2$	Ethyl benzoate	212.4	99.40	84.0	531,689
765	$C_9H_{10}O_2$	Methyl α-toluate	215.3	99.6	88	575

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	H_2O	**Water** *(continued)*	**100**			
766	$C_9H_{11}N$	5-Ethyl-2-vinyl-pyridine		99.4	85	981
767	C_9H_{12}	Cumene	152.4	95	43.8	981
768	C_9H_{12}	Mesitylene	164.6	96.5		575
768a	$C_9H_{12}O$	α,α-Dimethylbenzyl alcohol		98.1	82	581c
769	$C_9H_{12}O$	Phenyl propyl ether	190.2	98.5	66	538
770	$C_9H_{12}O_2$	Bicyclo[2.2.1]hept-5-ene-2-ol acetate	188.6	98.6	70	981
771	$C_9H_{13}NO$	5-Ethyl-2-pyridine-ethanol		Nonazeotrope		981
772	$C_9H_{14}O$	Isophorone	215.2	99.5	83.9	981
		" 25 p.s.i.g.	251	130	86.5	981
773	$C_9H_{15}O$	1-Methyl-2,5-endomethylene-cyclohexane-1-methanol	211.1	99.7	90.6	981
774	$C_9H_{15}N$	Triallylamine	151.1	95	38	981
775	$C_9H_{16}O$	5-Ethyl-3-hepten-2-one	193.5	98.7	73.4	981
776	$C_9H_{16}O_4$	Dimethyl pimelate	248.9	99.9	96.8	981
777	C_9H_{18}	1-Nonene	146.87	94.5	46.3	806
778	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	169.4	97.0	51.9	981
779	$C_9H_{18}O_2$	Butyl isovalerate	177.6	98.0	63	575
780	$C_9H_{18}O_2$	Ethyl enanthate	188.7	98.5	72	575
781	$C_9H_{18}O_2$	2-Heptyl acetate	176.4	97.8	58.9	981
782	$C_9H_{18}O_2$	3-Heptyl acetate	173.8	97.5	57.6	981
783	$C_9H_{18}O_2$	Isoamyl butyrate	178.5	98.05	63.5	531
784	$C_9H_{18}O_2$	Isoamyl isobutyrate	168.9	97.35	56.0	531
785	$C_9H_{18}O_2$	Isobutyl isovalerate	168.7	97.4	55.8	531
786	$C_9H_{18}O_2$	Methyl caprylate	192.9	98.8	74	575
787	$C_9H_{18}O_3$	β-(2-Ethylbutoxy) propionic acid		100	> 99	981
788	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	98.6	74	575
789	C_9H_{20}	Nonane	150.7	94.8	82	968
		"	150.8	95	39.8	981
		"	150.8	94.6	53.2	806
790	$C_9H_{20}O$	2,6-Dimethyl-4-heptanol	178.1	98.5	70.4	982
791	$C_9H_{20}O_2$	Dibutoxy methane	181.8	98.2	62	324
792	$C_9H_{20}O_2$	Diisobutoxymethane	163.8	97.2	47.5	324,970
793	$C_9H_{20}O_2$	2-Ethyl-2-butyl-1,3-propanediol		Nonazeotrope		981
794	$C_9H_{20}O_3$	1-(2-Butoxyethoxy)-2-propanol	230.3	99.9	95	981
795	$C_9H_{20}O_3$	2-Methoxymethyl-2,4-dimethyl-1,5-pentanediol		Nonazeotrope		981

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No.	Formula	B-Component Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	H_2O	**Water** *(continued)*	**100**				
796	$C_9H_{20}O_3$	1,1,3-Triethoxypropane		99	70		981
797	$C_9H_{21}N$	*N*-Methyldibutylamine	163.1	96.5	48.0		981
798	$C_9H_{21}N$	Tripropylamine	156	94.3			144
799	$C_9H_{21}NO_2$	1,1'-Isopropyliminodi-2-propanol	248.6	Nonazeotrope			981
800	$C_9H_{21}NO_4$	2-(2-[2-(3-Aminopropoxy)ethoxy]ethoxy)ethanol		Nonazeotrope			981
801	$C_{10}H_8$	Naphthalene	218	98.8	84		689
802	$C_{10}H_{10}O_2$	Isosafrole	252.0	99.8	96.0		538
803	$C_{10}H_{10}O_2$	Methyl cinnamate	261.9	99.9	95.5		538
804	$C_{10}H_{10}O_2$	Safrol	235.9	99.72	92.3		531
805	$C_{10}H_{10}O_4$	Methyl phthalate	283.2	99.95	97.5		575
		" "	282.9	100	98.9		981
806	$C_{10}H_{12}$	1,2,3,4-Terahydronaphthalene		99.1	80		266
807	$C_{10}H_{12}O$	Anethole	235.7	99.7	92		575
808	$C_{10}H_{12}O$	Estragole	215.6	99.3	82		538
809	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.75	99.73	91.3		531
810	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	99.70	90.9		531
811	$C_{10}H_{12}O_3$	2-Phenoxyethyl acetate	260.6	99.9	97.4		981
812	$C_{10}H_{14}$	Dicyclopentadiene	172	98	67.7		981
813	$C_{10}H_{14}N_2$	Nicotine, 110 mm.		Nonazeotrope		v-l	284
		" 478 mm.			99.70	v-l	284
		" 572 mm.			99.02	v-l	284
		" 624 mm.			98.50	v-l	284
		" 760 mm.		99.85	97.48	v-l	284
		"		99.988	2.5		894
814	$C_{10}H_{14}O_2$	*m*-Diethoxybenzene	235.0	99.7	91		538
815	$C_{10}H_{14}O_2$	Ethyl bicyclo[2.2.1]hept-5-ene-2-carboxylate	198	99.2	80		981
816	$C_{10}H_{14}O_3$	2-(2-Phenoxyethoxy)ethanol	297.9	Nonazeotrope			981
817	$C_{10}H_{15}N$	*N*-Butylaniline	240.4	99.8	94.4		981
818	$C_{10}H_{15}N$	*N*-Ethyl-α-ethylbenzylamine	201.2	99.2	80		981
819	$C_{10}H_{15}N$	*N*,*N*,α-Trimethylbenzylamine	195.8	98.6	74.8		981
820	$C_{10}H_{15}NO$	2-(α-Mehylbenzylamino)ethanol		Nonazeotrope			981
821	$C_{10}H_{16}$	Camphene	159.6	96.0			575
822	$C_{10}H_{16}O$	Dicyclopentenol		100	96.6		981
823	$C_{10}H_{16}O$	Trimethyltetrahydrobenzaldehyde	204.5	99.0	77.0		981

No.	B-Component Formula	B-Component Name	B-Component B.P., °C	Azeotropic Data B.P., °C	Azeotropic Data Wt.% A	Ref.
A =	H_2O	**Water** *(continued)*	**100**			
824	$C_{10}H_{16}O_4$	Diisopropyl maleate	228.7	99.9	93	981
825	$C_{10}H_{18}O$	Cineol	176.35	99.55	57.0	531
826	$C_{10}H_{18}O$	Linalool	199	~99.7		563
827	$C_{10}H_{18}O_2$	Vinyl 2-ethylhexanoate	185.2	98.6	68	981
828	$C_{10}H_{18}O_2$	Vinyl octanoate (isomers)		99.1	74	981
829	$C_{10}H_{20}$	1-Decene	170.57	96.7	64.2	806
830	$C_{10}H_{20}O$	2-Ethylhexyl vinyl ether	177.7	97.8	59.1	981
831	$C_{10}H_{20}O_2$	2-Ethylbutyl butyrate	199.6	98.6	74.9	981
832	$C_{10}H_{20}O_2$	2-Ethylhexyl acetate	198.4	99.0	73.5	981
833	$C_{10}H_{20}O_2$	Ethyl caprylate	208.35	99.25	82	575
834	$C_{10}H_{20}O_2$	Isoamyl isovalerate	193.5	98.8	74.1	531
835	$C_{10}H_{20}O_2$	4-Methyl-2-pentyl butyrate	182.6	98.2	60.8	981
836	$C_{10}H_{20}O_2$	Methyl pelargonate	213.8	99.45	85	575
837	$C_{10}H_{20}O_3$	2-Butoxyethyl 2-vinyloxyethyl ether	226.7	99.8	90	981
838	$C_{10}H_{20}O_3$	2,2-Dipropoxy-3-butanone	196-7	98.5		119
839	$C_{10}H_{20}O_4$	2-(2-Butoxyethoxy) ethyl acetate	245.3	99.8	92	575
840	$C_{10}H_{21}Cl$	Chlorodecane (isomers)	210.6	99.7	84	981
841	$C_{10}H_{21}N$	*N*-Butylcyclohexylamine	209.5	99.5	81	981
842	$C_{10}H_{22}$	Decane	173.3	97.2		575
843	$C_{10}H_{22}$	2,7-Dimethyloctane	160.1	96.1		575
844	$C_{10}H_{22}O$	Amyl ether	190	98.4		760
845	$C_{10}H_{22}O$	Decyl alcohol (isomers)	217.3	100	94.8	982
846	$C_{10}H_{22}O$	2-Ethyloctanol	220.5	99.9	94.0	981
847	$C_{10}H_{22}O$	Isoamyl ether	172.6	97.4	54	538,760
848	$C_{10}H_{22}O$	2-Propylheptanol	217.9	99.8	92	981
849	$C_{10}H_{22}O_2$	Acetaldehyde dibutyl acetal	188.8	98.7	66.3	45,895
850	$C_{10}H_{22}O_2$	Acetaldehyde diisobutyl acetal	171.3	97.4	52.5	45
851	$C_{10}H_{22}O_2$	1,2-Dibutoxyethane	203.6	99.1	76.8	981
852	$C_{10}H_{22}O_3$	2-(2-Hexyloxyethoxy) ethanol	259.1	100	98.1	981
853	$C_{10}H_{22}O_4$	1,2-Bis(2-ethoxyethoxy)ethane	246.9	Nonazeotrope		981
854	$C_{10}H_{22}O_5$	Bis[2-(2-methoxyethoxy)ethyl] ether		Nonazeotrope		23,981
855	$C_{10}H_{23}N$	Decylamine (isomers)	203.7	99.5	82	981
856	$C_{10}H_{23}N$	Diamylamine (isomers)	190	99.3	76	981

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	H_2O	Water *(continued)*	100			
857	$C_{10}H_{23}N$	*N,N*-Dimethyl-2-ethyl-hexylamine	176.1	98.2	58	981
858	$C_{10}H_{23}NO$	2-Dibutylaminoethanol	228.7	99.9	91.0	981
859	$C_{11}H_{10}$	1-Methylnaphthalene	245	99.8	94	266
860	$C_{11}H_{12}O_2$	Ethyl cinnamate	272	99.93	97	575
861	$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethoxybenzene	255.0	99.85	96.2	538
862	$C_{11}H_{14}O_2$	Butyl benzoate	249.8	99.88	94	538
863	$C_{11}H_{14}O_2$	1,2-Dimethoxy-4-propenylbenzene	270.5	99.95	98.8	575
864	$C_{11}H_{14}O_2$	Isobutyl benzoate	242.15	99.82	92.6	531
865	$C_{11}H_{14}O_3$	Butyl salicylate	268.2	99.9	95.8	981
866	$C_{11}H_{14}O_3$	Ethyl 6-formylbicyclo [2.2.1]hept-5-en-2-carboxylate		100	97	981
867	$C_{11}H_{16}O_3$	Allyl 6-methyl-3,4-epoxycyclohexane-carboxylate	251.4	100	98.1	981
868	$C_{11}H_{18}O_2$	Isopropyl 6-methyl-3-cyclohexene-carboxylate	215.2	99.7	84	981
869	$C_{11}H_{20}O$	5-Ethyl-3-nonen-2-one	226.4	99.6	92	981
870	$C_{11}H_{20}O$	Isobornyl methyl ether	192.2	98.55	68	538
871	$C_{11}H_{20}O$	Methyl terpineol ether	216.2	99.3	83	575
872	$C_{11}H_{20}O_4$	Diethyl pimelate	268.1	100	98.3	981
873	$C_{11}H_{22}O$	5-Ethyl-2-nonanone	222.9	99.6	87.1	981
874	$C_{11}H_{22}O_2$	2,6-Dimethyl-4-heptyl acetate	192.2	98.7	67.6	981
875	$C_{11}H_{22}O_2$	Ethyl pelargonate	227	99.6	88	575
876	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	99.75	91	575
877	$C_{11}H_{22}O_3$	4-Methoxy-2,6-dipropyl-1,3-dioxane	223.6	99.6	88.1	981
878	$C_{11}H_{24}$	Undecane	194.5	98.85	96	968
879	$C_{11}H_{24}O$	5-Ethyl-2-nonanol	225.4	99.7	89.1	981
880	$C_{11}H_{24}O_2$	Diamyloxymethane	221.6	99.2	93	324
881	$C_{11}H_{24}O_2$	Diisoamyloxymethane	207	99.3	78.8	45,970
882	$C_{11}H_{24}O_2$	2,2-Dibutoxypropane		98.9	69.6	981
883	$C_{11}H_{24}O_2$	2,6-Dimethyl-4-heptyloxyethanol	225.5	99.9	91	981
884	$C_{11}H_{24}O_4$	1,1,3,3-Tetraethoxypropane	220.1	99.8	87.4	981
885	$C_{11}H_{25}NO$	1-Dibutylamino-2-propanol	229.1	99.8	88.4	981
886	$C_{12}H_{10}O$	*o*-Phenylphenol		99.95	98.75	266

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**H_2O**	**Water** *(continued)*	**100**				
887	$C_{12}H_{10}O$	Phenyl ether	259.3	99.33	96.75		531
888	$C_{12}H_{14}O_4$	Ethyl phthalate	298.5	99.98	98		575
889	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.3	99.9	95.6		531
890	$C_{12}H_{18}O$	Triisobutylene oxide		99.3	72		981
891	$C_{12}H_{19}N$	*N*-Butyl-α-methyl-benzylamine	239.3	99.8	92		981
892	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	99.62	87.3		531
893	$C_{12}H_{20}O_2$	*sec*-Butyl-6-methyl-3-cyclohexene-carboxylate		100	92		981
894	$C_{12}H_{20}O_4$	Dibutyl fumarate	285.2	99.9	98.5		981
895	$C_{12}H_{20}O_4$	Dibutyl maleate	280.6	99.9	98.4		981
896	$C_{12}H_{22}O$	Ethyl isobornyl ether	203.8	98.9	75		575
897	$C_{12}H_{22}O_2$	2-Ethylhexyl crotonate	241.2	99.9	93.4		981
898	$C_{12}H_{22}O_2$	Vinyl decanoate (isomers)		99.9	88		981
899	$C_{12}H_{22}O_4$	Diethyl 2-ethyl-3-methylglutarate	255.8	100	97.1		981
900	$C_{12}H_{23}N$	Dicyclohexylamine	255.8	Nonazeotrope			139
901	$C_{12}H_{24}O$	2,6,8-Trimethyl-4-nonanone	218.2	99	84		981
902	$C_{12}H_{24}O_2$	2-Ethylbutyl 2-ethylbutyrate	222.6	99.6	85.6		981
903	$C_{12}H_{24}O_2$	2-Ethylbutyl hexanoate	236.2	99.7	91.2		981
904	$C_{12}H_{24}O_2$	Hexyl 2-ethylbutyrate	230.3	99.7	88.8		981
905	$C_{12}H_{24}O_2$	Hexyl hexanoate	245.2	99.8	93.3		981
906	$C_{12}H_{24}O_3$	2,2-Dibutoxy-3-butanone	228-230	97-8			119
907	$C_{12}H_{24}O_3$	2,2-Diisobutoxy-3-butanone	214-215	98			119
908	$C_{12}H_{26}$	Dodecane	214.5	99.45	98		968
909	$C_{12}H_{26}O$	2-Butyl-1-octanol	253.4	99.9	97.5		981
910	$C_{12}H_{26}O$	2,6,8-Trimethyl-4-nonanol	225.5	99.6	89.7		982
911	$C_{12}H_{26}O_2$	Acetaldehyde diamyl acetal	225.3	99.8	85.5		45
912	$C_{12}H_{26}O_2$	Acetaldehyde diisoamyl acetal	213.6	99.3	78.8		45
913	$C_{12}H_{26}O_2$	1,1-Diethoxy-2-ethylhexane	207.8	99.3	78.6		981
914	$C_{12}H_{26}O_2$	3-Ethoxy-4-ethyl-octanol	249.2	100	98		981
915	$C_{12}H_{26}O_3$	Bis(2-butoxyethyl) ether	254.6	99.8	94.7		981
916	$C_{12}H_{26}O_3$	1,1,3-Triethoxyhexane		99.6	85		981
917	$C_{12}H_{27}N$	Dihexylamine	239.8	99.8	92.8		981
918	$C_{12}H_{27}N$	Tributylamine	213.9	99.65	79.7	v-l	481c

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**H_2O**	**Water** *(continued)*	**100**			
919	$C_{12}H_{27}O_4P$	Tributyl phosphate		100	99.4	981
920	$C_{13}H_{24}O_2$	Decyl acrylate (isomers)		99.9	94.9	981
921	$C_{14}H_{22}O$	2-(Ethylhexyl)phenol	297.0	100	> 99	981
922	$C_{14}H_{23}N$	*N*-(Ethylhexyl)aniline		100	99.3	981
923	$C_{14}H_{24}$	1,3,6,8-Tetramethyl-1,6-cyclodecadiene	220.5	99.5	82.3	981
924	$C_{14}H_{26}O_4$	Dibutyl adipate		100	>99	981
925	$C_{14}H_{28}O$	Trimethylnonyl vinyl ether	223.4	99.6	84.3	981
926	$C_{14}H_{28}O_2$	2-Ethylbutyl 2-ethylhexanoate	261.5	99.9	95.8	981
927	$C_{14}H_{28}O_2$	2-Ethylhexyl 2-ethylbutyrate	252.8	99.9	94.8	981
928	$C_{14}H_{28}O_2$	2-Ethylhexyl hexanoate	267.2	99.9	96.4	981
929	$C_{14}H_{28}O_2$	Hexyl 2-ethylhexanoate	254.3	99.9	94.6	981
930	$C_{14}H_{29}N$	*N*-(2-Ethylhexyl) cyclohexylamine		100	99.7	981
931	$C_{14}H_{30}O$	7-Ethyl-2-methyl-4-undecanol	264.3	99.9	96.3	981
932	$C_{14}H_{30}O_2$	2-(2,6,8-Trimethyl-4-nonyloxy)ethanol		100	99.0	981
933	$C_{15}H_{28}O_4$	Dibutyl pimelate		100	>99.5	981
934	$C_{15}H_{32}O$	2,8-Dimethyl-6-isobutyl-4-nonanol	265.4	99.9	97.2	981
935	$C_{16}H_{18}O$	Bis(α-methylbenzyl) ether	286.7	100	98.7	981
936	$C_{16}H_{28}O_4$	Bis(4-methyl-2-pentyl) maleate		100	99	981
937	$C_{16}H_{30}O_2$	Tridecyl acrylate		100	98.8	981
938	$C_{16}H_{31}N$	Bis(methylcyclohexylmethyl)amine		100	99.45	981
939	$C_{16}H_{32}O_2$	2-Ethylhexyl 2-ethylhexanoate	280.4	99.9	97.9	981
940	$C_{16}H_{34}O$	Bis(2-ethylhexyl) ether	269.8	99.8	96.4	981
941	$C_{16}H_{35}N$	Bis(2-ethylhexyl) amine	280.7	100	97.6	981
942	$C_{17}H_{36}O$	3,9-Diethyl-6-tridecanol	309	100	>99	981
943	$C_{18}H_{24}N_2$	Bis(α-methylbenzyl) ethylenediamine		100	>99.9	981
944	$C_{18}H_{38}O_2$	1,1-Bis(2-ethylhexyloxy) ethane		99.0	99.9	981
945	$C_{18}H_{39}NO$	2-[Bis(2-ethylhexyl) amino]ethanol		100	>99.5	981

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**H_2O**	**Water** *(continued)*	**100**				
946	$C_{20}H_{36}O_4$	Bis(2-ethylhexyl) fumarate		100	>99.9		981
947	$C_{20}H_{36}O_4$	Bis(2-ethylhexyl) maleate		100	>99.9		981
948	$C_{20}H_{40}O_3$	2-Ethylhexyl 3-(2-ethylhexyloxy) butyrate		100	>99.5		981
949	$C_{20}H_{42}O$	Decyl ether (isomers)		100	99.6		981
950	$C_{20}H_{42}O$	Eicosanol (isomers)		100	99.8		981
951	$C_{20}H_{43}N$	Didecylamine (isomers)		100	99.6		981
952	$C_{21}H_{38}O_3$	Allyl 9,10-epoxystearate		Nonazeotrope			981
953	$C_{24}H_{52}O_4Si$	Tetra(2-ethylbutoxy) silane		100	99.9		981
954	$C_{31}H_{58}O_6$	Tri(2-ethylhexyl) 1,2,4-butane-tricarboxylate		100	99.8		981
A =	**H_2S**	**Hydrogen Sulfide**	**— 59.6**				
955	C_2H_6	Ethane 200 p.s.i.g.		— 21.6	7.9	v-l	443
		" 300 p.s.i.g.		— 6.5	11.6	v-l	443
		" 400 p.s.i.g.		5	14.5	v-l	443
		" 500 p.s.i.g.		15	17.1	v-l	443
		" 600 p.s.i.g.		23.5	19.6	v-l	443
956	C_3H_8	Propane 200 p.s.i.g.		7.8	75.2	v-l	445
		" 400 p.s.i.g.		37.1	82	v-l	445
		" 600 p.s.i.g.		56	83.7	v-l	445
		" 800 p.s.i.g.		72	87.2	v-l	445
		" 1000 p.s.i.g.		84.2	89.9	v-l	445
		" 1200 p.s.i.g.		95	92.7	v-l	445
A =	**H_3N**	**Ammonia**	**— 33.5**				
956a	H_4N_2	Hydrazine —40°–50°C.		Nonazeotrope		v-l	31h
957	CH_5N	Methylamine	— 6.32	Nonazeotrope			818
958	C_2H_2	Acetylene 15-65°C.		Nonazeotrope		v-l	524
959	C_2H_3Cl	Chloroethylene 15 atmos.		38.6	66.5	v-l	138
960	C_2H_6O	Methyl ether		— 37.5	42.6	v-l	770
		"		— 60	38.6	v-l	770
		"	— 23	— 37	42.5		378
		" 11 atm.		25	56		378
961	C_2H_7N	Dimethylamine	6.88	Nonazeotrope			818
962	C_2H_7N	Ethylamine, (0°-30° C.)		Nonazeotrope			981
963	C_3H_4	Propadiene	— 32	— 45	44.3		356
964	C_3H_4	Propyne	— 23	— 35	75		215
		" 498 mm.		— 43.9	54.6	v-l	871
		" 248 mm.		— 56.7	46.3	v-l	871
		" 94 mm.		— 70.5	47.5	v-l	871

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No.	Formula	B-Component Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**H_3N**	**Ammonia** *(continued)*	**—33.5**				
965	C_3H_5F	2-Fluoropropene	— 24	— 40.5	34		356
966	C_3H_6	Cyclopropane	— 31.5	— 44	20		215
967	C_3H_6	Propene 1200 mm.	— 34.2	— 40	10-15		215
968	C_3H_8	Propane	— 42	— 44	5-10		215
969	C_3H_8O	Propyl alcohol	97.2	Nonazeotrope			813
970	C_3H_9N	Trimethylamine	2.87	— 34	73		20,818
		" 210 p.s.i.g.			82		818
971	C_4H_2	Diacetylene -35 to -45°		Nonazeotrope		v-l	871
972	C_4H_4	Vinylacetylene -35 to -55°		Nonazeotrope		v-l	871
973	C_4H_6	1,3-Butadiene	— 4.5	— 37	55		215
974	C_4H_6	1-Butyne	7	Nonazeotrope			215
975	C_4H_8	1-Butene	— 6	— 37.5	45		215
976	C_4H_8	2-Methylpropene	— 6	— 38.5	45		215
977	C_4H_{10}	Butane	— 0.5	— 37.1	45		215
		"		— 37.0	54		378
		" 375 p.s.i.g.		55.5	57		195
		" 300 p.s.i.g.		43	56.8	v-l	444
		" 500 p.s.i.g.		66	59.0	v-l	444
		" 700 p.s.i.g.		81	60.9	v-l	444
		" 900 p.s.i.g.		94	62.1	v-l	444
		" 1100 p.s.i.g.		104	63.4	v-l	444
978	C_4H_{10}	2-Methylpropane	— 10	— 38.4	35		215
		" 12 atm.		25	45		378
979	C_5H_{12}	2-Methylbutane	27.6	— 34.5	65		215
980	C_8H_{18}	Iso-octane,					
		" 200-1600 p.s.i.g.				v-l	446
		" >1400 p.s.i.g.		Min. b.p. 98-100%			
						v-l	446
A =	**H_4N_2**	**Hydrazine**	**113.5**				
981	$C_2H_8N_2$	1,1-Dimethylhydrazine 250-760 mm.		Nonazeotrope		v-l	656,736
A =	**H_4Si**	**Silane**	**—111.86**				
982	C_2H_4	Ethylene	—103.7	v.p. curve			1074
A =	**He**	**Helium**	**—268.9**				
982a	Ne	Neon 26.95°–41.90°K.				v-l	372c
983	CH_4	Methane 5-170 atm.		Nonazeotrope		v-l	450
		" 95°–185°K.				v-l	372e
A =	**Kr**	**Krypton**	**—152**				
983a	C_3H_6	Propylene	— 48			v-l	63e
A =	**NO**	**Nitric Oxide**	**—153.6**				
984	NO_2	Nitrogen peroxide	26	Nonazeotrope			575
A =	**N_2**	**Nitrogen**	**—196**				
984a	N_2O	Nitrous oxide 4–45 atm.				v-l	850c
985	Ne	Neon 66.13-120°K				v-l	926

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**N_2**	**Nitrogen** *(continued)*	**—196**				
986	O_2	Oxygen	—183	Nonazeotrope			813
		" 1.36 kg./cm²				v-l	685c
987	CH_4	Methane	—164	Nonazeotrope			575
A =	**N_2O**	**Nitrous Oxide**	**15**				
988	C_2H_6	Ethane, 45 atm.	28	12.8	80		563
				Min. b.p.	85.5		499
A =	**O_2S**	**Sulfur Dioxide**	**— 10**				
988a	O_3S	Sulfur trioxide					
		760 mm.				v-l	200a
		" 850 mm.				v-l	200a
988b	CH_4O	Methanol 20°–40°C.		Nonazeotrope		v-l	44c
989	CH_4S	Methanethiol	6.8	Nonazeotrope			575
990	C_2H_4	Ethylene	— 103.9	Nonazeotrope			349
991	C_2H_6	Ethane	— 83.3	Min. b.p.			349
992	C_2H_6O	Methyl ether					
		6.6 atm.		56.1	60		82
		" 12.1 atm.		77.1	60		82
		" 26.7 atm.		108.7	60		82
		"	— 23.6	0	65		279
		"		0.4	65.8	v-l	770c
993	C_3H_6	Propene	— 48	Nonazeotrope			349,985
993a	C_3H_6O	Acetone 20°–40°C.		Nonazeotrope		v-l	44c
993b	$C_3H_6O_2$	Methyl acetate					
		20°–40°C.		Nonazeotrope		v-l	44c
994	C_3H_8	Propane, 7 kg./cm²			22		349,985
		"		Azeotropic at all pressures			985
995	C_4H_8	1-Butene	— 6.7	—16	61		292,636
		" 2.37 atm.		3	62		636
996	C_4H_8	2-Methylpropene	— 6.7	—14	59		636
		" 0.46 atm.		—30	57		636
		" 2.40 atm.		3	66		636
997	C_4H_8	*trans*-2-Butene	1.0	—14	71		636
		" 0.46 atm.		—29	70		636
		" 2.05 atm.		3	75		636
998	C_4H_8	*cis*-2-Butene	3.7	—13	72		636
		" 2.05 atm.		3	75		636
999	C_4H_{10}	Butane	— 0.6	—18	63.3		636
		" 0.46 atm.		—35	62		636
		" 2.65 atm.		3	66		636
1000	C_4H_{10}	2-Methylpropane	— 12.4	—24			636
		" 3.17 atm.		3	57.4		636
1001	C_5H_{10}	2-Methyl-1-butene	32.0		Min. b.p.		292
1002	C_5H_{10}	3-Methyl-1-butene	21.2		Min. b.p.		292
1003	C_5H_{10}	2-Methyl-2-butene	37.7		Min. b.p.		292
1004	C_5H_{10}	1-Pentene	30.2		Min. b.p.		292
1005	C_5H_{10}	2-Pentene	35.8		Min. b.p.		292
1006	C_5H_{12}	2-Methylbutane	27.9		Min. b.p.		292
1007	C_5H_{12}	Pentane	36.2		Min. b.p.		292

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No.	Formula	B-Component Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**Pb**	**Lead**	**1525**				
1008	Sn	Tin	2275	Nonazeotrope			563
A =	**S**	**Sulfur**	**444.6**				
1009	Se	Selenium	688	Compound formation			
						v-l	13,206
1009a	Te	Tellurium		Nonazeotrope		v-l	486c
A =	**Se**	**Selenium**					
1010	Te	Tellurium 50-760 mm.		Nonazeotrope		v-l	486c
A =	**Xe**	**Xenon**	**—109**				
1010a	C_3H_6	Propylene	— 48	Nonazeotrope		v-l	63e
A =	**CCl_2F_2**	**Dichlorodifluoromethane**	**— 29.8**				
1011	$CHClF_2$	Chlorodifluoromethane	— 40.8	—41.4	25		231
		" 4.93 atm.	0.04	0.00	2.1		745
		" 2059 mm.		Nonazeotrope			1019
		" —60°–70°C.		effect of press.		v-l	491c
1012	CH_3Cl	Chloromethane, 5380 mm.	33.5	25.0	78		796
1013	$C_2H_2F_4$	1,1,2,2-Tetrafluoroethane	— 19.7	—33.1	72		508
1014	$C_2H_4F_2$	1,1-Difluoroethane					
		52.72 p.s.i.g.		0	74,	v-l	746
		"		—30.5	77.55		744
		"		0.00	73.80		744
		"		24.90	71.22		744
		"		40.08	69.31		744
		" 60 p.s.i.a.		4.44	76.2		795
		" 112 p.s.i.a.		25	74		795
1015	C_2H_6O	Methyl ether 2340 mm.	6	0	90		796
1016	C_3F_6	Hexafluoropropene 2059 mm.	—6.1	—7.1	46.3	v-l	1019
1017	C_3HF_7	Heptafluoropropane 2328 mm.	17	0.00	86.5		745
1018	C_4F_8	Perfluorocyclobutane 2059 mm.	21	Nonazeotrope			1019
A =	**CCl_3F**	**Trichlorofluoromethane**	**24.9**				
1019	C_2H_4O	Acetaldehyde	20.2	15.6	55		279
1020	$C_2H_4O_2$	Methyl formate	32	20	82		279
1021	C_5H_{12}	2-Methylbutane	27	23.16	92		225
A =	**CCl_3NO_2**	**Trichloronitromethane**	**111.9**				
1022	$CHBrCl_2$	Bromodichloromethane	90.1	Nonazeotrope			554
1023	CH_2Br_2	Dibromomethane	97.0	Nonazeotrope			554
1024	CH_2O_2	Formic acid	100.75	91			543
1025	CH_3NO_2	Nitromethane	101.2	<100.4	<15		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**CCl_3NO_2**	**Trichloronitromethane**	**111.9**			
		(continued)				
1026	CH_4O	Methanol	64.65	Nonazeotrope		554
1027	C_2Cl_4	Tetrachloroethylene	121.1	Nonazeotrope		554
1028	$C_2H_4O_2$	Acetic acid	118.1	107.65	80.5	554
1029	C_2H_5ClO	2-Chloroethanol	128.6	108.9	85	554
1030	C_2H_6O	Ethyl alcohol	78.32	77.5	34	554
1031	C_3H_5ClO	Epichlorohydrin	116.45	~106		563
1032	C_3H_5I	3-Iodopropene	101.8	Nonazeotrope		554
1033	$C_3H_6Cl_2$	1,3-Dichloropropane	129.8	Nonazeotrope		554
1034	C_3H_6O	Allyl alcohol	96.85	94.2	56	554,875
1035	$C_3H_6O_2$	Propionic acid	141.3	Nonazeotrope		554
1036	C_3H_7ClO	1-Chloro-2-propanol	127.0	<110.8	<96	554
1037	C_3H_7I	1-Iodopropane	102.4	Nonazeotrope		554
1038	C_3H_8O	Isopropyl alcohol	82.4	81.95	35	554
1039	C_3H_8O	Propyl alcohol	97.2	94.05	58.5	554
1040	$C_3H_8O_2$	2-Methoxyethanol	124.5	<110.5	<82	554
1041	$C_4H_8O_2$	Dioxane	101.35	Nonazeotrope		554
1042	$C_4H_8O_2$	Isobutyric acid	154.6	Nonazeotrope		554
1043	C_4H_8S	Tetrahydrothiophene	118.8	Nonazeotrope		566
1044	C_4H_9Br	1-Bromobutane	101.5	Nonazeotrope		554
1045	C_4H_9I	1-Iodo-2-methylpropane	120.8	Nonazeotrope		554
1046	$C_4H_{10}O$	*n*-Butyl alcohol	117.8	106.65	80	554
1047	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	96.1	60	554
1048	$C_4H_{10}O$	*tert*-Butyl alcohol	82.45	82.25	37	554
1049	$C_4H_{10}O$	Isobutyl alcohol	108.0	102.05	68	554
1050	$C_4H_{10}S$	Butanethiol	97.5	Nonazeotrope		575
1051	C_5H_5N	Pyridine	115.4	Nonazeotrope		553
1052	$C_5H_{10}O$	Isovaleraldehyde	92.1	Nonazeotrope		554
1053	$C_5H_{10}O$	3-Pentanone	102.05	Nonazeotrope		575
1054	$C_5H_{10}O_2$	Ethyl propionate	99.1	Nonazeotrope		554
1055	$C_5H_{10}O_2$	Methyl butyrate	102.65	Nonazeotrope		554
1056	$C_5H_{10}O_2$	Propyl acetate	101.6	Nonazeotrope		532
1057	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	Nonazeotrope		554
1058	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.4	Nonazeotrope		554
1059	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	98.9	65	554
1060	$C_5H_{12}O$	Isoamyl alcohol	131.9	111.15	93	554
1061	$C_5H_{12}O$	3-Methyl-2-butanol	112.9	<106.5	<80	554
1062	$C_5H_{12}O$	2-Pentanol	119.8	108.0	83	554
1063	$C_5H_{12}O$	3-Pentanol	116.0	<107.3	<82	554
1064	C_6H_6	Benzene	80.15	Nonazeotrope		554
1065	C_6H_{10}	Cyclohexene	82.75	Nonazeotrope		554
1066	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope		554
1067	$C_6H_{12}O$	Cyclohexanol	160.8	Nonazeotrope		554
1068	$C_6H_{12}O$	3-Hexanone	123.3	Nonazeotrope		575
1069	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	Nonazeotrope		532
1070	$C_6H_{12}O_2$	Isobutyl acetate	117.4	Nonazeotrope		554
1071	$C_6H_{12}O_2$	Methyl isovalerate	116.5	Nonazeotrope		554
1072	$C_6H_{14}O$	*n*-Hexyl alcohol	157.85	Nonazeotrope		554

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**CCl_3NO_2**	**Trichloronitromethane**	**111.9**				
		(continued)					
1073	$C_6H_{14}O_2$	Acetal	103.55	Nonazeotrope			554
1074	$C_6H_{14}S$	Isopropyl sulfide	120.5	Nonazeotrope			566
1075	C_7H_8	Toluene	110.75	Nonazeotrope			554
1076	C_7H_{14}	Methylcyclohexane	101.15	100.8	27		554
1077	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	Nonazeotrope			554
1078	C_7H_{16}	*n*-Heptane	98.4	98.32	7		554
1079	$C_7H_{16}O$	*n*-Heptyl alcohol	176.15	Nonazeotrope			554
1080	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			554
1081	C_8H_{10}	*m*-Xylene	139.2	Nonazeotrope			554
1082	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	111.0	80		554
1083	C_8H_{18}	2,5-Dimethylhexane	109.3	<107.5	<55		554
1084	$C_8H_{18}O$	Isobutyl ether	122.3	Nonazeotrope			554
A =	**CCl_4**	**Carbon Tetrachloride**	**76.75**				
1085	CS_2	Carbon disulfide	46.25	Nonazeotrope		v-l	734
1086	$CHCl_3$	Chloroform	61.2	Nonazeotrope		v-l	371,930c
1087	CH_2O_2	Formic acid	100.7	66.65	81.5		563
1087a	CH_3Cl_3Si	Trichloromethylsilane 65°–74°C.		Nonazeotrope		v-l	522g
1088	CH_3NO_2	Nitromethane	101.2	71.3	83		554
		" 303 mm.		45	89.4		91
1089	CH_3NO_3	Methyl nitrate	64.8	<63.5			560
1090	CH_4O	Methanol	64.7	55.7	79.44		563,903, 1045
		"	64.7			v-l	710
1091	C_2Cl_4	Tetrachloroethylene	120.8	Nonazeotrope,		v-l	641
1092	$C_2F_4N_2O_4$	1.1,2,2-Terafluorodinitro-ethane		62	23.4		288
1093	C_2HCl_3	Trichloroethylene	86.2	Ideal system		v-l	501
1094	$C_2H_3Cl_3O_2$	Chloral hydrate	97.5	~76			563
1095	C_2H_3N	Acetonitrile	81.6	65.1	83		527
		" 371.2 mm		45	84.5	v-l	91
		"		65.9	83.8	v-l	635c
1095a	C_2H_3NO	Methyl isocyanate	37.9	Nonazeotrope		v-l	45c
1096	$C_2H_4Br_2$	1,2-Dibromoethane	131.5	Nonazeotrope			563
1097	$C_2H_4Cl_2$	1,1-Dichloroethane	57			v-l	435
1098	$C_2H_4Cl_2$	1,2-Dichloroethane	82.85	75.3	78.4,	v-l	465,1047
		"	83.45	75.5	80		581
1099	$C_2H_4O_2$	Acetic acid					
		" <50 mm.		Nonazeotrope			368
		" 90 mm.		18.7	99.28		368
		" 340 mm.		51.5	99.42		368
		" 530 mm.		64.6	99		368
		" 760 mm.	118.1	76	98.46		368
		" 1080 mm.		90	97.7		368
		" 1400 mm.			97.0		368
		"	118.5	76.55	97		542
		" 20°C.		Nonazeotrope		v-l	587c

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**CCl_4**	**Carbon Tetrachloride** *(continued)*	**76.75**				
1100	C_2H_5Br	1-Bromoethane	38.4	Nonazeotrope			575
1101	C_2H_5ClO	Chloromethyl methyl ether	59.5	Nonazeotrope			556
1102	C_2H_5I	Iodoethane	72.3	Nonazeotrope			549
		"	72.3	Min. b.p.			814
1103	$C_2H_5NO_2$	Nitroethane 25°C		Nonazeotrope		v-l	845
1104	$C_2H_5NO_3$	Ethyl nitrate	87.68	74.95	84.5		536
1105	C_2H_6O	Ethyl alcohol	78.3	65.04	84.2	v-l	385
		"	78.3	65	84	v-l	386
		"	78.3	65.08	84.15		574
		" 200 mm.		32.1	90		371,
		" 380 mm.		47.0	85		382,
		" 760 mm.		64.9	80		854,
				Vapor pressure curves			855,978
		" 600 mm.		58.4	86	v-l	73c
		" 752 mm.		64.6	85	v-l	73c
		" 900 mm.		69.4	81	v-l	73c
1106	C_3H_3N	Acrylonitrile	77.3	66.2	79		215
1107	C_3H_5ClO	Epichlorohydrin	116.4	Nonazeotrope			556
1108	C_3H_6O	Acetone	56.15	56.08	11.5		29,371,551
		" 513.2 mm.		45	9	v-l	92
		" 300 mm.	31.29	31.22	9.03	v-l	32
		" 450 mm.	41.56	41.47	11.80	v-l	32
		" 600 mm.	49.36	49.26	12.48	v-l	32
		" 760 mm.	56.08	55.98	12.6	v-l	32
1109	C_3H_6O	Allyl alcohol	97.1	72.3	88.5		981
		"		72.6	79.6	v-l	1
		"	96.9	72.5	91.15		358,563, 875
1110	$C_3H_6O_2$	Methyl acetate	57.0	Nonazeotrope			563
		"	57.1			v-l	682
1111	$C_3H_6O_3$	Methyl carbonate	90.25	75.75	88		527
		"	90.35	Nonazeotrope			547
1112	C_3H_7Br	1-Bromopropane	71.0	Nonazeotrope			549
1113	$C_3H_7NO_2$	1-Nitropropane 25°		Nonazeotrope		v-l	845
1114	$C_3H_7NO_2$	2-Nitropropane 25°		Nonazeotrope		v-l	845
1115	C_3H_8O	Isopropyl alcohol	82.5	68.65	81.9	v-l	1037, 1049
		"	82.45	68.95	82		572, 1051
1116	C_3H_8O	Propyl alcohol	97.25	73.4	92.1,	v-l	133, 389,574, 1051
		" 20-40°C				v-l	629
		"	97.2	72.8	88.5		981
1117	C_3H_9SiCl	Chlorotrimethylsilane	57.5	Nonazeotrope			844
1118	$C_3H_9BO_3$	Methyl borate	68.7	Nonazeotrope			547
1119	C_4H_4S	Thiophene	84	Nonazeotrope			527

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No.	Formula	B-Component Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**CCl_4**	**Carbon Tetrachloride**	**76.75**				
		(continued)					
1119a	C_4H_6	1,3-Butadiene 25°C.				v-l	1030c
1120	$C_4H_6O_2$	Allyl formate	80.0	74.3	66		562
1121	C_4H_8O	2-Butanone	79.6	73.8	71		29,552
		"				v-l	598c
		" 342 mm.		50.0	84.3	v-l	287
		"	79.6	73.7	81.6	v-l	287,501
1122	C_4H_8O	Isobutyraldehyde	63.5	Nonazeotrope			575
1123	$C_4H_8O_2$	Butyric acid	163.5	Nonazeotrope			678
1124	$C_4H_8O_2$	Dioxane	101.35	Nonazeotrope			559
		" 20-30°				v-l	916
1125	$C_4H_8O_2$	Ethyl acetate	76.7	74.8	57		981
		" 789.2 mm.		76.15	68.7		858
		" 583.7 mm.		66.72	73.0		858
		" 484.5 mm.		61.32	75.4		858
		" 385.2 mm.		55.22	78.6		858
		" 285.7 mm.		47.36	82.2		858
		" 685.0 mm.		71.56	70.9,	v-l	858,978
		" 20-30°C				v-l	916
1126	$C_4H_8O_2$	Isopropyl formate	68.8	68.0	12		562
1127	$C_4H_8O_2$	Methyl propionate	79.85	76.0	~75		573
1128	$C_4H_8O_2$	Propyl formate	80.8	74.6	60		572
1129	C_4H_9Br	2-Bromo-2-methylpropane	73.3	Nonazeotrope			563
1130	C_4H_9ClO	2-Chloroethyl ethyl ether	98.5	Nonazeotrope			575
1131	$C_4H_9NO_2$	Butyl nitrite	78.2	75.3	70		550
1132	$C_4H_9NO_2$	Isobutyl nitrite	67.1	Nonazeotrope			550
1133	$C_4H_{10}O$	Butyl alcohol	117.75	76.55	97.5		574
		"	117.75	76.55	97.6	v-l	386,385
1134	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	74.6	92.4		215
		"	99.4	74	92		623c
1135	$C_4H_{10}O$	*tert*-Butyl alcohol	82.55	71.1	83		29,527
1136	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope		v-l	978
1137	$C_4H_{10}O$	Isobutyl alcohol	108	75.8	94.5		563,1051
1138	$C_4H_{10}S$	Ethyl sulfide	92.2	Nonazeotrope			532
1139	$C_4H_{11}N$	Diethylamine 20-40°C		Nonazeotrope		v-l	457
1140	$C_5H_4O_2$	2-Furaldehyde	162	Nonazeotrope		v-l	1029
1141	C_5H_5N	Pyridine	115.5	Nonazeotrope			563
1141a	C_5H_{10}	Cyclopentane	49.3	Nonazeotrope		v-l	815c,304c
1142	$C_5H_{10}O$	Isovaleraldehyde	92.1	Nonazeotrope			575
1143	$C_5H_{10}O$	3-Methyl-2-butanone	95.4	Nonazeotrope			552
1143a	$C_5H_{10}O$	2-Methyl-3-buten-2-ol	97	75.3	94.2		581c
1144	$C_5H_{10}O_2$	Isobutyl formate	98.2	Nonazeotrope			575
1145	$C_5H_{10}O_2$	Isopropyl acetate	90.8	Nonazeotrope			547
1146	$C_5H_{10}O_2$	Methyl isobutyrate	92.3	Nonazeotrope			563
1147	$C_5H_{11}NO_2$	Isoamyl nitrite	97.15	Nonazeotrope			550
1147a	$C_5H_{12}O$	Amyl alcohol 744 mm.				v-l	213c

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**CCl_4**	**Carbon Tetrachloride** *(continued)*	**76.75**				
1148	$C_5H_{12}O$	*tert*-Amyl alcohol	102.25	76.57	95.5		525
1149	$C_5H_{12}O$	Isoamyl alcohol	131.3	Nonazeotrope			527
1150	$C_5H_{12}O$	2-Pentanol	119.8	Nonazeotrope			575
1151	$C_5H_{12}O$	3-Pentanol	116.0	Nonazeotrope			575
1152	C_6H_5Cl	Chlorobenzene	131.8	Nonazeotrope			563
1153	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope			554
		" 25°		Nonazeotrope		v-l	845
1154	C_6H_6	Benzene, <280 mm.	80.1	Azeotropic			113
		" 100 mm.		51.93	99		113
		"	80.12	Nonazeotrope,		v-l	123, 389,855, 1045,815c,304c
		"	80.1	Min. b.p.	98	v-l	710
		" 40°C.		Nonazeotrope		v-l	286
		" 760 mm.	80.1	Nonazeotrope		v-l	286
		" >1800 mm.		Min. b.p.			286
		" 15-35°C		Nonazeotrope		v-l	628
		"		Nonazeotrope		v-l	598
1155	C_6H_6O	Phenol 24-50°C.		Nonazeotrope		v-l	149
1156	C_6H_8	1,3-Cyclohexadiene	80.8	Azeotrope doubtful			563
1157	C_6H_8	1,4-Cyclohexadiene	85.6	Nonazeotrope			563
1158	C_6H_{10}	Cyclohexene	82.75	Nonazeotrope			563
		"	82.75	Nonazeotrope		v-l	815c
1159	C_6H_{12}	Cyclohexane, 40-70°C.	80.75	Nonazeotrope,		v-l	847
		"	80.75	76.5			562
		"	80.7	Nonazeotrope		v-l	598,1049, 815c
		" 20-40°C		Nonazeotrope		v-l	457
1159a	C_6H_{12}	1-Hexene	63.6	Nonazeotrope		v-l	815c
1160	C_6H_{12}	Methylcyclopentane	72.0	<71.6	<32		562
		"	72.0	Nonazeotrope		v-l	815c
1161	$C_6H_{12}O_2$	Butyl acetate	126.2	Nonazeotrope		v-l	108
1161a	C_6H_{14}	2,2-Dimethylbutane	49.7	Nonazeotrope		v-l	815c
1161b	C_6H_{14}	2,3-Dimethylbutane	58.0	Nonazeotrope		v-l	815c
1162	C_6H_{14}	Hexane	68.95	Azeotrope doubtful			563
		"	68.9	Nonazeotrope		v-l	815c
1162a	C_6H_{14}	2-Methylpentane	60.4	Nonazeotrope		v-l	815c
1162b	C_6H_{14}	3-Methylpentane	63.3	Nonazeotrope		v-l	815c
1163	$C_6H_{14}O$	Isopropyl ether 685–2280 mm.		Nonazeotrope		v-l	995,994c
1164	$C_6H_{14}O$	Propyl ether	90.55	Nonazeotrope			548
1165	$C_6H_{14}O_2$	Acetal	104.5	Nonazeotrope			563
1166	C_7H_8	Toluene	110.3	Nonazeotrope			388
				B.p. curve			388
		"	110.7	Nonazeotrope		v-l	815c
1166a	C_7H_{14}	Methylcyclohexane	101.6	Nonazeotrope		v-l	815c
1166b	C_7H_{16}	2,4-Dimethylpentane	80.8	76.3	86	v-l	815c

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**CCl_4**	**Carbon Tetrachloride**	**76.75**				
		(continued)					
1167	C_7H_{16}	Heptane	98.4	Nonazeotrope			899
				Vapor pressure data			
		"	98.4	Nonazeotrope		v-l	815c
1167a	C_8H_{10}	Ethylbenzene	136	Nonazeotrope		v-l	815c
1167b	C_8H_{10}	*m*-Xylene	139	Nonazeotrope			815c
1167c	C_8H_{10}	*o*-Xylene	143.6	Nonazeotrope			815c
1167d	C_8H_{10}	*p*-Xylene	138.4	Nonazeotrope			815c
1167e	C_8H_{16}	1-Octene	121.6	Nonazeotrope			815c
1168	C_8H_{18}	2,5-Dimethylhexane	109.4	Nonazeotrope			575
1168a	C_8H_{18}	Octane	125.7	Nonazeotrope			815c
1168b	C_8H_{18}	2,2,4-Trimethylpentane	99.3	Nonazeotrope			815c
1168c	C_9H_{20}	2,2,5-Trimethylhexane	120	Nonazeotrope			815c
A =	**CF_4**	**Carbon Tetrafluoride**					
1168d	CHF_3	Trifluoromethane 50°–200°F.				v-l	751c
1168e	C_3H_6	Propylene 145°K.		v.p. curve			63c
A =	**CS_2**	**Carbon Disulfide**	**46.25**				
1169	$CHCl_3$	Chloroform	61.2	Nonazeotrope			527,834
1170	CH_2Cl_2	Dichloromethane	40	35.7	35		215
1171	CH_2O_2	Formic acid	100.75	42.55	83		555
1172	CH_3I	Iodomethane	42.55	46	94		981
		"	42.55	41.5	40		527
1173	CH_3NO_2	Nitromethane	101.2	41.2	18.6	v-l	320
1174	CH_3NO_3	Methyl nitrate	64.8	44.25	90		555
1175	CH_4O	Methanol	64.7	39.8	71		560
1176	C_2Cl_6	Hexachloroethane	184.8	37.65	86		29,555
1177	C_2H_3Br	1-Bromoethylene	15.8	Nonazeotrope			813
1178	$C_2H_4Cl_2$	1,1-Dichloroethane	57.25	Nonazeotrope			566
		"	57.2	44.75	72		527
1179	$C_2H_4Cl_2O$	Bis(chloromethyl) ether	104	43.1	75		555
		"	105.5	Nonazeotrope			566
1180	$C_2H_4O_2$	Acetic acid	118.5	Nonazeotrope			834
1181	$C_2H_4O_2$	Methyl formate	31.7	24.75	33		555
1182	C_2H_5Br	Bromoethane	38.4	37.85	33		563,834
1183	C_2H_5Cl	Chloroethane	13	Nonazeotrope			531
1184	C_2H_5ClO	Chloromethyl methyl ether	59.15	43.1	75		555
1185	C_2H_5I	Iodoethane	72.3	Nonazeotrope			834
1186	$C_2H_5NO_2$	Ethyl nitrite	17.4	16.5	~5		538
1187	$C_2H_5NO_2$	Nitroethane	114.2	Nonazeotrope			554
1188	$C_2H_5NO_3$	Ethyl nitrate	87.7	Nonazeotrope			527
1189	C_2H_6O	Ethyl alcohol	78.3	42.6	91		54,555,834
1190	C_2H_6S	Methyl sulfide	37.4	Nonazeotrope			575
1191	C_3H_4O	Acrolein	52.45	<42.5	<71		566
1192	C_3H_5Br	3-Bromopropene	70.5	Nonazeotrope			566
1193	C_3H_5Cl	3-Chloropropene	45.15	41.2	50		566

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**CS_2**	**Carbon Disulfide** *(continued)*	**46.25**				
1194	C_3H_6O	Acetone	56.15	39.25	67		555,943
		" 1 kg./sq. cm.			66		834,964
		" 16.5 kg./sq. cm.			62.6		964
		" 32.5 kg./sq. cm.			59.4		964
		" 42 kg./sq. cm.			55.5		964
1195	C_3H_6O	Allyl alcohol	96.95	Nonazeotrope			563
		"	96.85	45.25	93.5		527
1196	C_3H_6O	Propionaldehyde	48.7	40.0	60		566
1197	$C_3H_6O_2$	Ethyl formate	54.15	39.35	63		555
1198	$C_3H_6O_2$	Methyl acetate	57	39.55	70		555,834
1199	$C_3H_6O_2$	Propionic acid	141.3	Nonazeotrope			566
1200	$C_3H_6O_3$	Methyl carbonate	90.25	45.72	91		527
1201	C_3H_7Br	1-Bromopropane	71.0	Nonazeotrope			566
1202	C_3H_7Br	2-Bromopropane	59.4	46.08	89.5		527
1203	C_3H_7Cl	1-Chloropropane	46.65	42.05	55.5		527
		"	46.6	45.2	55		981
1204	C_3H_7Cl	2-Chloropropane	35.0	33.5	~20		548
1205	$C_3H_7NO_2$	Isopropyl nitrite	40.1	35.5	42		527
1206	$C_3H_7NO_2$	Propyl nitrite	47.75	40.15	62		527
1207	C_3H_8O	Ethyl methyl ether	10.8	Nonazeotrope			215
1208	C_3H_8O	Isopropyl alcohol	82.45	44.22	92.4		555,834
1209	C_3H_8O	Propyl alcohol	97.1	45.65	94.5		324,555
1210	$C_3H_8O_2$	Methylal	42.25	37.25	46		555
1211	$C_3H_9BO_3$	Methyl borate	68.7	Nonazeotrope			527
		"	68.7	44.0	~ 84		548
1212	C_4H_4O	Furan	31.7	Nonazeotrope			566
1213	C_4H_5NS	Allylisothiocyanate	152.05	Nonazeotrope			575
1213a	C_4H_6	1,3-Butadiene	—4.6			v-l	1030c
1214	$C_4H_6O_2$	Biacetyl	87.5	Nonazeotrope			563
1215	C_4H_7N	Pyrroline	90.9	Nonazeotrope			575
1216	C_4H_8O	2-Butanone	79.6	45.85	84		552
1217	C_4H_8O	Butyraldehyde	75.2	Nonazeotrope			566
1218	C_4H_8O	Isobutyraldehyde	63.5	44.7	86		569
1219	$C_4H_8O_2$	Butyric acid	164.0	Nonazeotrope			566
1220	$C_4H_8O_2$	Ethyl acetate	77.1	46.02	92.7		555,834
		"	76.7	46.1	97		981
1221	$C_4H_8O_2$	Isobutyric acid	154.6	Nonazeotrope			575
1222	$C_4H_8O_2$	Isopropyl formate	68.8	43.0	~82		548
1223	$C_4H_8O_2$	Methyl propionate	79.85	Nonazeotrope			527
1224	$C_4H_8O_2$	Propyl formate	80.8	Nonazeotrope			527
1225	C_4H_9Br	2-Bromo-2-methylpropane	73.25	Nonazeotrope			566
1226	C_4H_9Cl	1-Chlorobutane	78.5	Nonazeotrope			566
1227	C_4H_9Cl	2-Chlorobutane	68.25	Nonazeotrope			566
1228	C_4H_9Cl	1-Chloro-2-methylpropane	68.85	Nonazeotrope			531
1229	C_4H_9Cl	2-Chloro-2-methylpropane	50.8	43.5	62		527
1230	C_4H_9ClO	2-Chloroethyl ethyl ether	98.5	Nonazeotrope			566

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	CS_2	**Carbon Disulfide** *(continued)*	**46.25**				
1231	$C_4H_9NO_2$	Butyl nitrite	78.2	Nonazeotrope			527
1232	$C_4H_9NO_2$	Isobutyl nitrite	67.1	45.55	86		555
1233	$C_4H_{10}O$	Butyl alcohol	116.9	Nonazeotrope			527
1234	$C_4H_{10}O$	*tert*-Butyl alcohol	82.45	44.9	93		555
1235	$C_4H_{10}O$	Ethyl ether	34.6	34.5	13?		555,834
		"	34.6	34.4	1		981
1236	$C_4H_{10}O$	Isobutyl alcohol	107.85	Nonazeotrope			527
1237	$C_4H_{10}O$	Methyl propyl ether	38.8	36.2	~18		563
1238	$C_4H_{10}O_2$	Acetaldehyde dimethyl acetal	64.3	<45.9			575
1239	$C_4H_{11}N$	Diethylamine	55.9	Nonazeotrope			531
1240	C_5H_6O	2-Methylfuran	63.8	Nonazeotrope			566
1241	C_5H_8	Isoprene	34.3	<34.15	<7		566
1242	C_5H_{10}	Cyclopentane	49.4	44.0	67		566
1243	C_5H_{10}	2-Methyl-2-butene	37.15	36.5	~17		563
1244	C_5H_{10}	3-Methyl-1-butene	20.6	Nonazeotrope			566
1245	$C_5H_{10}O$	Cyclopentanol	140.85	Nonazeotrope			575
1246	$C_5H_{10}O$	3-Methyl-2-butanone	95.4	Nonazeotrope			552
1247	$C_5H_{10}O$	2-Pentanone	102.35	Nonazeotrope			552
1248	$C_5H_{10}O$	3-Pentanone	102.05	Nonazeotrope			552
1249	$C_5H_{10}O_2$	Ethyl propionate	99.1	Nonazeotrope			566
1250	$C_5H_{10}O_2$	Isobutyl formate	98.2	Nonazeotrope			566
1251	$C_5H_{10}O_2$	Isopropyl acetate	89.5	Nonazeotrope			575
1252	$C_5H_{10}O_2$	Isovaleric acid	176.5	Vapor pressure data			563
1253	$C_5H_{10}O_2$	Propyl acetate	101.6	Nonazeotrope			566
1254	$C_5H_{11}NO_2$	Isoamyl nitrite	97.15	Nonazeotrope			527
1255	C_5H_{12}	2-Methylbutane	27.95	Nonazeotrope			538
1256	C_5H_{12}	Pentane	36.15	35.7	11		555
1257	$C_5H_{12}O$	Amyl alcohol	138.2	Nonazeotrope			566
1258	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	Nonazeotrope			527
1259	$C_5H_{12}O$	Ethyl propyl ether	63.85	Nonazeotrope			566
1260	$C_5H_{12}O$	Isoamyl alcohol	131.9	Nonazeotrope			527
1261	$C_5H_{12}O$	3-Methyl-2-butanol	112.9	Nonazeotrope			575
1262	$C_5H_{12}O$	2-Pentanol	119.8	Nonazeotrope			575
1263	$C_5H_{12}O$	3-Pentanol	116.0	Nonazeotrope			575
1264	$C_5H_{12}O_2$	Diethoxymethane	87.95	Nonazeotrope			566
1265	C_6H_6	Benzene	80.2	Nonazeotrope		v-l	89,834
1266	C_6H_8	1,3-Cyclohexadiene	80.4	Nonazeotrope			575
1267	C_6H_{10}	Cyclohexene	82.75	Nonazeotrope			566
1268	C_6H_{10}	Methylcyclopentene	75.85	Nonazeotrope			575
1269	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope			563
1270	C_6H_{12}	Methylcyclopentane	72.0	Nonazeotrope			566
1271	$C_6H_{12}O$	Pinacolone	106.2	Nonazeotrope			566
1272	$C_6H_{12}O$	4-Methyl-2-pentanone	116.05	Nonazeotrope			552
1273	C_6H_{14}	2,3-Dimethylbutane	58.0	<46.15	<97		566
1274	C_6H_{14}	Hexane	68.95	Nonazeotrope			563

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**CS_2**	**Carbon Disulfide** *(continued)*	**46.25**			
1275	$C_6H_{15}N$	Triethylamine	89.35	Nonazeotrope		575
1276	C_7H_8	Toluene	110.7	Nonazeotrope		563
1277	C_7H_{14}	Methylcyclohexane	101.15	Nonazeotrope		566
1278	C_7H_{16}	Heptane	98.45	Nonazeotrope		575
A =	**$CHBrCl_2$**	**Bromodichloromethane**	**90.2**			
1279	CH_2O_2	Formic acid	100.7	78.15	~76	563
1280	CH_3NO_2	Nitromethane	101.2	87.3	75	554
1281	CH_3NO_3	Methyl nitrate	64.8	Nonazeotrope		560
1282	CH_4O	Methanol	64.7	63.8	60	563
1283	C_2HCl_3	Trichloroethylene	86.9	Nonazeotrope		549
		"	86.95	86.7	22	528
1284	C_2HCl_3O	Chloral	97.75	90.1	97.5	572
1285	$C_2H_4O_2$	Acetic acid	118.5	Nonazeotrope		563
1286	C_2H_5BrO	2-Bromoethanol	150.2	Nonazeotrope		575
1287	C_2H_5ClO	2-Chloroethanol	128.6	Nonazeotrope		564
1288	$C_2H_5NO_2$	Nitroethane	114.2	Nonazeotrope		554
1289	$C_2H_5NO_3$	Ethyl nitrate	90.1	86.85	35	527
1290	C_2H_6O	Ethyl alcohol	78.3	75.5	72	563
1291	$C_2H_6O_2$	Glycol	197.4	Nonazeotrope		573
1292	C_3H_6O	Acetone	56.15	Nonazeotrope		552
1293	C_3H_6O	Allyl alcohol	96.95	85.85	82.5	563,875
1294	$C_3H_6O_3$	Methyl carbonate	90.35	91.95	64.5	572
1295	C_3H_7ClO	1-Chloro-2-propanol	127.0	Nonazeotrope		575
1296	C_3H_7I	2-Iodopropane	89.45	90.7	<50	549
1297	C_3H_8O	Isopropyl alcohol	82.45	79.4	62	572
1298	C_3H_8O	Propyl alcohol	97.2	86.4	80.5	563
1299	$C_3H_9BO_3$	Methyl borate	68.7	Nonazeotrope		547
1300	C_4H_8O	2-Butanone	79.6	90.85	89.5	569
1301	$C_4H_8O_2$	Ethyl acetate	77.1	90.55	88	572
1302	$C_4H_8O_2$	Methyl propionate	79.85	91.2	~85	538
1303	$C_4H_8O_2$	Propyl formate	80.85	90.9	82	573
1304	C_4H_9Br	2-Bromobutane	91.2	91.65	45	562
1305	C_4H_9Br	1-Bromo-2-methylpropane	91.4	91.8	45	549
1306	$C_4H_9NO_2$	Butyl nitrite	78.2	Nonazeotrope		550
1307	$C_4H_{10}O$	Butyl alcohol	117.75	Nonazeotrope		527
1308	$C_4H_{10}O$	*sec*-Butyl alcohol	99.6	87.5		563
1309	$C_4H_{10}O$	*tert*-Butyl alcohol	82.55	79.0	~65	532
1310	$C_4H_{10}O$	Isobutyl alcohol	108	89.3	89	563
1311	$C_4H_{10}O_2$	Acetaldehyde dimethyl acetal	64.3	Nonazeotrope		559
1312	$C_4H_{10}S$	Ethyl sulfide	92.2	96.7	~58	531
1313	$C_5H_{10}O$	3-Methyl-2-butanone	95.4	97.2	50	552
1314	$C_5H_{10}O$	2-Pentanone	102.35	102.85	35	552
1315	$C_5H_{10}O$	3-Pentanone	102.05	102.65	36	552
1316	$C_5H_{10}O_2$	Butyl formate	106.7	Nonazeotrope		547
1317	$C_5H_{10}O_2$	Ethyl propionate	99.15	100.6	35	538

In Azeotropic Data—III; Horsley, L.;
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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$CHBrCl_2$**	**Bromodichloromethane**	**90.2**			
		(continued)				
1318	$C_5H_{10}O_2$	Isobutyl formate	97.9	98.7	40	573
1319	$C_5H_{10}O_2$	Isopropyl acetate	90.8	96.0	55	547
1320	$C_5H_{10}O_2$	Methyl butyrate	102.65	103.5	25	538
1321	$C_5H_{10}O_2$	Methyl isobutyrate	92.3	93.8	58	573
1322	$C_5H_{10}O_2$	Propyl acetate	101.6	102.3	29.5	572
1323	$C_5H_{11}NO_2$	Isoamyl nitrite	97.15	Nonazeotrope		550
1324	$C_5H_{12}O$	*tert*-Amyl alcohol	102.0	~88.8	~92	535
1325	$C_5H_{12}O$	3-Methyl-2-butanol	112.6	Nonazeotrope		575
1326	$C_6H_{12}O_2$	Diethoxymethane	87.9	94.05	74	568
1327	C_6H_6	Benzene	80.2	Nonazeotrope		528
1328	C_6H_{10}	Cyclohexene	82.75	82		563
1329	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope		575
1330	C_6H_{12}	Methylcyclopentane	72.0	Nonazeotrope		575
1331	$C_6H_{12}O$	4-Methyl-2-pentanone	116.05	Nonazeotrope		527
1332	$C_6H_{12}O$	Pinacolone	106.2	Nonazeotrope		552
1333	C_6H_{14}	Hexane	68.8	Nonazeotrope		575
1334	$C_6H_{14}O$	Propyl ether	90.55	97.0	54	559
1335	$C_6H_{14}O_2$	Acetal	103.55	Nonazeotrope		572
1336	C_7H_{14}	Methylcyclohexane	101.15	Nonazeotrope		575
1337	C_7H_{16}	Heptane	98.4	<90.0		575
A =	**$CHBr_3$**	**Bromoform**	**149.5**			
1338	CH_2O_2	Formic acid	100.75	97.4	52	568
1339	$C_2H_2Cl_4$	1,1,2,2-Tetrachloroethane	146.2	145.5	45	549
1340	$C_2H_3BrO_2$	Bromoacetic acid	205.1	Nonazeotrope		575
1341	$C_2H_3ClO_2$	Chloroacetic acid	189.35	148.5	96.9	564
1342	$C_2H_4Br_2$	1,2-Dibromoethane	129.8	Nonazeotrope, b.p. curve		388,563
1343	$C_2H_4Cl_2O$	2,2-Dichloroethanol	146.2	<143.0	<55	575
1344	$C_2H_4O_2$	Acetic acid	118.5	118.3	18	542
1345	C_2H_5ClO	2-Chloroethanol	128.6	127.4	46	564
1346	C_2H_5NO	Acetamide	221.15	Nonazeotrope		527
		"	221.2	149	98	535
1347	$C_2H_6O_2$	Glycol	197.4	146.75	~93.5	532
1348	C_2H_7NO	2-Aminoethanol	170.8	Reacts		527
1349	$C_3H_5ClO_2$	Methyl chloroacetate	130.0	Nonazeotrope		532
1350	$C_3H_6Cl_2O$	1,3-Dichloro-2-propanol	175.8	Nonazeotrope		575
1351	C_3H_6O	Allyl alcohol	96.95	Nonazeotrope		532
1352	$C_3H_6O_2$	Propionic acid	140.9	138.0	63	527
1353	C_3H_7ClO	1-Chloro-2-propanol	127.0	Nonazeotrope		575
1354	C_3H_7NO	Propionamide	222.2	Nonazeotrope		527
1355	$C_3H_7NO_2$	Ethyl carbamate	185.25	149.25	97.5	564
1356	C_3H_8O	Propyl alcohol	97.2	Nonazeotrope		532
1357	$C_3H_8O_2$	2-Methoxyethanol	124.5	Nonazeotrope		526
1358	$C_4H_6O_4$	Methyl oxalate	164.45	Nonazeotrope		575
1359	$C_4H_7BrO_2$	Ethyl bromoacetate	~158.2	Nonazeotrope		538
1360	$C_4H_7ClO_2$	Ethyl chloroacetate	143.55	143.52	4	527
1361	$C_4H_7Cl_3O$	Ethyl 1,1,2-trichloroethyl ether	172.5	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	$CHBr_3$	**Bromoform** *(continued)*	**149.5**			
1362	$C_4H_8Cl_2O$	Bis(2-chloroethyl) ether	178.65	Nonazeotrope		527
1363	$C_4H_8Cl_2O$	1,2-Dichloroethyl ethyl ether	145.5	151.3	91	575
1364	$C_4H_8O_2$	Butyric acid	162.45	146.8	93.2	389,526
1365	$C_4H_8O_2$	Isobutyric acid	154.35	145.5	81	541
1366	$C_4H_8O_3$	Methyl lactate	144.8	~152		563
1367	C_4H_9I	1-Iodo-2-methylpropane	120.4	Nonazeotrope		389
1368	$C_4H_{10}O$	Butyl alcohol	117.75	Nonazeotrope		527
1369	$C_4H_{10}O$	Isobutyl alcohol	107.85	Nonazeotrope		532
1370	$C_4H_{10}O_2$	2-Ethoxyethanol	135.3	Nonazeotrope		556
1371	$C_5H_4O_2$	2-Furaldehyde	161.45	Nonazeotrope		527
1372	$C_5H_9ClO_2$	Propyl chloroacetate	162.5	Nonazeotrope		575
1373	$C_5H_{10}O_2$	Isovaleric acid	176.5	148.7	96	527
		"	176.5	Nonazeotrope		542
1374	$C_5H_{10}O_2$	Valeric acid	186.35	Nonazeotrope		575
1375	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	Nonazeotrope		531
1376	$C_5H_{11}NO_3$	Isoamyl nitrate	149.75	144.8	57	560
1377	$C_5H_{12}O$	Isoamyl alcohol	129	Nonazeotrope		389
		"	130.8	131.35	43	527
1378	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	147.15	84	527
1379	C_6H_5Br	Bromobenzene	156.1	Nonazeotrope		549
1380	C_6H_5Cl	Chlorobenzene	131.75	Nonazeotrope		575
1381	C_6H_5ClO	*o*-Chlorophenol	176.8	Nonazeotrope		575
1382	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope		554
1383	C_6H_6O	Phenol	182.2	Nonazeotrope		542
1384	C_6H_7N	Aniline	184.35	Nonazeotrope		575
1385	$C_6H_{10}O$	Cyclohexanone	155.6	158.5	~52	573
1386	$C_6H_{10}O$	Mesityl oxide	129.45	Nonazeotrope		527
1387	$C_6H_{10}O_4$	Ethylidene diacetate	168.5	Nonazeotrope		527
1388	$C_6H_{10}S$	Allyl sulfide	139.35	>150.5		566
1389	$C_6H_{12}O$	Cyclohexanol	160.7	Nonazeotrope		532
		"		149.5?	95?	545
1390	$C_6H_{14}O$	Hexyl alcohol	157.85	147.7	86	542
1391	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	Nonazeotrope		556
1392	$C_6H_{14}S$	Propyl sulfide	140.8	151.5	90	555
1393	C_7H_8	Toluene	110.65	Nonazeotrope		563
1394	C_7H_8O	Anisole	153.85	Nonazeotrope		563
1395	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope		575
1396	$C_7H_{14}O$	4-Heptanone	143.55	151.0	77	552
1397	$C_6H_{14}O$	3-Methylcyclohexanol	168.5	Nonazeotrope		575
1398	$C_7H_{14}O_2$	Amyl acetate	148.8	>154.0	<65	562
1399	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	Nonazeotrope		547
1400	$C_7H_{14}O_2$	Ethyl valerate	145.45	>152.7		575
1401	$C_7H_{14}O_2$	Isoamyl acetate	142.1	150.2	82	389,573
1402	$C_7H_{14}O_2$	Isobutyl propionate	137.5	150.0		575
1403	$C_7H_{16}O$	Heptyl alcohol	176.15	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$CHBr_3$**	**Bromoform** *(continued)*	**149.5**				
1404	$C_7H_{16}O_3$	Ethyl orthoformate	145.75	Nonazeotrope			559
1405	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			575
1406	C_8H_{10}	*m*-Xylene	139.0	Nonazeotrope			538
1407	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope			559
1408	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope			557
1409	$C_8H_{16}O_2$	Isoamyl propionate	160.7	>161.0	>18		575
1410	$C_8H_{16}O_2$	Isobutyl butyrate	156.8	157.7	35		573
1411	$C_8H_{16}O_2$	Isobutyl isobutyrate	147.3	151	75		573
1412	$C_8H_{18}O$	Butyl ether	142.2	Nonazeotrope			548
1413	$C_8H_{18}O$	Isobutyl ether	122.3	Nonazeotrope			559
1414	C_9H_{12}	Propylbenzene	158.9	Nonazeotrope			538
1415	$C_{10}H_{16}$	Camphene	159.6	~ 148.5	~ 95		535
1416	$C_{10}H_{16}$	α-Pinene	155.8	146.5	75		528
1417	$C_{10}H_{16}$	Nopinene	163.8	<149.0	>91		575
1418	$C_{10}H_{22}$	2,7-Dimethyloctane	160.25	Nonazeotrope			573
A =	**$CHClF_2$**	**Chlorodifluoromethane**	**— 40.8**				
1419	C_2ClF_5	Chloropentafluoroethane	— 38.5	— 45.6	48.7		47
1420	$C_2H_2Cl_2F_2$	1,2-Dichloro-1,2-difluoroethane, 755 mm.	29.8	— 41.4	87.6		266
1421	C_3F_6	Hexafluoropropene, 2059 mm.	— 6.1	— 17.3	69.7		1019
		" 9.6 atm.		20	77		615
		"		Min. b.p.			954f
1422	C_3F_8	Perfluoropropane, 6.064 atm.	12.5	0	46		745
1423	C_3H_8	Propane, 86.2 p.s.i.a.		0	68		794
		" 6.002 atm.	8.6	0	68.3		745
1424	C_4F_8	Perfluorocyclobutane, 2059 mm.	21.0	Nonazeotrope			1019
				Min. b.p.			922
A =	**$CHCl_2F$**	**Dichlorofluoromethane 7.63/723 mm.**					
1425	$C_2Cl_2F_4$	1,2-Dichloro-1,1,2,2-tetrafluoroethane, 723 mm.	2.22	0.00	25		745
A =	**$CHCl_3$**	**Chloroform**	**61.2**				
1426	CH_2Cl_2	Dichloromethane	41.5	Nonazeotrope			261
1427	CH_2O_2	Formic acid	100.7	59.15	85		537
		"	100.75			v-l	171
1428	CH_3I	Iodomethane	42.5	Nonazeotrope			575
1429	CH_3NO_2	Nitromethane	101.15	Nonazeotrope			548

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$CHCl_3$**	**Chloroform** *(continued)*	**61.2**				
1430	CH_4O	Methanol	64.7	53.43	87.4	v-l	679,978
		"		20	91.7		371,464
		"		35	89.7		563,
		"		49	87.8		834
		"	64.7			v-l	110
		" 400 mm.		36.3	88.9	v-l	687
		" 500 mm.		41.6	88.4	v-l	687
		" 600 mm.		46.2	87.9	v-l	687
1431	C_2Cl_4	Tetrachloroethylene	121.1	Nonazeotrope		v-l	187
1432	$C_2H_3Cl_3O_2$	Chloral hydrate	97.5	Nonazeotrope			563
1433	C_2H_3N	Acetonitrile	81.6	Nonazeotrope		v-l	635c,981
1433a	C_2H_3NO	Methylisocyanate	37.9	Nonazeotrope		v-l	931c
1434	$C_2H_4Cl_2$	1,1-Dichloroethane	57.3			v-l	435
1435	$C_2H_4Cl_2$	1,2-Dichloroethane	83.28	Nonazeotrope		v-l	463
1436	$C_2H_4Cl_2O$	Bis(chloromethyl) ether	59.15	>63.9	<80		575
1437	$C_2H_4O_2$	Acetic acid	118.1	Nonazeotrope			575
		"	118.1	Nonazeotrope		v-l	171
1438	$C_2H_4O_2$	Methyl formate	31.9	Nonazeotrope			563
1439	C_2H_5Br	Bromoethane	38.4	Nonazeotrope			834
1440	C_2H_5Cl	Chloroethane	13.3	Nonazeotrope			563
1441	C_2H_5I	Iodoethane	72.3	Nonazeotrope			834
1442	C_2H_6O	Ethyl alcohol	78.3	59.35	93		1000
		"		35	95.9	v-l	371,834
		"		45	94.8	v-l	846,
		"		55	93.7	v-l	960
		" 20 p.s.i.g.	101.7	82	89		982
1443	C_3H_6O	Acetone, 101 mm.		15	74.3		815
		" 129 mm.		20	75.0		815
		" 202 mm.		30	76.1		815
		" 250 mm.		35	76.3		815
		" 308 mm.		40	76.7		815
		" 455 mm.		50	77.1		815
		" 546 mm.		55	77.3		815
		"	56.5	64.4	78.1		498
		" 547 mm.		55	78.0	v-l	498
		" 380 mm.		45	77.9	v-l	498
		" 251 mm.		35	77.8	v-l	498
		"	56.10	64.43	78.5	v-l	802
				64-65	80		282,371 803,834,903 960,978
1444	C_3H_6O	Allyl alcohol	96.95	Nonazeotrope			563
1445	C_3H_6O	Propionaldehyde	50	Max. b.p.			262
1446	C_3H_6O	Propylene oxide	35	Nonazeotrope			262
1447	$C_3H_6O_2$	Ethyl formate	54.15	62.7	87		563,579,720
1448	$C_3H_6O_2$	Methyl acetate	57.1	64.74	64.35	v-l	110,579
		"	57.05	64.8	77		563

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	$CHCl_3$	**Chloroform** *(continued)*	**61.2**				
		Methyl acetate	**57**	64-65	78		834,903
		"		20	52.9		814
		"		40	50.3		814
		"		63.3	46.6		814
1449	C_3H_7Br	1-Bromopropane	71.0	Nonazeotrope			549
1450	C_3H_7Br	2-Bromopropane	59.4	62.2	65		570,579,720
1451	$C_3H_7NO_2$	Isopropyl nitrite	40.1	Nonazeotrope			550
1452	$C_3H_7NO_2$	Propyl nitrite	47.75	Nonazeotrope			550
1453	C_3H_8O	Isopropyl alcohol	82.45	Nonazeotrope			834
		"	82.45	60.8	95.5		563
		"	82.5	Nonazeotrope		v-l	680
1454	C_3H_8O	Propyl alcohol	97.2	Nonazeotrope			563
1455	$C_3H_8O_2$	Methylal	42.3	61.8	92.5		262,527
1456	C_3H_8S	Ethyl methyl sulfide 700 mm.	64.0	66.6	52.3	v-l	635
1457	C_3H_8S	Propanethiol	67.5	Nonazeotrope			563
1458	$C_3H_9BO_3$	Methyl borate	68.7	> 70			575
1459	C_3H_9SiCl	Chlorotrimethylsilane	57.5	Nonazeotrope			844
1460	C_4H_8O	2-Butanone	79.6	Nonazeotrope			527,1025
		"	79.6	Nonazeotrope		v-l	492,501
		"	79.6	79.9	17		981
1461	C_4H_8O	Butyraldehyde	76	Max. b.p.			262
		"	76	Nonazeotrope			575
1462	C_4H_8O	Isobutyraldehyde	63	Max. b.p.			262
		"	63	Nonazeotrope			575
1463	C_4H_8O	Isobutylene oxide	50	Max. b.p.			262
1464	C_4H_8O	Tetrahydrofuran	66	72.5	65.5		224
1465	$C_4H_8O_2$	Dioxane	101	Nonazeotrope			262
1466	$C_4H_8O_2$	Ethyl acetate	76	Nonazeotrope			834
		"	77.1	77.8	28.1		679
1467	$C_4H_8O_2$	Isopropyl formate	68.8	70.0	>14		562
		"	68.8	70	13		579
1468	$C_4H_8O_2$	Methyl propionate	79.85	Nonazeotrope			575
1469	$C_4H_8O_2$	Propyl formate	80.85	Nonazeotrope			575
1470	$C_4H_9NO_2$	Butyl nitrite	78.2	Nonazeotrope			550
1471	$C_4H_9NO_2$	Isobutyl nitrite	67.1	Nonazeotrope			550
1472	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	Nonazeotrope			575
1473	$C_4H_{10}O$	*tert*-Butyl alcohol	82.55	Nonazeotrope			531,581c
1474	$C_4H_{10}O$	Ethyl ether	35	Nonazeotrope			262,834
		"	34.5	Nonazeotrope		v-l	481
1475	$C_4H_{10}O$	Isobutyl alcohol	108.0	Nonazeotrope			575
1476	$C_4H_{10}O$	Methyl propyl ether	38.9	Nonazeotrope			559
1477	$C_4H_{10}O_2$	Ethoxymethoxymethane	65.9	> 67.5	20		559
1478	$C_4H_{10}O_2$	Acetaldehyde dimethyl acetal	64.3	67.2	32		559
1479	$C_4H_{10}S$	Ethyl sulfide	92.2	Nonazeotrope			531

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$CHCl_3$**	**Chloroform** *(continued)*	**61.2**				
1480	$C_5H_4O_2$	Furfuraldehyde	162	Nonazeotrope		v-l	2
1480a	C_5H_5N	Pyridine 50°–63.5°C.		Nonazeotrope		v-l	274c
1481	C_5H_{10}	2-Methyl-2-butene	37.15	Nonazeotrope			563
1481a	$C_5H_{10}O$	2-Methyl-3-buten-2-ol	97.0	Nonazeotrope			581c
1482	C_5H_{12}	Pentane	36.15	Nonazeotrope			563
1483	$C_5H_{12}O$	Ethyl propyl ether	63.85	> 69.0	>35		559
		" 400 mm.	44.6	49.05	58	v-l	148f
		" 650 mm.	58.2	62.45	56	v-l	148f
		" 698 mm.	60.6	64.6	54.7	v-l	635
1484	C_6H_5Cl	Chlorobenzene	131.8	Nonazeotrope			563
1485	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope			554
1486	C_6H_6	Benzene	79.90	Nonazeotrope,		v-l	262, 646,802,834,978
1487	C_6H_8	1,3-Cyclohexadiene	80.8	Nonazeotrope			563
1488	C_6H_{10}	Biallyl	60.2	~ 55			563
1489	C_6H_{10}	Cyclohexene	82.75	Nonazeotrope			563
1490	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope			563
1491	C_6H_{12}	Methylcyclopentane	72.0	60.5	80		575
		"	71.9	Azeotropic			929
1492	$C_6H_{12}O$	4-Methyl-2-pentanone	115.9	Nonazeotrope		v-l	438
1493	$C_6H_{12}O_2$	Butyl acetate	126.2	Nonazeotrope		v-l	186
1494	C_6H_{14}	2,3-Dimethylbutane	58.0	55.5	47		562
		"		55.5	55.3		638c
		"	58.0	56	~53	v-l	1026c
1495	C_6H_{14}	Hexane	68.7	60.4	83.5	v-l	498
		" 637 mm.		55	82.6	v-l	498
		" 454 mm.		45	82.3	v-l	498
		" 310 mm.		35	82.1	v-l	498
		"	68.95	59.95	72		563
1495a	$C_6H_{14}O$	Butyl ethyl ether 250 mm.	59.0	Nonazeotrope		v-l	148f
		" 650 mm.	86.6	Nonazeotrope		v-l	148f
1496	$C_6H_{14}O$	Isopropyl ether	68	70.5	36	v-l	261,262
		" 246 mm.	36.5	39.6	44	v-l	148f
		" 577 mm.	59.3	61.5	44	v-l	148f
1496a	$C_6H_{14}O$	Propyl ether 400 mm.	70	Nonazeotrope		v-l	148f
		" 650 mm.	84	Nonazeotrope		v-l	148f
1497	$C_6H_{15}N$	Triethylamine	89	Nonazeotrope			262
1498	C_7H_8	Toluene	110.65	Nonazeotrope			563
1499	C_7H_{14}	Methylcyclohexane	101.15	Nonazeotrope			575
1500	C_7H_{16}	Heptane	98.45				563
1501	C_8H_{18}	2,5-Dimethylhexane	109.4	Nonazeotrope			575
1501a	$C_8H_{18}O$	Butyl ether 390 mm.	118.4	Nonazeotrope		v-l	148f
		" 650 mm.	132.0	Nonazeotrope		v-l	148f
1502	$C_9H_{10}O_2$	Ethyl benzoate	213.3	Nonazeotrope			981
A =	**CHF_3**	**Fluoroform**					
1503	C_2H_6	Ethane	— 88	— 96	58		120

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**CH_2ClBr**	**Bromochloromethane**	**69**			
1504	CH_2Cl_2	Dichloromethane	40.7	Nonazeotrope		266
A =	**CH_2Br_2**	Dibromomethane	97.0			
1505	CH_4O	Methanol	64.65	64.25	52	575
		"	64.7	Azeotrope doubtful		563
1506	$C_2H_4O_2$	Acetic acid	118.1	94.8	84	562
1507	C_2H_5ClO	2-Chloroethanol	128.6	Nonazeotrope		575
1508	$C_2H_5NO_3$	Ethyl nitrate	87.7	Nonazeotrope		560
1509	C_2H_6O	Ethyl alcohol	78.3	76	62	573
1510	C_3H_6O	Allyl alcohol	96.95	~ 86.5	~80	563
1511	$C_3H_6O_2$	Propionic acid	141.3	Nonazeotrope		575
1512	$C_3H_6O_3$	Methyl carbonate	90.35	Nonazeotrope		547
1513	C_3H_7ClO	1-Chloro-2-propanol	127.0	Nonazeotrope		575
1514	C_3H_8O	Isopropyl alcohol	82.4	< 81.0	>32	575
1515	C_3H_8O	Propyl alcohol	97.2	< 90.5	>74	567
1516	C_4H_9Br	1-Bromobutane	101.5	Nonazeotrope		575
1517	C_4H_9ClO	2-Chloroethyl ethyl ether	98.5	< 96.0	<72	575
1518	$C_4H_{10}O$	Isobutyl alcohol	108.0	94.8	82	567
1519	$C_4H_{10}S$	Butanethiol	97.5	< 95.5	<72	575
1520	$C_5H_{10}O$	3-Methyl-2-butanone	95.4	98.0	70	552
1521	$C_5H_{10}O$	2-Pentanone	102.35	Nonazeotrope		552
1522	$C_5H_{10}O$	3-Pentanone	102.05	Nonazeotrope		552
1523	$C_5H_{10}O_2$	Isopropyl acetate	90.8	Nonazeotrope		547
1524	$C_5H_{10}O_2$	Methyl isobutyrate	92.3	92		547
1525	$C_5H_{10}O_2$	Propyl acetate	101.6	Nonazeotrope		547
1526	$C_5H_{11}NO_2$	Isoamyl nitrite	97.15	96.5		550
1527	$C_5H_{12}O$	Isoamyl alcohol	131.9	Nonazeotrope		575
1528	$C_5H_{12}O_2$	Diethoxymethane	87.95	Nonazeotrope		527
1529	C_6H_6	Benzene	80.15	Nonazeotrope		575
1530	$C_6H_{14}O$	Propyl ether	90.1	Nonazeotrope		559
1531	$C_6H_{14}O_2$	Acetal	103.55	Nonazeotrope		559
1532	C_7H_8	Toluene	110.75	Nonazeotrope		575
1533	C_7H_{14}	Methylcyclohexane	101.15	< 96.4	<75	575
1534	C_7H_{16}	Heptane	98.4	< 95.5	>58	562
A =	**CH_2ClF**	**Chlorofluoromethane**				
1534a	$C_2Cl_2F_4$	1,1-Dichlorotetrafluoroethane 45 p.s.i.a.		18	55	885c
A =	**CH_2ClNO_2**	**Chloronitromethane**	**122.5**			
1535	C_2Cl_4	Tetrachloroethylene	121.1	115.2	45	562
1536	C_5H_5N	Pyridine	115.4	Nonazeotrope		553
1537	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	115.5	40	562
1538	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.4	Nonazeotrope		575
1539	$C_6H_{14}S$	Isopropyl sulfide	120.5	<119.7	20	554
1540	C_7H_8	Toluene	110.75	Nonazeotrope		575
1541	C_8H_{18}	Octane	125.75	<121.0	<80	575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**CH_2Cl_2**	**Dichloromethane**	**40.0**				
1542	CH_3I	1-Iodomethane	42.5	39.8	79		527
1543	CH_3NO_3	Methyl nitrate	64.8	Nonazeotrope			527
1544	CH_4O	Methanol	64.65	37.8	92.7		261,527
1545	$C_2Cl_3F_3$	1,1,2-Trichlorotrifluoroethane	47.6	37	48		75
1546	C_2H_3N	Acetonitrile	81.6	Nonazeotrope			565
1547	C_2H_4O	Acetaldehyde	20.65	Nonazeotrope			575
1548	$C_2H_4O_2$	Methyl formate	32	Nonazeotrope			262
			31.9	~ 30.8	~20		563
1549	C_2H_5Br	1-Bromoethane	38.4	38.1	20		549
1550	C_2H_5ClO	Chloromethyl methyl ether	59.15	Nonazeotrope			835
1551	C_2H_6O	Ethyl alcohol	78.3	< 39.85	>95		527
		" 680 mm.		Nonazeotrope		v-l	434f
1552	C_2H_6S	Ethanethiol	36.2	Nonazeotrope			563
1553	C_3H_6O	Acetone	56.	Nonazeotrope			261,262
		" 680 mm.		Nonazeotrope		v-l	434f
1554	C_3H_6O	Propionaldehyde	50	Max. b.p.			262
			50	Nonazeotrope			575
1555	C_3H_6O	Propylene oxide	34.1	40.6	77		262,559
1556	$C_3H_6O_2$	Ethyl formate	54	Nonazeotrope			262
		"	54.15	41	92		547
1557	$C_3H_6O_2$	Methyl acetate	57.0	Nonazeotrope			527
1558	$C_3H_6O_3$	Trioxane	114.5			v-l	866
1559	$C_3H_7NO_2$	Isopropyl nitrite	40.1	39.45	53		527
1560	$C_3H_7NO_2$	Propyl nitrite	47.75	Nonazeotrope			527
1561	C_3H_8O	Isopropyl alcohol	82.4	Nonazeotrope			527
1562	$C_3H_8O_2$	Methylal	42.3	45.0	41		262,559
1563	C_4H_4O	Furan	31.7	Nonazeotrope			527
1563a	C_4H_6	1,3-Butadiene	—4.6	Nonazeotrope		v-l	1030c
1564	C_4H_8O	2-Butanone	79.6	Nonazeotrope		v-l	620
1565	C_4H_8O	Isobutylene oxide	50	Max. b.p.			262
1566	$C_4H_{10}O$	Ethyl ether	34.6	40.8	70		262,527
		"	34.6	40.2	68	v-l	996
1567	$C_4H_{10}O$	Methyl propyl ether	38.9	44.8	57		527
1568	C_5H_{10}	Cyclopentane	49.3	38.0	70		527
1569	C_5H_{10}	2-Methyl-2-butene	37.1	< 36.5	< 52		527
1570	C_5H_{12}	2-Methylbutane	27.95	26.0	27		527
1571	C_5H_{12}	Pentane	36.15	< 35.5	<49		575
1572	C_6H_{12}	Methylcyclopentane	72.0	Nonazeotrope			527
1573	C_6H_{14}	2,2-Dimethylbutane, 742 mm.	49.74	35.6	53 vol. %		692
		"	49.7	Min. b. p.			59
1574	C_6H_{14}	2,3-Dimethylbutane	58	Min. b. p.			59
		"	58	39.0	83		527
1575	C_6H_{14}	Hexane	68.8	Nonazeotrope			527
A =	**CH_2I_2**	**Diiodomethane**	**181**				
1576	$C_2H_4O_2$	Acetic acid	118.1	Nonazeotrope			565

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**CH_2I_2**	**Diiodomethane** *(continued)*	**181**				
1577	$C_2H_6O_2$	Glycol	197.4	168.7	86		569
1578	C_2H_7NO	2-Aminoethanol	170.8	Reacts			527
1579	$C_3H_6O_2$	Propionic acid	141.3	140.65	27		527
1580	$C_3H_7NO_2$	Ethyl carbamate	185.25	169.35	75		527
1581	$C_4H_8O_2$	Butyric acid	164.0	159.1	60		569
1582	$C_4H_8O_2$	Isobutyric acid	154.6	151.8	47		527
1583	$C_4H_{10}O_2$	2-Ethoxyethanol	135.3	Nonazeotrope			575
1584	$C_5H_6O_2$	Furfuryl alcohol	169.35	165.8	55		565
1585	$C_5H_{10}O_2$	Isovaleric acid	176.5	168.5	75		565
1586	$C_5H_{12}O$	Isoamyl alcohol	131.9	Nonazeotrope			565
1587	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	Nonazeotrope			575
1588	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.4	171.3	48		549
1589	C_6H_5Br	Bromobenzene	156.1	Nonazeotrope			565
1590	$C_6H_{10}O_4$	Ethylidene diacetate	168.5	164.15	44		569
1591	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope			575
1592	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	167.15	58		527
1593	C_7H_7Cl	*o*-Chlorotoluene	159.2	Nonazeotrope			565
1594	$C_7H_{14}O_2$	Butyl propionate	146.8	Nonazeotrope			565
1595	$C_7H_{16}O$	Hepyl alcohol	176.15	169.8	62		527
1596	C_8H_{16}	*m*-Xylene	139.2	Nonazeotrope			575
1597	$C_8H_{16}O_2$	Butyl butyrate	166.4	164.0	38		565
1598	$C_8H_{16}O_2$	Isoamyl propionate	160.7	159.5	22		565
1599	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	174.0	72		565
1600	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	167.9	52		565
1601	$C_{10}H_{18}O$	Cineole	176.35	169.6	60		559
1602	$C_{10}H_{22}O$	Isoamyl ether	173.2	166.5	55		559
A =	**CH_2O_2**	**Formic Acid**	**100.75**				
1603	CH_3I	Iodomethane	42.6	42.1	6		527,541
1604	CH_3NO_2	Nitromethane	101.22	97.05	45.5		554
1605	C_2Cl_4	Tetrachloroethylene	121.1	88.15	50.0		538
1606	C_2HCl_3	Trichloroethylene	86.95	74.1	25		563
1607	C_2HCl_5	Pentachloroethane	161.95	Nonazeotrope			541
1608	$C_2H_2Cl_4$	1,1,2,2-Tetrachloroethane	146.25	99.25	68		538
1609	C_2H_3Br	Bromoethylene	15.8	Nonazeotrope			542
1609a	C_2H_3N	Acetonitrile	81.6	Nonazeotrope		v-l	635e
1610	$C_2H_4Br_2$	1,2-Dibromoethane	131.65	94.65	51.5		538
1611	$C_2H_4Cl_2$	1,1-Dichloroethane	57.25	56.0	5		542
1612	$C_2H_4Cl_2$	1,2-Dichloroethane	83.7	77.4	14		537
		"	83.7	77.02	25.77		112
1613	$C_2H_4O_2$	Acetic acid 50 mm.		Nonazeotrope		v-l	507e
		" 200 mm.		Nonazeotrope		v-l	507e
		"	118.1	Nonazeotrope,		v-l	11,26,171
1614	C_2H_5Br	Bromoethane	38.40	38.23	3		538
1615	C_2H_5Cl	Chloroethane	13.1	Nonazeotrope			541
1616	C_2H_5ClO	Chloromethyl methyl ether	59.5	Nonazeotrope			563
1617	C_2H_5I	Iodoethane	72.3	65.6	22		537

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**CH_2O_2**	**Formic Acid** *(continued)*	**100.75**				
1618	$C_2H_5NO_2$	Nitroethane	114.2	Nonazeotrope			554
1619	C_2H_6S	Methyl sulfide	37.4	Nonazeotrope			566
1620	C_3H_5Br	3-Bromopropene	70.5	64.5	~22		562
1621	C_3H_5Cl	2-Chloropropene	22.65	Nonazeotrope			575
1622	C_3H_5Cl	3-Chloropropene	45.7	45.0	7.5		542
1623	C_3H_5ClO	1-Chloro-2-propanone	119	Nonazeotrope			563
1624	C_3H_5ClO	Epichlorohydrin	116.45	Nonazeotrope			563
1625	C_3H_5I	3-Iodopropene	102	85	~35		563
1626	$C_3H_6Cl_2$	2,2-Dichloropropane	70.4	< 66.0	<25		575
1627	C_3H_6O	Acetone	56.15	Nonazeotrope			552
1628	$C_3H_6O_2$	Propionic acid	141.1	Nonazeotrope		v-l	26,507g
1629	C_3H_7Br	1-Bromopropane	71.0	64.7	27		537
1630	C_3H_7Br	2-Bromopropane	59.35	56.0	14		541
1631	C_3H_7Cl	1-Chloropropane	46.4	45.7	8		555
1632	C_3H_7Cl	2-Chloropropane	34.8	34.7	1.5		541
1633	C_3H_7I	1-Iodopropane	102.4	82	36		541
1634	C_3H_7I	2-Iodopropane	89.45	75.2	29		562
1635	C_3H_7NO	*N, N*-Dimethylformamide	153.0	153.2	1.2		832
		"		158.8			616
		" 100 mm.	90	98.5		v-l	616
		" 200 mm.	107.9	117.0		v-l	616
		" 760 mm.	153	158.8		v-l	616
		" 757 mm.	153	153.2	1.2		224
		" 50 mm.		85	33		224
1636	$C_3H_8O_2$	Methylal	42.15	Nonazeotrope			556
1637	C_3H_9N	Trimethylamine, azeotrope composition independent of pressure	3.5	179	~24.5		563
1638	C_4H_4S	Thiophene	84	Min. b.p.			1017
1639	C_4H_6O	Crotonaldehyde	102.15	~95			563
1640	C_4H_8O	2-Butanone	79.6	Nonazeotrope			526
1641	$C_4H_8O_2$	Butyric acid	163.5	Nonazeotrope			26
1642	$C_4H_8O_2$	Dioxane	101.35	113.35	43		556
1642a	$C_4H_8O_2$	Propyl formate	80.9	Nonazeotrope		v-l	8c
1643	C_4H_8S	Tetrahydrothiophene	118.8	< 94.5	<73		566
1644	C_4H_9Br	1-Bromobutane	101.5	81.4	35		562
1645	C_4H_9Br	1-Bromo-2-methylpropane	91.3	76.7	30		555
1646	C_4H_9Br	2-Bromo-2-methylpropane	73.3	66.2	22		541
1647	C_4H_9Cl	1-Chlorobutane	78.5	69.4	25		562
1648	C_4H_9Cl	1-Chloro-2-methylpropane	68.85	62.95	19		563
1649	C_4H_9Cl	2-Chloro-2-methylpropane	51.6	50.0	11.2		541
1650	C_4H_9I	1-Iodobutane	130.4	92.6	52		562
1651	C_4H_9I	1-Iodo-2-methylpropane	120.4	89.5	45		542
1652	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope			563
1653	$C_4H_{10}S$	Ethyl sulfide	92.2	82.2	35		555
1654	C_5H_5N	Pyridine	115.5	150-151	63.5		360,563
		"	115.5	107.43	61.4	v-l	1058

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**CH_2O_2**	**Formic Acid *(continued)***	**100.75**				
1655	C_5H_{10}	Cyclopentane	49.3	46.0	16		562
1656	C_5H_{10}	2-Methyl-2-butene	37.15	35.0	10.5		541
1657	C_5H_{10}	3-Methyl-1-butene	22.5	~ 22.2	~ 2		537
1658	$C_5H_{10}O$	3-Methyl-2-butanone	95.4	>102.15	<85		552
1659	$C_5H_{10}O$	2-Pentanone	102.35	105.5	32		552
1660	$C_5H_{10}O$	3-Pentanone	102.05	105.25	33		552
1660a	$C_6H_{10}O_2$	Butyl formate	106.6	99.7	38.4		8c
1661	$C_5H_{10}O_2$	Isobutyl formate	98.3	Nonazeotrope			1023
1661a	$C_6H_{10}O_2$	Valeric acid 50°–100°C.		Nonazeotrope		v-l	471c
1662	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.3	90.5	47		541
1663	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.4	80.0	33.5		542
1664	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	97.0	62		562
1665	C_5H_{12}	2-Methylbutane	27.95	27.2	4		537
1666	C_5H_{12}	Pentane	36.15	34.2	10		537
1667	$C_5H_{12}O$	Ethyl propyl ether	63.6	Azeotrope doubtful			563
1668	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.6	Nonazeotrope			542
1669	C_6H_5Br	Bromobenzene	156.1	98.1	68		568
1670	C_6H_5Cl	Chlorobenzene	131.75	93.7	59		568
1671	C_6H_5F	Fluorobenzene	84.9	73.0	27		562
1672	C_6H_6	Benzene	80.2	71.05	31		563
		" 521.4 mm.		60	30.69	v-l	979
		" 296.8 mm.		45	30.02	v-l	979
		" 157.7 mm.		30	29.35	v-l	979
1673	C_6H_7N	Aniline	184.35	Nonazeotrope			263
1674	C_6H_7N	2-Picoline	129	158	25		263
1675	C_6H_7N	3-Picoline, 200 mm.		100-125			174,810
		" 100 mm.		98-110			174,810
1676	C_6H_7N	4-Picoline, 200 mm.		100-175			174,810
		" 100 mm.		98-110			174,810
1677	C_6H_8	1,3-Cyclohexadiene	80.8	~ 71	30		563
1678	C_6H_{10}	Biallyl	60.2	~ 46			541
1679	C_6H_{10}	Cyclohexene	82.75	71.5	21		563
1680	$C_6H_{10}S$	Allyl sulfide	139.35	97.5	80		566
1681	C_6H_{12}	Cyclohexane	80.75	70.7	30		563
1682	C_6H_{12}	Methylcyclopentane	72.0	63.3	29		562
1683	$C_6H_{12}O$	Pinacolone	106.2	>107.1	<24		552
1684	C_6H_{14}	2,3-Dimethylbutane	58.0	52.5	22		542
1685	C_6H_{14}	Hexane	68.95	60.6	28		537
1686	$C_6H_{14}S$	Isopropyl sulfide	120.5	93.5	62		566
1687	$C_6H_{14}S$	Propyl sulfide	141.5	98.0	83		566
1688	C_7H_7Cl	*o*-Chlorotoluene	159.3	100.2	83		541
1689	C_7H_7Cl	*p*-Chlorotoluene	162.4	100.5	88		541
1690	C_7H_8	Toluene	110.7	85.8	50		563
1691	C_7H_9N	2,6-Lutidine, 200 mm.		100-125			174,810
		" 100 mm.		98-110			174,810

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**CH_2O_2**	**Formic Acid** *(continued)*	**100.75**			
1692	C_7H_{14}	Methylcyclohexane	101.1	80.2	46.5	541
1693	C_7H_{16}	*n*-Heptane	98.45	78.2	56.5	527,804
1694	C_8H_8	Styrene	145.8	95.75	73	17
1695	C_8H_{10}	Ethylbenzene	136.15	~ 94.0	68	541
		" 200 mm.		60	69	53
1696	C_8H_{10}	*m*-Xylene	139	92.8	71.8	526,803
1697	C_8H_{10}	*o*-Xylene	143.6	95.5	74	541
1698	C_8H_{10}	*p*-Xylene	138.4	~ 95	70.0	541
1699	$C_8H_{11}N$	Dimethylaniline	194.05	Nonazeotrope		563
1700	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	89.0	51	562
1701	C_8H_{18}	2,5-Dimethylhexane	109.4	83.2	48	562
1702	C_8H_{18}	Octane	125.8	90.5	63	541
1703	$C_8H_{18}O$	Butyl ether	141	Nonazeotrope		537
1704	C_9H_7N	Quinoline	237.3	Nonazeotrope		727
1705	C_9H_8	Indene	182.4	Nonazeotrope		543
1706	C_9H_{12}	Cumene	152.8	97.2	< 88	562
1707	C_9H_{12}	Mesitylene	164.6	< 99.7	< 96	575
1708	C_9H_{12}	Propylbenzene	159.3	< 98.8	< 93	575
1709	$C_{10}H_{16}$	Camphene	159.6	Nonazeotrope		538
1710	$C_{10}H_{16}$	*d*-Limonene	177.8	Nonazeotrope		538
1711	$C_{10}H_{16}$	Thymene	179.7	Reacts		542
1712	$C_{10}H_{22}$	2,7-Dimethyloctane	160.1	< 98.5	< 93	575
A =	**CH_3Br**	**Bromomethane**	**3.65**			
1713	CH_4O	Methanol	64.7	3.55	99.45	1025
1714	C_2H_4O	Acetaldehyde	20.2	Nonazeotrope		563
1715	$C_2H_4O_2$	Methyl formate	31.75	Nonazeotrope		547
1716	$C_2H_5NO_2$	Ethyl nitrite	17.4	Nonazeotrope		550
1717	$C_3H_7NO_2$	Isopropyl nitrite	40.1	Nonazeotrope		550
1718	C_4H_6	Butadiene	— 4.5	Nonazeotrope		215
1719	C_4H_8	1-Butene	— 6.5	Nonazeotrope		215
1720	C_4H_{10}	Butane	— 0.6	— 4.4	57.3	375
A =	**CH_3Cl**	**Chloromethane**	**— 23.7**			
1721	C_2H_6O	Methyl ether	— 23.65	Azeotropic		559
1722	C_4H_{10}	2-Methylpropane	— 10	Azeotropic		161
A =	**CH_3Cl_3Si**	**Trichloromethylsilane**	**66.8**			
1723	$C_2H_6SiCl_2$	Dichlorodimethylsilane 40-760 mm.		Nonazeotrope	v-l	229
1724	C_3H_9SiCl	Chlorotrimethylsilane	57.5	V.p. curves, Nonazeotrope		485
1724a	$C_4H_8Cl_2O$	Bis(2-chloroethyl) ether	178	Nonazeotrope		886c
A =	**CH_3I**	**Iodomethane**	**42.5**			
1725	CH_3NO_3	Methyl nitrate	64.8	Nonazeotrope		527
1726	CH_4O	Methanol	64.7	37.8	95.5	389.527
1727	$C_2H_4O_2$	Methyl formate	31.9	31	~ 17	563
1728	C_2H_6O	Ethyl alcohol	78.3	41.2	96.8	573

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**CH_3I**	**Iodomethane** *(continued)*	**42.5**				
1729	C_3H_6O	Acetone	56.15	42.4	95		527
1730	$C_3H_6O_2$	Ethyl formate	54.1	Nonazeotrope			538
		"	54.15	41.8			571c
1731	$C_3H_6O_2$	Methyl acetate	56.95	Nonazeotrope			527
1732	C_3H_7Cl	1-Chloropropane	46.65	42.1	85		562
1733	$C_3H_7NO_2$	Isopropyl nitrite	40.1	39.5	> 30		527
1734	C_3H_8O	Isopropyl alcohol	82.4	42.4	98.2		531
1735	C_3H_8O	Propyl alcohol	97.2	Nonazeotrope			371
1736	$C_3H_8O_2$	Methylal	42.2	39.45	57		527
1737	$C_4H_8O_2$	Ethyl acetate	77.1	Nonazeotrope			527
1738	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope			527
1739	$C_4H_{10}O$	Methyl propyl ether	38.8	Nonazeotrope			527
1740	$C_4H_{12}Si$	Tetramethylsilane	26.64	26.1	28.8		28
1741	C_5H_{10}	Cyclopentane	49.3	< 42.0	> 66		575
1742	C_5H_{10}	2-Methyl-2-butene	37.1	< 36.2	> 40		575
1743	C_5H_{10}	3-Methyl-1-butene	22.5	Azeotrope doubtful			563
1744	C_5H_{12}	2-Methylbutane	27.95	< 25.0	> 20		562
1745	C_5H_{12}	Pentane	36.2	< 33.8	> 38		527
1746	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope			554
1747	C_6H_{14}	Hexane	68.85	Nonazeotrope			527
A =	**CH_3NO_3**	**Methyl Nitrite**	**— 16**				
1748	C_4H_6	Butadiene	— 4.7	Nonazeotrope			642
1749	C_4H_8	1-Butene	— 6	— 16			642
1750	C_4H_8	2-Methylpropene	— 6	— 16			642
1751	C_4H_{10}	Butane	— 0.6	— 20			642
1752	C_4H_{10}	2-Methylpropane	— 11	— 20			642
A =	**CH_3NO_3**	**Nitromethane**	**101.2**				
1753	CH_4O	Methanol		64.4	9.1	v-l	684g
		"	64.51	64.33	12.2		806, 554
1754	C_2Cl_4	Tetrachloroethylene	121.1	95.0	80?		554
1755	C_2HCl_3	Trichloroethylene	86.2			v-l	1048
		"	86.9	81.4	20		554
1756	C_2HCl_3O	Chloral	97.75	93	35		572
1757	C_2H_3N	Acetonitrile, 60°C.		Nonazeotrope		v-l	91
		"	81.6	Nonazeotrope		v-l	635e
1758	$C_2H_4O_2$	Acetic acid	118.1	101.2	96		554
1759	C_2H_4S	Ethylene sulfide	55.7	Nonazeotrope			575
1760	C_2H_5ClO	2-Chloroethanol	128.6	Nonazeotrope			554
1761	C_2H_5I	Iodoethane	72.3	71.2	10		554
1762	$C_2H_5NO_3$	Ethyl nitrate	87.70	87.68	1.2		527
1763	C_2H_6O	Ethyl alcohol	78.3	75.95	26.8		554
		"	78.32	76.05	29.0		806
1764	$C_2H_6O_2$	Glycol	197.4	Nonazeotrope			576

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**CH_3NO_3**	**Nitromethane** *(continued)*	**101.2**				
1765	C_2H_6S	Ethanethiol	35.8	Nonazeotrope			554
1766	C_2H_6S	Methyl sulfide	37.4	Nonazeotrope			554
1767	C_2H_7NO	2-Aminoethanol	170.8	Nonazeotrope			575
1768	C_3H_5Br	3-Bromopropene	70.0	< 69.8	> 4		554
1769	C_3H_5I	3-Iodopropene	101.8	89.0			548,554
1770	C_3H_6O	Acetone, 45°C.		Nonazeotrope		v-l	91
1771	C_3H_6O	Allyl alcohol	96.85	89.3	43		554
1772	$C_3H_6O_2$	Propionic acid	141.3	Nonazeotrope			554
1773	C_3H_7Br	1-Bromopropane	71.0	70.6	7		554
1774	C_3H_7Br	2-Bromopropane	59.2	Nonazeotrope			548
1775	C_3H_7Cl	1-Chloropropane	46.4	Nonazeotrope			555
1776	C_3H_7ClO	1-Chloro-2-propanol	127.0	Nonazeotrope			554
1777	C_3H_7ClO	2-Chloro-1-propanol	133.7	Nonazeotrope			554
1778	C_3H_7I	1-Iodopropane	102.4	89.2	> 42		554
1779	C_3H_7I	2-Iodopropane	89.45	82.0	33		554
1780	$C_3H_7NO_3$	Propyl nitrate	110.5	100.2	75		554
1781	C_3H_8O	Isopropyl alcohol	82.0	79.3	28.2	v-l	156,857
		" "	82.40	79.33	27.6		806
1782	C_3H_8O	Propyl alcohol	97.25	Nonazeotrope		v-l	383
		"	97.15	89.09	48.4		806
		"	97.2	89.3	47.5		285,554
1783	C_3H_9SiCl	Chlorotrimethylsilane	57.7	Nonazeotrope			841
1783a	C_4H_6	1,3-Butadiene	—4.6	Nonazeotrope		v-l	1030c
1784	C_4H_6O	Crotonaldehyde	102.15	99			563
1785	C_4H_8O	2-Butanone	79.6	Nonazeotrope			552
1786	$C_4H_8O_2$	Dioxane	101.35	100.55	56.5		527
		" 722 mm.		98	30.7	v-l	912
		" 398 mm.		80	30.7	v-l	912
		" 103 mm.		46	30.7	v-l	912
		" 48 mm.		30	30.7	v-l	912
1787	$C_4H_8O_2$	Ethyl acetate	77.1	Nonazeotrope			554
1788	$C_4H_8O_2$	Methyl propionate	79.85				554,1038
1789	$C_4H_8O_2$	Propyl formate	80.85	Nonazeotrope			554
1790	C_4H_9Br	1-Bromobutane	101.5	90.0	50		554
1791	C_4H_9Br	1-Bromo-2-methylpropane	91.4	84.0	34		554
1792	C_4H_9Br	2-Bromo-2-methylpropane	73.25	72.2	9		554
1793	C_4H_9Cl	1-Chlorobutane	78.5	75.5	16		554
1794	C_4H_9Cl	1-Chloro-2-methylpropane	68.85	68.35	6		554
1795	C_4H_9I	1-Iodobutane	130.4	99.8	~90		548,554
1796	C_4H_9I	1-Iodo-2-methylpropane	120.8	96.7	>60		554
1797	$C_4H_{10}O$	Butyl alcohol	117.8	97.8	70		554
		" "	117.73	97.99	71.4		806
1798	$C_4H_{10}O$	*sec*-Butyl alcohol	99.53	91.14	45.8		806
		" "	99.5	91.1	46		554
1799	$C_4H_{10}O$	*tert*-Butyl alcohol	82.45	79.4	32		554
		" "	82.41	80.04	21.2		806

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	CH_3NO_3	**Nitromethane** *(continued)*	**101.2**				
1800	$C_4H_{10}O$	Isobutyl alcohol	107.89	94.46	57.6		806
		" "	108.0	94.6	56.5		554
1801	$C_4H_{10}O_2$	2-Ethoxyethanol	135.3	Nonazeotrope			554
1802	$C_4H_{10}S$	1-Butanethiol	97.5	< 93.2			554
1803	$C_4H_{10}S$	Ethyl sulfide	92.1	85.0	30		554
1804	C_5H_5N	Pyridine	115.4	<100.5	>85		575
1805	C_5H_8	Isoprene	34.1	Nonazeotrope		v-l	716
1806	C_5H_8	1,3-Pentadiene	42.3	Nonazeotrope		v-l	716
1807	C_5H_{10}	2-Methyl-1-butene	31.1	Nonazeotrope		v-l	716
1808	C_5H_{10}	2-Methyl-2-butene	38.5	38	5.0	v-l	716
1809	C_5H_{10}	3-Methyl-1-butene	20.6	Nonazeotrope			554
1810	C_5H_{10}	Cyclopentane	49.3	<47.5	> 9		554
1811	$C_5H_{10}O$	Cyclopentanol	140.85	Nonazeotrope			554
1812	$C_5H_{10}O$	3-Methyl-2-butanone	95.4	<94.8			575
1813	$C_5H_{10}O$	2-Pentanone	102.35	99.15	56		552
1814	$C_5H_{10}O$	3-Pentanone	102.05	99.1	55		552
1815	$C_5H_{10}O_2$	Butyl formate	106.8	< 98.7	<60		554
1816	$C_5H_{10}O_2$	Ethyl propionate	99.1	96.0	35		554
1817	$C_5H_{10}O_2$	Isobutyl formate	98.2	94.7	32		554
1818	$C_5H_{10}O_2$	Isopropyl acetate	89.5	< 89.3			554
1819	$C_5H_{10}O_2$	Methyl butyrate	102.65	97.95	50		554
1820	$C_5H_{10}O_2$	Methyl isobutyrate	92.5	91.2			554
1821	$C_5H_{10}O_2$	Propyl acetate	101.6	97.6	45		554
1822	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	97.5			554
1823	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.4	88.2	48		554
1824	$C_5H_{11}NO_2$	Isoamyl nitrite	97.15	94.2			554
1825	C_5H_{12}	2-Methylbutane	27.95	Nonazeotrope			554
		"	27.9	Nonazeotrope		v-l	716
1826	C_5H_{12}	Pentane	36.07	35	1		806
1827	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	93.1	49.5		554
1828	$C_5H_{12}O$	Isoamyl alcohol	131.9	100.6	88		554
1829	$C_5H_{12}O$	3-Methyl-2-butanol	112.9	96.4	63		554
1830	$C_5H_{12}O$	2-Pentanol	119.8	98.5	73		554
1831	$C_5H_{12}O$	3-Pentanol	116.0	97.4	68		554
1832	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	Nonazeotrope			554
1833	C_6H_5Cl	Chlorobenzene	131.75	Nonazeotrope			575
1834	$C_6H_5NO_2$	Nitrobenzene	210.9	Nonazeotrope		v-l	963
1835	C_6H_6	Benzene 228 mm.		45	9.6		91
		"	80.15	79.15	14		554
		" 97.7 mm.		25	6.4	v-l	845
		"	80.1		12.7	v-l	1010
1836	C_6H_{10}	Cyclohexene	82.75	< 74.5	<31		554
1837	C_6H_{10}	Biallyl	60.1	< 57.5	<23		554
1838	$C_6H_{10}S$	Allyl sulfide	139.35	Nonazeotrope			554
1839	C_6H_{12}	Cyclohexane	80.75	70.2	28		554
		"	80.75	69.5	26.5	v-l	1010

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	CH_3NO_3	**Nitromethane** *(continued)*	**101.2**			
1840	C_6H_{12}	1-Hexene	63.84	59.7	7.4	806
1841	C_6H_{12}	Methylcyclopentane	72.0	64.2	23	554
1842	$C_6H_{12}O$	Cyclohexanol	160.8	Nonazeotrope		554
1843	$C_6H_{12}O$	4-Methyl-2-pentanone	116.05	Nonazeotrope		552
1844	$C_6H_{12}O$	Pinacolone	106.2	<100.5		552
1845	$C_6H_{12}O_2$	Ethyl butyrate	121.5	Nonazeotrope		554
1846	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	100.1	72	554
1847	$C_6H_{12}O_2$	Isobutyl acetate	117.2	Nonazeotrope		548
1848	$C_6H_{12}O_2$	Methyl isovalerate	116.5	Nonazeotrope		548
1849	C_6H_{14}	2,3-Dimethylbutane	58.0	< 54.5	<26	554
1850	C_6H_{14}	*n*-Hexane	68.8	62.0	21	554
		"	68.74	61.7	18.5	806
1851	$C_6H_{14}O$	*n*-Hexyl alcohol	157.85	Nonazeotrope		554
1852	$C_6H_{14}O_2$	Acetal	104.5	95	~65	563
1853	$C_6H_{14}S$	Isopropyl sulfide	120.5	< 99.5	>85	575
1854	$C_6H_{14}S$	Propyl sulfide	141.5	Nonazeotrope		566
1855	$C_6H_{15}NO$	2-(Diethylamino)ethanol	162.2	Nonazeotrope		575
1856	C_7H_8	Toluene	110.75	96.5	55	321,554
1857	C_7H_{14}	1-Heptene	93.64	79.4	31.1	806
1858	C_7H_{14}	Methyl cyclohexane	101.15	81.25	39.5	554
		" "	100.1	81.7	39.5	1038
1859	C_7H_{16}	Heptane 748 mm.		79.70	35.6	613
		"	98.43	79.9	34.7	806
		"	98.4	80.2	37	554
1860	C_8H_8	Styrene	145.8	Nonazeotrope		554
1861	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope		554
1862	C_8H_{10}	*m*-Xylene	139.2	Nonazeotrope		514
1863	C_8H_{10}	*o*-Xylene	144.3	Nonazeotrope		554
1864	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	90.2	50	554
1865	C_8H_{16}	1-Octene	121.28	91.2	52.3	806
1866	C_8H_{18}	2,5-Dimethylhexane	109.4	85.5	43	554
1867	C_8H_{18}	*n*-Octane	125.75	92.0	53	554
		" 748 mm.		90.23	55.2	613
		"	125.66	90.6	54.0	806
1868	$C_8H_{18}O$	Isobutyl ether	122.3	Nonazeotrope		554
1869	C_9H_{12}	Cumene	152.8	Nonazeotrope		554
1870	C_9H_{12}	Mesitylene	164.6	Nonazeotrope		554
1871	C_nH_{2n+2}	Paraffins	90-118	25-90		321
1872	C_9H_{18}	1-Nonene	146.87	97.1	72.3	806
1873	C_9H_{20}	Nonane	150.85	96.5	70.2	806
		" 748 mm.		96.14	71.6	613
1874	$C_{10}H_{20}$	1-Decene	170.57	99.8	84.2	806
1875	$C_{10}H_{22}$	Decane	174.12	99.1	84.1	806
		" 748 mm.		98.81	83.9	613
1876	$C_{11}H_{24}$	Undecane 748 mm.		100.01	90.7	613

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**CH_3NO_3**	**Nitromethane** *(continued)*	**101.2**				
1877	$C_{12}H_{26}$	Dodecane 748 mm.		100.60	95.8		613
1878	$C_{13}H_{28}$	Tridecane 748 mm.		Nonazeotrope			613
1879	$C_{16}H_{34}$	Hexadecane 748 mm.		Nonazeotrope			613
A =	**CH_3NO_3**	**Methyl Nitrate**	**64.8**				
1880	CH_4O	Methanol	64.65	52.5	73		560
1881	$C_2H_4Cl_2$	1,2-Dichloroethane	83.45	Nonazeotrope			560
1882	C_2H_5Br	Bromoethane	38.4	Nonazeotrope			560
1883	C_2H_5I	Iodoethane	72.3	< 63.5	<72		560
1884	C_2H_6O	Ethyl alcohol	78.3	< 59.5	> 64		560
1885	C_3H_5Br	3-Bromopropene	70.5	62.8	68		560
1886	C_3H_5Cl	3-Chloropropene	45.3	Nonazeotrope			560
1887	C_3H_7Br	1-Bromopropane	71.0	63.0	70		560
1888	C_3H_7Br	2-Bromopropane	59.4	57.3	32		560
1889	C_3H_7Cl	1-Chloropropane	46.65	Nonazeotrope			560
1890	C_3H_8O	Isopropyl alcohol	82.42	< 62.5	>78		560
1891	$C_3H_8O_2$	Methylal	42.3	Nonazeotrope			557
1892	C_4H_4S	Thiophene	84.7	Nonazeotrope			560
1893	C_4H_9Br	2-Bromo-2-methylpropane	73.25	63.8	<80		560
1894	C_4H_9Cl	1-Chlorobutane	78.5	Nonazeotrope			560
1895	C_4H_9Cl	2-Chlorobutane	68.25	< 62.0	<64		560
1896	C_4H_9Cl	1-Chloro-2-methylpropane	68.85	61.2	61		560
1897	$C_4H_{10}O$	*tert*-Butyl alcohol	82.45	63.2	84		560
1898	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope			557
1899	$C_4H_{10}O_2$	Ethoxymethoxymethane	65.8	< 63.9			557
1900	C_5H_{10}	Cyclopentane	49.4	< 47.2	>20		560
1901	C_5H_{12}	Pentane	36.15	< 35.5	<10		560
1902	$C_5H_{12}O$	Ethyl propyl ether	63.85	< 61.5			557
1903	C_6H_5F	Fluorobenzene	84.9	Nonazeotrope			560
1904	C_6H_6	Benzene	80.15	Nonazeotrope			560
1905	C_6H_{12}	Cyclohexane	80.75	61.0	77		560
1906	C_6H_{12}	Methylcyclopentane	72.0	57.8	60		560
1907	C_6H_{14}	2,3-Dimethylbutane	58.0	51.0	38		560
1908	C_6H_{14}	Hexane	68.8	56.0	56		560
1909	C_7H_{16}	Heptane	98.4	Nonazeotrope			560
A =	**CH_4**	**Methane**	**—164**				
1910	C_2H_6	Ethane	— 88	Nonazeotrope		v-l	766
1910a	C_3H_6	Propylene	— 48	Nonazeotrope			63c
1911	C_3H_8	Propane	— 44	Nonazeotrope		v-l	766
A =	**CH_3Cl_3Si**	**Dichloromethysilane**					
1912	C_3H_9ClSi	Chlorotrimethylsilane, 30°-40°		V.p. curve, nonazeotrope			872
A =	**CH_4O**	**Methanol**	**64.7**				
1913	$C_2Cl_3F_3$	1,1,2-Trichlorotrifluoroethane	47.5	39.9	6		46,982

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**CH_4O**	**Methanol** *(continued)*	**64.7**				
1914	C_2Cl_4	Tetrachloroethylene	121.1	63.75	63.5		574
1915	C_2HCl_3	Trichloroethylene	87	59.3	38	v-l	276,297
1916	C_2H_2BrCl	1-Bromo-2-chloroethylene	106.7	Nonazeotrope			575
1917	$C_2H_2Br_2$	*cis*-1,2-Dibromoethylene	112.5	Nonazeotrope			563
1918	$C_2H_2Br_2$	*trans*-1,2-Dibromoethylene	108	Nonazeotrope			575
		"	108	~ 64.1	~72		563
1919	$C_2H_2Cl_2$	1,1-Dichloroethylene	31	27.5-28	6 vol. %		956
1920	$C_2H_2Cl_2$	*cis*-1,2-Dichloroethylene	60.25	51.5	~13		563
		"	60.3	51.5	15.1	v-l	12
1921	$C_2H_2Cl_2$	*trans*-1,2-Dichloro-ethylene	48.3	41.9	9.02	v-l	12
1922	C_2H_3Br	Bromoethylene	15.8	< 15.7			575
1923	$C_2H_3Cl_3$	1,1,1-Trichloroethane	74.1	56	21.7		215
1924	$C_2H_3Cl_3$	1,1,2-Trichloroethane	113.65	Nonazeotrope			575
		"	114	~ 64.5	97		563
1925	C_2H_3N	Acetonitrile	81.6	63.45	19		563
1926	C_2H_4BrCl	1-Bromo-2-chloroethane	106.7	64.5?			563
1927	$C_2H_4Br_2$	1,1-Dibromoethane	109.5	Nonazeotrope			575
		"	~110	64.2	~82		563
1928	$C_2H_4Br_2$	1,2-Dibromoethane	131.65	Nonazeotrope			574
1929	$C_2H_4Cl_2$	1,1-Dichloroethane	57.3	49.05	11.5		563
1930	$C_2H_4Cl_2$	1,2-Dichloroethane	83.7	60.95	32		572
		"			40	v-l	282
		"	83.5	59.5	35		982
1931	C_2H_4O	Acetaldehyde	20.2	Nonazeotrope		v-l	467,575
1932	C_2H_4O	Ethylene oxide	10.75	Nonazeotrope			575
1933	$C_2H_4O_2$	Acetic acid	118.1	Nonazeotrope		v-l	601,811
1934	$C_2H_4O_2$	Methyl formate	31.9	Nonazeotrope			563
1935	C_2H_4S	Ethylene sulfide	55.7	< 47.0	<21		575
1936	C_2H_5Br	Bromoethane	38	35	5		563,834
		"		34.9	5.3		497
1937	C_2H_5Cl	Chloroethane	13.5	Nonazeotrope			563
1938	C_2H_5ClO	Chloromethyl methyl ether	59.5	56	~35		563
1939	C_2H_5I	Iodoethane	72.3	55	17		563,834
1940	C_2H_5NO	Acetamide	220.9	Nonazeotrope			527
1941	$C_2H_5NO_2$	Nitroethane	114.2	Nonazeotrope			576
1942	$C_2H_5NO_3$	Ethyl nitrate	87.68	61.77	57		560
1943	C_2H_6	Ethane	—93	Nonazeotrope			563
1944	C_2H_6O	Ethyl alcohol	78.3	Nonazeotrope		v-l	114,563, 889
1945	$C_2H_6O_2$	Ethylene glycol	197.4	Nonazeotrope		v-l	35,859c
1946	C_2H_6S	Ethanethiol	36.2	Nonazeotrope			563
1947	C_2H_6S	Methyl sulfide	37.3	< 34.5	<13		566
1948	C_3H_3N	Acrylonitrile	77.3	61.4	61.3		215
		" 175 mm.	37	29	47		982
1949	$C_3H_4Cl_2$	1,2-Dichloro-1-propene	76.8	56.5	25		410

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**CH_4O**	**Methanol** *(continued)*	**64.7**				
1950	C_3H_4O	Acrolein	52.45	Nonazeotrope			575
1951	C_3H_5Br	*trans*-1-Bromopropene	63.25	50.8	15		563
1952	C_3H_5Br	*cis*-1-Bromopropene	57.8	48	12		563
1953	C_3H_5Br.	2-Bromopropene	48.35	42.7	11		563
1954	C_3H_5Br	3-Bromopropene	70.5	54.0	20.5		567
1955	C_3H_5Cl	2-Chloropropene	22.65	22.0	3		573
1956	C_3H_5Cl	3-Chloropropene	45.15	39.85	10		567
1957	C_3H_5ClO	Epichlorohydrin	116.4	Nonazeotrope			556
1958	$C_3H_5ClO_2$	Methyl chloroacetate	131.4	Nonazeotrope			121
1959	C_3H_5I	3-Iodopropene	102.0	63.5	~62		563
1960	C_3H_5N	Propionitrile	97.1	Nonazeotrope			563
1961	$C_3H_6Cl_2$	1,2-Dichloropropane	96.8	62.9	53		276
1962	$C_3H_6Cl_2$	2,2-Dichloropropane	69.8	55.5	21		573
1963	C_3H_6O	Acetone	56.15	55.5	12		261,371, 527,834
		" 100 mm.		Nonazeotrope		v-l	282
		" 182 mm.		20	9.5	v-l	44c
		" 283 mm.		30	8.5	v-l	44c
		" 426 mm.		40	<9.5	v-l	44c
		" 758 mm.		55	14	v-l	290c
		"		55	12.9	v-l	621
		"		45	9.2	v-l	621
		"		35	4.7	v-l	621
		" 752 mm.		55.07	14.8	v-l	16,364
		"	56.1	Nonazeotrope			518
		" 4.56 atm.	108	102	32		982
		" 7.82 atm.	132	124	46		982
		" 11.6 atm.	150	140	56		982
1964	C_3H_6O	Propionaldehyde	48.7	Nonazeotrope			575
1965	C_3H_6OS	Methyl thioacetate	95.5	Nonazeotrope			575
1966	$C_3H_6O_2$	Ethyl formate	54.15	50.95	16		563
1967	$C_3H_6O_2$	Methyl acetate					
		100 mm.		8.5	11.6		861c
		" 200 mm.		21.5	13.6	v-l	861c,36c
		" 400 mm.		37.2	15.6		861c
		" 760 mm.		53.5	19		861c,36c
		" 4 atm.		97.0	27	v-l	36c
		" 8 atm.		123.2	33	v-l	36c
		"		53.8	17.7		359,834
		"	57.1	53.9	17.7	v-l	110,179
		" 4.4 atm.	107	99	29		982
		" 7.8 atm.	132	120	34.6		982
		" 11.2 atm.	149	135	40.4		982
1968	$C_3H_6O_3$	Methyl carbonate	90.35	62.7	~70		536
1969	C_3H_7Br	1-Bromopropane	71.0	54.5	21		389,535
1970	C_3H_7Br	2-Bromopropane	59.4	49.0	14.5		527
1971	C_3H_7Cl	1-Chloropropane	46.6	40.6	10		555
1972	C_3H_7Cl	2-Chloropropane	36.25	33.4	6		573

In Azeotropic Data—III; Horsley, L.;
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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**CH_4O**	**Methanol** *(continued)*	**64.7**				
1973	C_3H_7I	1-Iodopropane	102.4	63.1	50		527
1974	C_3H_7I	2-Iodopropane	89.35	61.0	38		573
1975	C_3H_7NO	Propionamide	222.1	Nonazeotrope			531
1976	$C_3H_7NO_2$	1-Nitropropane	131.18	Nonazeotrope			806
1977	$C_3H_7NO_2$	2-Nitropropane	120.25	Nonazeotrope			806
1978	C_3H_8	Propane	— 44	Min. b.p.			563
1978a	C_3H_8O	Isopropyl alcohol 55°C.		Nonazeotrope		v-l	290c
		"	82.3	Nonazeotrope		v-l	290c
1979	$C_3H_8O_2$	2-Methoxyethanol	124	Nonazeotrope		v-l	884
		" 752 mm.		Nonazeotrope		v-l	982
		" 800 mm.		Nonazeotrope		v-l	982
1980	$C_3H_8O_2$	Methylal	42.3	41.82	7.85		140,324,545
		"		41.7	4.4		581c
1981	C_3H_8S	Propanethiol	67.3	< 58.0	<35		566
1982	$C_3H_9BO_3$	Methyl borate	68.7	54.6	32		574
		"	68.0	54.0	27		318,982
		" 60 p.s.i.g.		100	33		982
		" 30 p.s.i.g.		84	29		982
		" 200 mm.		25	22		982
		Methyl borate	69	54.18	25	v-l	865
1983	$C_4H_4Cl_2$	2,3-Dichloro-1,3-butadiene	98	61.5	50.0		1023
		" 200 mm.		31.65	47	v-l	158c
		" 275 mm.		36.0	53.5		1023
		" 475 mm.		50.0	52.0		1023
		" 1000 mm.		70			1023
1984	$C_4H_4N_2$	Pyrazine	114	Nonazeotrope			751
1985	C_4H_4O	Furan	31.7	< 30.5	< 7		575
1986	C_4H_4S	Thiophene	84	< 59.55	<55		527
		"		59.71	16.4	v-l	605
1987	C_4H_5NS	Allyl isothiocyanate	152.05	Nonazeotrope			575
1988	C_4H_6O	Crotonaldehyde	102	Nonazeotrope			241
1989	$C_4H_6O_2$	Biacetyl	87.5	< 62.0	<75		552
1990	$C_4H_6O_2$	Methyl acrylate	80	62.5	54		799,800
1991	$C_4H_6O_2$	Vinyl acetate	72.7	58.8	36.6		982
		"	72.6	59.05	36.6		266
		"		Azeo. comp. independent of press.			830c
1992	C_4H_7N	Pyrroline	90.9	Nonazeotrope			575
1993	C_4H_8O	2-Butanone	79.6	63.5	70		83
				Effect of pressure		v-l	83
		"	79.6	64.5	70	v-l	383
1994	C_4H_8O	Butyraldehyde	74.8	Nonazeotrope			132
1995	C_4H_8O	Isobutyraldehyde	63.5	62.7	40		575
1996	C_4H_8O	Tetrahydrofuran,					
		" 740 mm.	65	59.1	31.1		318
		"	66	60.7	31.0		224
		" 349 mm.		40	25.4	v-l	859c
1997	$C_4H_8O_2$	1,2-Dimethoxyethylene	102	63-64	90		345

No.	Formula	B-Component Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	CH_4O	**Methanol** *(continued)*	64.7				
1998	$C_4H_8O_2$	Dioxane	101.05	Nonazeotrope		v-l	241,733
1999	$C_4H_8O_2$	Ethyl acetate	77.1	62.25	44		572,834
		"	77.1	62.3	45.8	v-l	7
		"	77.1	62.4	47.1	v-l	679
		" 40°-60°		% alcohol increases with pressure		v-l	674
		"	76.7	62.1	48.6		982
		" 730 mm.		62.2	47.5	v-l	684f
2000	$C_4H_8O_2$	Isopropyl formate	68.8	57.2	33		567
2001	$C_4H_8O_2$	Methyl propionate	79.8	62.45	47.5		572
		" "	79.7	62.0	50		227
2002	$C_4H_8O_2$	Propyl formate	80.8	61.9	50.2		572
2003	C_4H_8S	Tetrahydrothiophene	118.8	Nonazeotrope			566
2004	C_4H_9Br	1-Bromobutane	101.5	63.5	59		527
2005	C_4H_9Br	2-Bromobutane	91.2	61.5	41.5		567
2006	C_4H_9Br	1-Bromo-2-methyl-propane	91.0	61.55	42		389,555
2007	C_4H_9Br	2-Bromo-2-methyl-propane	73.3	55.6	~24		563
2008	C_4H_9Cl	1-Chlorobutane	78.05	57.2	28.5		555
2009	C_4H_9Cl	2-Chlorobutane	68.25	52.7	20		567
2010	C_4H_9Cl	1-Chloro-2-methyl-propane	68.9	53.05	23		563
2011	C_4H_9Cl	2-Chloro-2-methyl-propane	51.6	43.75	10		532
2012	C_4H_9I	1-Iodobutane	130.4	Nonazeotrope			575
2013	C_4H_9I	2-Iodobutane	120.0	< 64.60	>65		575
2014	C_4H_9I	1-Iodo-2-methyl-propane	120.4	Nonazeotrope			532
		"	119	64	<70		834
2015	$C_4H_{10}O$	Butyl alcohol, crit. region	117.75	Nonazeotrope		v-l	213,383
2015a	$C_4H_{10}O$	*tert*-Butyl alcohol	82.5	Nonazeotrope			581c
2016	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope			834
2017	$C_4H_{10}O$	Methyl propyl ether	39	38	11.94		73
		" " "	38.95	38.85	10		545
2018	$C_4H_{10}O_2$	Acetaldehyde dimethyl acetal	64.3	57.5	24.2		45
2019	$C_4H_{10}O_2$	Ethoxymethoxymethane	65.90	57.1	25.3		1035
2020	$C_4H_{10}S$	Ethyl sulfide	92.2	61.2	62		555
2020a	$C_4H_{11}N$	Butylamine 730 mm.		Nonazeotrope		v-l	684e
2021	$C_4H_{11}N$	Diethylamine 730 mm.		67.3	58	v-l	684e
		"	55.9	Nonazeotrope			545
		" 740 mm.	54.7	66.2	40		982
2022	$C_4H_{11}N$	Isobutylamine	68.0	Reacts			545
2023	$C_4H_{12}SiO$	Methoxytrimethylsilane	57.0		14-16		839

No.	B-Component Formula	B-Component Name	B-Component B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**CH_4O**	**Methanol** *(continued)*	**64.7**				
2024	C_5H_5N	Pyridine	115.4	Nonazeotrope		v-l	684g,553
2025	C_5H_6O	2-Methylfuran	63.7	51.5	22.3		769
2026	C_5H_8	Cyclopentene	43	37	20 vol.%		878,1015
2027	C_5H_8	Isoprene	34.8	~ 29.5			563
		"	34.1	30.0	7.92	v-l	651
		"		30.7	8.0		476
		"	34.3	29.57	5.2		946
		"	34.3	30.45	4.1		581c,946
2028	C_5H_8	3-Methyl-1,2-butadiene	40.8	34.7	8.5		946
		"	40.8	~ 35	~10		563
2029	C_5H_8	*cis*-1,3-pentadiene	42	37.5	16.7 vol. %		1015
		"	42.3	37.6	13		476
		"	44.0	38.1	16 vol. %		826
2030	C_5H_8	*trans*-1,3-Pentadiene	42.0	36.5	15 vol. %		826
		"		36.5	12.9	v-l	715
2031	C_5H_8O	1,3-Butadienyl methyl ether	90.7	62	57.5		982
2032	$C_5H_8O_2$	Ethyl acrylate		64.5	84.4		799,800
2033	$C_5H_8O_2$	Methyl methacrylate	99.5	64.2	82	v-l	1032
		" 200 mm.	61.5	34.5	82	v-l	1032
		"		64.5	89.3	v-l	300
2034	C_5H_{10}	Cyclopentane	49.4	38.8	14		567
2035	C_5H_{10}	2-Methyl-1-butene	32	27.4	8.1	v-l	715
		"	31.1	27.6	6.5		476
2036	C_5H_{10}	2-Methyl-2-butene	38.5	33	10.5		476
		"	37.7	33.1	11.2	v-l	715
		"		33.1	11.4		497
			37.15	31.75	7		563
2037	C_5H_{10}	3-Methyl-1-butene	22.5	19.8	3		537
		"	21.2	17.9	4.28	v-l	715
		"	20.1		4.0		476
2038	C_5H_{10}	1-Pentene	30.0	26.8	8.5		476
		"	29.92	26.4	13 vol. %		826
		"	30.1	26.3	8.92	v-l	715
2039	C_5H_{10}	*cis*-2-Pentene	37.1	31.8	7 vol. %		826
2040	C_5H_{10}	2-Pentene	37	31.6	10		476
		"	35.8	31.5	12 vol. %		1015
2041	$C_5H_{10}O$	3-Methyl-2-butanone	95.4	Nonazeotrope			552
2042	$C_5H_{10}O$	3-Pentanone	102.2	Nonazeotrope		v-l	383
2043	$C_5H_{10}O_2$	Butyl formate	106.8	Nonazeotrope			575
2044	$C_5H_{10}O_2$	Ethyl propionate	99.15	Nonazeotrope			537
2045	$C_5H_{10}O_2$	Isobutyl formate	97.9	64.6	~95		536
2046	$C_5H_{10}O_2$	Isopropyl acetate	91.0	64.5	80		536
		"	88.7	64.0	70.2		982
2047	$C_5H_{10}O_2$	Methyl butyrate	102.65	Nonazeotrope			536
2048	$C_5H_{10}O_2$	Methyl isobutyrate	92.3	64.0	75		536
		" "	92.3	Nonazeotrope			563

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**CH_4O**	**Methanol** *(continued)*	**64.7**				
2049	$C_5H_{10}O_2$	Propyl acetate	101.6	Nonazeotrope			536
2049a	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	Nonazeotrope		v-l	920c
2050	$C_5H_{11}Br$	1-Bromo-3-methylbutane	118.2	Nonazeotrope			389
				B.p. curve			389
2051	$C_5H_{11}Cl$	1-Chloropentane	108.35	Nonazeotrope			409
2052	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.4	62.0	57		527
2053	$C_5H_{11}N$	Piperidine	106.4	Nonazeotrope			575
2054	C_5H_{12}	2-Methylbutane	27.95	24.5	~ 4		563
		"	27.6	24.62	4		946
		"		24.2	6.98	v-l	715
		"	27.9	24.7	6.3		476
2055	C_5H_{12}	Pentane	36	30.6	7.6		476
		"	36.1	30.6	15 vol. %		1015
		"	37.15	30.8	9		538
		"	36.15	30.85	7		946
2056	$C_5H_{12}O$	Amyl alcohol	137.8	Nonazeotrope		v-l	383
2057	$C_5H_{12}O$	Butyl methyl ether	71	56.3	35.35		73
2058	$C_5H_{12}O$	*tert*-Butyl methyl ether	55	50.6	10		581c,256
2059	$C_5H_{12}O$	Ethyl propyl ether	63.6	55.5	24		556
2060	$C_5H_{12}O_2$	Diethoxymethane	87.95	63.2	65		527
2061	$C_5H_{12}O_2$	2,2-Dimethoxypropane	80	61-62	45		594
2062	$C_5H_{14}SiO$	Methoxymethyl-trimethylsilane	83	60	36 vol. %		907
2063	C_6H_5Cl	Chlorobenzene	132.0	Nonazeotrope		v-l	574,684g
2064	C_6H_5F	Fluorobenzene	85.15	59.7	32		545
2065	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope			554
2066	C_6H_6	Benzene	80.1	57.50	39.1	v-l	1026
		" 770 mm.		58	38.4		297,814, 834,903,1044
		" 400 mm.		40	36.8		
		" 223 mm.		25	33.1		
		"	80.1	58	38	v-l	1026,406a
		" 64.7 p.s.i.a.	108	102	49	v-l	783
		" 112.7 p.s.i.a.	128	123	54	v-l	783
		" 159.7 p.s.i.a.	141	138	58	v-l	783
		" 209.7 p.s.i.a.	152	148	62	v-l	783
		" 259.7 p.s.i.a.	161	159	65	v-l	783
		" to crit. pt.		Azeotropic		v-l	888
2067	C_6H_8	1,3-Cyclohexadiene	80.8	56.38	38.8		563
2068	C_6H_8	1,4-Cyclohexadiene	85.6	58	42.5		563
2069	C_6H_8O	2,5-Dimethylfuran	93.3	61.5	51		982
2070	C_6H_{10}	Biallyl	60.2	47.05	22.5		563
2071	C_6H_{10}	Cyclohexene	82.75	55.9	40		563
2072	C_6H_{10}	2,3-Dimethyl-1,3-butadiene	68.9	52	25		78
2073	C_6H_{10}	1,3-Hexadiene	72.9	< 58	~40		221
2074	C_6H_{10}	2,4-Hexadiene	82	~ 58	~40		221
2075	C_6H_{10}	Methylcyclopentene	75.85	53.0	35		567
2076	C_6H_{10}	3-Methyl-1,3-pentadiene	77	~ 58	~40		221

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A = CH₄O		**Methanol** *(continued)*	**64.7**				
2076a	$C_6H_{10}O$	Methyldihydropyran	118.5	Nonazeotrope			581c
2077	$C_6H_{10}O_2$	Isopropyl acrylate		Min. b.p.			799
2078	$C_6H_{10}O_2$	Propyl acrylate		Min. b.p.			799
2079	C_6H_{12}	Cyclohexane	80	54	38		276,563
		"		35	34.8	v-l	623
		"		55	37.6	v-l	623
		" 520 mm.		45	35.6	v-l	623
		"		53.9	36.4	v-l	604
		"		54.28	36.7	v-l	623
		" 527 mm.		45	36.4	v-l	604
		"		55	36.4	v-l	604
		" <760 mm.		27.5	34		925
		" <760 mm.		30	32.6		925
		" <760 mm.		38	31.6		925
		" <760 mm.		42	26.8		925
2079a	C_6H_{12}	1-Hexene 200 mm.		20	18.4	v-l	498m
		" 400 mm.		32.6	19.1	v-l	498m
		" 600 mm.		42.0	19.6	v-l	498m
		" 760 mm.	63.6	48.2	20.8	v-l	498m
2080	C_6H_{12}	*cis*-3-Hexene	66.4	49.6	26 vol. %		826
2081	C_6H_{12}	Hexenes	68	49.5	27 vol. %		1015
2082	C_6H_{12}	Methylcyclopentane	72.0	51.3	32		567
2083	$C_6H_{12}O$	Butyl vinyl ether	94.2	62	52		982
2084	$C_6H_{12}O$	4-Methyl-2-pentanone	116.2	Nonazeotrope		v-l	383
2085	C_6H_{14}	2,2-Dimethylbutane	49.74	39.6	17 vol. %		826
2086	C_6H_{14}	2,3-Dimethylbutane	58.0	45.0	20		567
		"	58.15	44.5	19.2	v-l	461c
2087	C_6H_{14}	Hexane	68	50	26 vol. %		541,1015
		"		49.9	26.4		497
		"	68.95	49.5	26.4		478
		"	68.95	50.57	28		946
		" 210.3 mm.		20	22.9	v-l	850f
		" 267.5 mm.		25	23.5	v-l	850f
		" 336.7 mm.		30	24.2	v-l	850f
2088	C_6H_{14}	2-Methylpentane	60.27	45.6	21 vol. %		826
2089	C_6H_{14}	3-Methylpentane	63.28	47.1	20 vol. %		826
2090	$C_6H_{14}O$	*tert*-Amyl methyl ether	86-7	62.3	50		256
2091	$C_6H_{14}O$	Butyl ethyl ether	92.2	62.6	56		982
2091a	$C_6H_{14}O$	Isopropyl ether 730 mm.		57.0	24	v-l	684f
2092	$C_6H_{14}O$	Propyl ether	90.4	63.8	72		545
2093	$C_6H_{14}O_2$	Acetal	103.55	Nonazeotrope			556
2094	$C_6H_{14}O_2$	1,1-Dimethoxybutane	114	Nonazeotrope			981
2095	$C_6H_{14}O_2$	2,2-Dimethoxybutane	106-7	64.5	81.5		594
2096	$C_6H_{14}S$	Isopropyl sulfide	120.5	Nonazeotrope			566
2097	$C_6H_{15}N$	Triethylamine	89.35	Nonazeotrope			575
		730 mm.		Nonazeotrope		v-l	684e

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	CH_4O	**Methanol** *(continued)*	**64.7**				
2098	C_7H_8	Toluene	110.7	63.8	69		50
		"		0.5	71.6		537,814,834
		"		25	73.0		537,814,834
		"		50	74.0		537,814,834
		"		62.5	75.0		537,814,834
		"	110.6	63.5	72.5		662
		" 708 mm.		62.0	72.0		662
		" 613 mm.		58.0	71.6		662
		" 512 mm.		53.5	71.0		662
		" 412 mm.		48.0	70.0		662
		"	110.7	63.6	70.8	v-l	595
2098a	C_7H_8O	Anisole	154	Nonazeotrope		v-l	684g
2099	C_7H_{14}	*trans*-1,3-Dimethylcyclopentane	90.77	57.3	45 vol. %		826
		"	90.7		~45		928
2100	C_7H_{14}	Methylcyclohexane	100.8	59.2	54		50,572
		" 127.5 mm.		20	45.1	v-l	850f
		" 209.8 mm.		30	46.0	v-l	850f
		" 334.3 mm.		40	46.8	v-l	850f
2101	C_7H_{16}	*n*-Heptane	98.45	59.1	51.5		572
		"	98.4	58.8	46.1		477
		" 406 mm.		43.83			1064
2102	C_7H_{16}	2-Methylhexane	90.05	57.1	44 vol. %		826
		"	90.0		~40		928
2103	C_7H_{16}	3-Methylhexane	91.8		~40		928
		"	91.85	57.6	44 vol. %		826
2104	C_7H_{16}	2,2,3-Trimethylbutane	80.88	54.1	38 vol. %		826
2105	C_8H_8	Styrene	145.8	64.2			545
2106	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			537
2107	C_8H_{10}	*m*-Xylene	139.0	Nonazeotrope			537
2108	C_8H_{10}	*o*-Xylene	143.6	Nonazeotrope			541
2109	C_8H_{10}	*p*-Xylene	138.3	Nonazeotrope			540
		"	138.35	64.5	99.5		227
2110	$C_8H_{14}O$	2-Ethyl-2-hexenal	176	Nonazeotrope			981
2111	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	< 62.5			575
2112	C_8H_{18}	2,5-Dimethylhexane	109.2	61.0	60		575
2113	C_8H_{18}	Octane	125.6	63.0	72		537
		"	125.75	62.75	67.5		477
		" 406 mm.		47.65			1064
2114	C_8H_{18}	2,2,4-Trimethylpentane	99.3	59.4	53		575
2115	C_9H_{12}	Cumene	152.8	Nonazeotrope			575
2116	C_9H_{12}	Mesitylene	164.6	Nonazeotrope			537
2117	C_9H_{12}	Propylbenzene	159.3	Nonazeotrope			575
2118	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	169.4	Nonazeotrope			981

In Azeotropic Data—III; Horsley, L.;
Advances in Chemistry; American Chemical Society: Washington, DC, 1973.

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**CH_4O**	**Methanol** *(continued)*	**64.7**				
2119	C_9H_{20}	Nonane, 406 mm.		48.93			1064
		"	150.7	64.1	83.4		477
2120	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope			537
2121	$C_{10}H_{16}$	Camphene	159.6	64.67?	98.8?		574
2122	$C_{10}H_{16}$	*d*-Limonene	177.8	64.63	99.2		572
2123	$C_{10}H_{16}$	α-Pinene	155.8	64.55	90.7		528
2124	$C_{10}H_{16}$	Thymene	179.7	Nonazeotrope			537
2125	$C_{10}H_{22}$	2,7-Dimethyloctane	160.1	< 64.6	> 3		575
2126	$C_{10}H_{22}$	Decane 406 mm.		Nonazeotrope			1064
		"	171.8	Nonazeotrope		v-l	715
2127	$C_{11}H_{24}$	Undecane 406 mm.		Nonazeotrope			1064
A =	**CH_4S**	**Methanethiol**	**6.8**				
2128	$C_2H_4O_2$	Methyl formate	31.7	Nonazeotrope			575
2129	C_2H_5Cl	Chloroethane	12.4	Nonazeotrope			575
2130	$C_2H_5NO_2$	Ethyl nitrite	17.4	< 6.4	>82		575
2131	C_4H_8	2-Methyl-propene 95 p.s.i.a.		53	19.5		408
2132	C_4H_{10}	Butane	0.6	— 0.5	25		575
2133	C_4H_{10}	2-Methylpropane	—11.70	— 13.00	4.9		88
2134	C_5H_{12}	2-Methylbutane	27.95	Nonazeotrope			575
A =	**CH_5N**	**Methylamine**	**— 6.32**				
2135	C_2H_7N	Dimethylamine	6.88	Nonazeotrope			818
2136	C_3H_9N	Trimethylamine					
		" 60 p.s.i.g.		36	85		818
		" 210 p.s.i.g.		75	90-92		818
		" 370 p.s.i.g.		Nonazeotrope			818
		"	3.5	— 5	70		20,21
		" 1040 mm.		0	68	v-l	353
2137	C_4H_4	1-Butene-3-yne	5.0	— 6.8	97.5	v-l	84
2138	C_4H_6	1,3-Butadiene	— 4.5	— 9.5	41.4	v-l	84
		"	— 4.5	— 10.4			215
		"			58		85
		" 5 atm.			74		85
		" 20 atm.			96		85
		" 4 kg./cm.²			49.4	v-l	407
		"	— 4.6	— 9.2	41.3	v-l	305
2139	C_4H_8	1-Butene 4 kg./cm.²			62.5	v-l	407
		"	— 6.3	— 13.6	36.5	v-l	305
		"			50		85
		" 5 atm.			64		85
		" 20 atm.			74		85
		"	— 5.6	— 13	22.2	v-l	84
		"	— 6.0	— 13.8			215
2140	C_4H_8	*cis*-2-Butene	3.5	— 9.6	47.5	v-l	84
		"	3.7	— 10.4	56.5	v-l	305

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No.	Formula	B-Component Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**CH_5N**	**Methylamine *(continued)***	**— 6.32**				
2141	C_4H_8	trans-2-Butene	0.9	— 11.6	55.0	v-l	305
		"	0.9	— 10.4	48.5	v-l	84
2142	C_4H_8	2-Methylpropene	— 6.0	— 14.3	32	v-l	84
		"	— 6.9	— 15.5	47.5		305
2143	C_4H_{10}	Butane	— 0.5	— 16.0	43.7		305
		"	— 0.6	Min. b.p.			195
		Butane	1.0	— 14.0	37.6	v-l	84
2144	C_4H_{10}	2-Methylpropane	—10.0	— 19.9	25.5	v-l	84
		"	—11.7	— 24.0	27.0		305
		% CH_3NH_2 increases with pressure in above azeotropes					305,407
2145	C_5H_8	Isoprene	34	Min. b.p.			818
2146	C_5H_{10}	Amylenes		Min. b.p.			252
A =	**$C_2Br_2Cl_2$**	**1,2-Dibromo-1,2,-dichloroethylene**	**172**				
2147	C_2H_6O	Ethyl alcohol	78.3	Nonazeotrope			533
2148	$C_4H_{10}O$	Butyl alcohol	117.75	Nonazeotrope			533
A =	**C_2ClF_5**	**Chloropentafluoroethane**	**— 38.5**				
2149	$C_2H_4F_2$	1,1-Difluoroethane	— 24.7	— 41.3	83.8		582
A =	**$C_2Cl_2F_4$**	**1,2-Dichlorotetrafluoroethane**					
2150	C_4H_{10}	Butane	— 0.5	— 2.2	59		279
A =	**$C_2Cl_3F_3$**	**1,1,2-Trichlorotrifluoroethane**	**47.5**				
2151	$C_2Cl_4F_2$	1,1,2,2-Tetrachlorodifluoroethane	92.4	Nonazeotrope			266,981
2152	C_2H_6O	Ethyl alcohol	78.3	43.8	96.2		982
		" "	78.3	Nonazeotrope			46
2153	C_3H_6O	Acetone	56.5	45	87.5		232
A =	**C_2Cl_3N**	**Trichloroacetonitrile**					
2154	C_2H_3N	Acetonitrile	82	75.6	71		437
A =	**C_2Cl_4**	**Tetrachloroethylene**	**121.1**				
2155	C_2HCl_3O	Chloral	97.5	Nonazeotrope			575
2156	$C_2H_3Cl_3$	1,1,2-Trichloroethane	112.4	112	57		215
		"	113.65	112.9	26		581
2157	$C_2H_4Cl_2O$	2,2-Dichloroethanol	146.2	<119.5	<96		575
2158	$C_2H_4O_2$	Acetic acid	118.5	107.35	61.5		563
2159	C_2H_5BrO	2-Bromoethanol	150.2	116.5	85		575
2160	C_2H_5ClO	2-Chloroethanol	128.6	110.0	75.7		568
2161	C_2H_5NO	Acetamide	221.2	120.45	97.4		574
2162	C_2H_6O	Ethyl alcohol	78.3	76.75	~37		574

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_2Cl_4**	**Tetrachloroethylene**	**121.1**				
		(continued)					
2163	$C_2H_6O_2$	Glycol	197.4	119.1	94		574
2164	C_3H_5BrO	Epibromohydrin	138.5	<119.5	<92		575
2165	C_3H_5ClO	1-Chloro-2-propanone	119	118			563
2166	C_3H_5ClO	Epichlorohydrin	116.45	110.12	48.5		563
2167	$C_3H_5ClO_2$	Methyl chloroacetate	129.95	120.8	94		575
2168	C_3H_6O	Acetone	56.1	Nonazeotrope		v-l	187
2169	C_3H_6O	Allyl alcohol	96.95	93.15	55		527,875
2170	$C_3H_6O_2$	Propionic acid	140.9	119.1	91.5		527
2171	C_3H_7ClO	1-Chloro-2-propanol	127.0	113.0	72		567
2172	C_3H_7ClO	2-Chloro-1-propanol	133.7	115.0	87		567
2173	C_3H_7NO	Propionamide	222.1	Nonazeotrope			527
2174	$C_3H_7NO_2$	Ethyl carbamate	185.25	<120.8	<96		564
2175	$C_3H_7NO_3$	Propyl nitrate	110.5	109.6	18		560
2176	C_3H_8O	Isopropyl alcohol	82.4	81.7	30		535
		" "	82.3	81.7	19		981
2177	C_3H_8O	Propyl alcohol	97.25	94.05	52		535
2178	$C_3H_8O_2$	2-Methoxyethanol	124.5	109.7	75.5		569
2179	C_4H_5N	Pyrrol	130.0	113.35	80.5		553
2180	$C_4H_8O_2$	Butyric acid	164.0	121.0	98.8		527
		" "	162.45	Nonazeotrope			541
2181	$C_4H_8O_2$	Dioxane	101.35	Nonazeotrope			527
2182	$C_4H_8O_2$	Isobutyric acid	154.35	120.5	~97		541
2183	$C_4H_8O_3$	Methyl lactate	143.8	120.0	90		575
2184	C_4H_9I	1-Iodo-2-methylpropane	120.8	119.2	40		549
2185	$C_4H_9NO_3$	Isobutyl nitrate	122.9	117.45	70		560
2186	$C_4H_{10}O$	Butyl alcohol	117.75	108.95	71		574
		" "	117.7	110	68		981
2187	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	97.0	43		567
2188	$C_4H_{10}O$	*tert*-Butyl alcohol	82.45	Nonazeotrope			575
2189	$C_4H_{10}O$	Isobutyl alcohol	108	103.05	60		563
2190	$C_4H_{10}O_2$	2-Ethoxyethanol	135.3	116.25	83.5		527
2191	$C_5H_4O_2$	2-Furaldehyde	161.45	Nonazeotrope			527
2192	C_5H_5N	Pyridine	115.4	112.85	51.5		553
		" 126 mm.		60	59	v-l	292c
		" 270 mm.		80	58	v-l	292c
		" 527 mm.		100	56	v-l	292c
2193	$C_5H_6O_2$	Furfuryl alcohol	169.35	Nonazeotrope			575
2194	C_5H_8O	Cyclopentanone	130.65	120.1	86		552
2195	C_5H_9N	Isovaleronitrile	130.5	113.5	72		562
2196	$C_5H_{10}O$	Cyclopentanol	140.85	118.8	92		567
2197	$C_5H_{10}O_2$	Isovaleric acid	176.5	Nonazeotrope			527
2198	$C_5H_{10}O_3$	Ethyl carbonate	126.0	118.55	74		547
2199	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	120.9	96		556
2200	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	119.25	48		549
2201	$C_5H_{12}O$	Amyl alcohol	138.2	117.0	85		567
2202	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	101.4	27		567
2203	$C_5H_{12}O$	Isoamyl alcohol	131.3	116.2	81		527
2204	$C_5H_{12}O$	2-Pentanol	119.8	113.2	66		567

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_2Cl_4**	**Tetrachloroethylene**	**121.1**				
		(continued)					
2205	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	120.6	95		527
2206	$C_6H_{10}O$	Mesityl oxide	129.45	119.8	83.5		527
2207	$C_6H_{10}S$	Allyl sulfide	139.35	Nonazeotrope			566
2207a	C_6H_{12}	1-Hexene	60	Nonazeotrope		v-l	362c
2208	$C_6H_{12}O$	3-Hexanone	123.3	118.15	55		552
2209	$C_6H_{12}O$	4-Methyl-2-pentanone	116.05	113.85	48		569
2210	$C_6H_{12}O_2$	Butyl acetate	126.0	120.1	79		527
		" "	125.0	120.5			547
2211	$C_6H_{12}O_2$	Ethyl butyrate	119.9	119.5	57		547
2212	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	Nonazeotrope			563
2213	$C_6H_{12}O_2$	Isoamyl formate	123.6	117.9	65		547
2214	$C_6H_{12}O_2$	Isobutyl acetate	117.2	115.5	47		573
2215	$C_6H_{12}O_2$	Methyl isovalerate	116.5	Nonazeotrope			575
2216	$C_6H_{12}O_2$	Propyl propionate	122.5	120.0			547
2217	$C_6H_{12}O_3$	Paraldehyde	124	118.75	68		563
2217a	C_6H_{14}	Hexane 60°C.		Nonazeotrope		v-l	362c
2218	$C_6H_{14}O_2$	2-Butoxyethanol	171.25	Nonazeotrope			526
2219	$C_6H_{15}BO_3$	Ethyl borate	118.6	117.5	48		538
2220	C_7H_8	Toluene	110.75	Nonazeotrope			538
2221	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	Nonazeotrope			575
2222	$C_7H_{14}O_2$	Isobutyl propionate	136.9	Nonazeotrope			547
2223	$C_7H_{14}O_2$	Isopropyl isobutyrate	120.8	119.0	45		547
2224	$C_7H_{14}O_2$	Propyl isobutyrate	134.0	Nonazeotrope			547
2225	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			575
2226	C_8H_{16}	1,3-Dimethylcyclohexane	~120.5	118			563
2227	C_8H_{18}	Octane	125.75	<120.5	<92		575
2228	$C_8H_{18}O$	Isobutyl ether	122.2	~119.5	~65		548
A =	**C_2Cl_6**	**Hexachloroethane**	**185**				
2229	$C_2HCl_3O_2$	Trichloroacetic acid	196	181	85		563
2230	$C_2H_3ClO_2$	Chloroacetic acid	189.35	171.2	75		529
2231	C_2H_5NO	Acetamide	221.2	Nonazeotrope			535
2232	$C_2H_6O_2$	Glycol	197.4	Nonazeotrope			530
2233	$C_2H_6SO_4$	Methyl sulfate	189.1	<181.5	<72		575
2234	C_3H_7NO	Propionamide	222.1	Nonazeotrope			535
2235	$C_4H_6O_4$	Methyl oxalate	164.2	Nonazeotrope			547
2236	$C_4H_8O_2$	Butyric acid	162.45	162.0			542
2237	$C_5H_4O_2$	2-Furaldehyde	161.45	Nonazeotrope			556
2238	$C_5H_8O_4$	Methyl malonate	181.4	176.0	45		538
2239	$C_5H_{10}O_2$	Isovaleric acid	176.5	172.6	63		527
2240	$C_5H_{10}O_2$	Valeric acid	186.35	179.0	70		562
2241	C_6H_6O	Phenol	182.2	173.7	70		574
2242	C_6H_7N	Aniline	184.35	176.75	66		551
2243	$C_6H_{10}O_3$	Ethyl acetoacetate	180.4	172.5	51		552
2244	$C_6H_{10}O_4$	Ethylidene diacetate	168.5	Nonazeotrope			575
2245	$C_6H_{10}O_4$	Ethyl oxalate	185.65	178.6	57		574
2246	$C_6H_{10}O_4$	Methyl succinate	195.5	<184.0			547

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**C_2Cl_6**	**Hexachloroethane *(continued)***	**185**			
2247	$C_6H_{12}O$	Cyclohexanol	160.65	Nonazeotrope		531
2248	C_7H_6O	Benzaldehyde	179.2	Nonazeotrope		563
2249	C_7H_7Br	*p*-Bromotoluene	185	~183.5	~70	530
2250	C_7H_8O	Benzyl alcohol	205.15	182.0	88	529
2251	C_7H_8O	*m*-Cresol	202.2	183.2	92	575
		"	202.2	Nonazeotrope		542
2252	C_7H_8O	*o*-Cresol	191.1	181.3	72	538
2253	C_7H_8O	*p*-Cresol	201.7	183.0	90	562
2254	$C_7H_{12}O_4$	Ethyl malonate	199.2	Nonazeotrope		547
2255	$C_8H_8O_2$	Phenyl acetate	195.7	Nonazeotrope		547
2256	$C_9H_{18}O_2$	Butyl isovalerate	177.6	Nonazeotrope		547
2257	$C_9H_{18}O_2$	Isoamyl butyrate	178.5	Nonazeotrope		538
2258	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	Nonazeotrope		575
2259	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	184.0	<80	547
2260	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope		575
2261	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		575
2262	$C_{10}H_{16}$	*d*-Limonene	177.8	Nonazeotrope		530
2263	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope		575
2264	$C_{10}H_{16}$	Terpinolene	~185	~182.5		563
2265	$C_{10}H_{16}$	Thymene	179.7	Nonazeotrope		530
2266	$C_{10}H_{16}O$	Fenchone	193	Nonazeotrope		563
2267	$C_{10}H_{18}O$	Cineol	176.35	Nonazeotrope		548
2268	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		532
2269	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope		547
A =	**C_2F_6**	**Hexafluoroethane**	**— 78**			
2270	C_2H_6	Ethane	— 88	— 92	69	120
A =	**$C_2HBrClF_3$**	**2-Bromo-2-chloro-1,1,1-trifluoroethane**				
2271	$C_4H_{10}O$	Ethyl ether	34.6	52.7	83.2	355
A =	**C_2HBrCl_2**	***cis*-1-Bromo-1,2-dichloroethylene**	**113.8**			
2272	C_2H_6O	Ethyl alcohol	78.3	77.4	30.9	988
A =	**C_2HBrCl_2**	***trans*-1-Bromo-1,2-dichloroethylene**				
2273	C_2H_6O	Ethyl alcohol	78.3	74.9	65.5	988
A =	**C_2HBrCl_2**	**1-Bromo-2,2-dichloroethylene**	**107-108**			
2274	C_2H_6O	Ethyl alcohol	78.3	77.25	39.5	988
A =	**C_2HBr_2Cl**	**1,2-Dibromochloroethylene**	**140**			
2275	C_2H_6O	Ethyl alcohol	78.3	74.9	65.5	533
2276	$C_4H_{10}O$	Butyl alcohol	117.75	117.0		533
A =	**C_2HBr_3O**	**Bromal**	**174**			
2277	$C_5H_{10}O_2$	Isovaleric acid	176.5	~170.3		563

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_2HClF_2**	**Chlorodifluoroethylene**					
2278	C_3F_6	Hexafluoropropene					
		5170 mm.		20°	27.7	v-l	615
A =	**C_2HClF_4**	**Tetrafluorochloroethane**	**— 10**				
2279	C_4F_8	Octafluorocyclobutane	— 4	— 12	80 vol. %		49
		" —20° to 80°		v.p. curve			748
		"		— 13	60		748,922
		" 30 kg./cm.²		107			922
A =	**C_2HCl_3**	**Trichloroethylene**	**86.9**				
2280	C_2H_3N	Acetonitrile 778 mm.	81.6	74.6	71	v-l	763,635c
2281	$C_2H_4Cl_2$	1,2-Dichloroethane	83.7	82.1	43.5		801
		"	83.45	82.6	18		549
		"	83.45	82.2	39		581
2282	$C_2H_4O_2$	Acetic acid	117.9	Nonazeotrope			981
		" "	118.5	86.5	96.2		545
2283	C_2H_5BrO	2-Bromoethanol	150.2	Nonazeotrope			575
2284	C_2H_5ClO	2-Chloroethanol	128.6	Nonazeotrope			564
		"	128.6	86.55	97.5		527
2285	$C_2H_5NO_3$	Ethyl nitrate	87	83.5	62		527
2286	C_2H_6O	Ethyl alcohol	78.3	70.9	72.5		297,803,73c, 837
2287	$C_2H_6O_2$	Glycol	197.4	Nonazeotrope			575
2288	$C_3H_6Cl_2$	1,2-Dichloropropane	96.3	Nonazeotrope			981
2289	C_3H_6O	Acetone	56.15	Nonazeotrope			552
2290	C_3H_6O	Allyl alcohol	96.9	80.9	84.4		358,563
2291	$C_3H_6O_3$	Methyl carbonate	90.35	85.95	90		527
2292	C_3H_7ClO	1-Chloro-2-propanol	127.0	Nonazeotrope			575
2293	C_3H_7ClO	2-Chloro-1-propanol	133.7	Nonazeotrope			575
2294	C_3H_7I	2-Iodopropane	89.45	< 86.5	<88		575
2295	C_3H_8O	Isopropyl alcohol	82.45	75.5	70		573
2296	C_3H_8O	Propyl alcohol	97.2	81.75	83		563
2297	$C_3H_9BO_3$	Methyl borate	68.7	Nonazeotrope			575
2298	C_4H_4S	Thiophene	84	Nonazeotrope			563
2299	C_4H_8O	2-Butanone	79.6	Nonazeotrope			501,552
2300	$C_4H_8O_2$	Butyric acid	162.5	Nonazeotrope			678
2301	$C_4H_8O_2$	Dioxane	101.35	Nonazeotrope			527
2302	$C_4H_8O_2$	Ethyl acetate	77.05	Nonazeotrope			563
		" "					
		" 700-760 mm.		Nonazeotrope		v-l	782
2303	$C_4H_8O_2$	Methyl propionate	79.85	Nonazeotrope			547
2304	$C_4H_8O_2$	Propyl formate	80.85	79.5	20		547
2305	$C_4H_9NO_2$	Butyl nitrite	78.2	Nonazeotrope			550
2306	$C_4H_{10}O$	Butyl alcohol	117.75	86.65	97		527
2307	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	84.2	85		567
2308	$C_4H_{10}O$	*tert*-Butyl alcohol	82.55	75.8	~ 67		532
2309	$C_4H_{10}O$	Isobutyl alcohol	108	85.4	91		563

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_2HCl_3**	**Trichloroethylene** *(continued)*	**86.9**				
2310	$C_4H_{10}S$	Diethyl sulfide 701 mm.	89.5	Nonazeotrope		v-l	635
2311	$C_4H_{10}S$	2-Methyl-1-propanethiol	88	Nonazeotrope			563
2312	$C_5H_{10}O$	Isovaleraldehyde	92.1	Nonazeotrope			575
2313	$C_5H_{10}O$	3-Methyl-2-butanone	95.4	Nonazeotrope			552
2314	$C_5H_{10}O$	3-Pentanone	102.05	Nonazeotrope			552
2315	$C_5H_{10}O_2$	Ethyl propionate	99.1	Nonazeotrope			575
2316	$C_5H_{10}O_2$	Isobutyl formate	98.2	Nonazeotrope			547
2317	$C_5H_{10}O_2$	Isopropyl acetate	89.5	Nonazeotrope			575
2318	$C_5H_{10}O_2$	Methyl isobutyrate	92.5	Nonazeotrope			547
2319	$C_5H_{11}NO_2$	Isoamyl nitrite	97.15	Nonazeotrope			550
2320	$C_5H_{12}O$	*tert*-Amyl alcohol	102.25	86.67	92.5		545
2321	$C_5H_{12}O$	Isoamyl alcohol	131.3	Nonazeotrope			527
2322	$C_5H_{12}O$	3-Methyl-2-butanol	112.6	Nonazeotrope			575
2323	$C_5H_{12}O$	2-Pentanol	119.8	Nonazeotrope			575
2324	$C_5H_{12}O$	3-Pentanol	116.0	Nonazeotrope			575
2325	$C_5H_{12}O_2$	Diethoxymethane	87.9	89.2	53.5		568
2326	C_6H_6	Benzene	80.2	Nonazeotrope			563
		"	80.1	Nonazeotrope		v-l	780
2327	C_6H_{10}	Cyclohexene	82.75	Azeotrope doubtful			563
2328	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope			563
		"	80.7	80.5	16.6	v-l	780
2328a	C_6H_{12}	1-Hexene 60°C.		Nonazeotrope		v-l	362c
2329	C_6H_{12}	Methylcyclopentane	72.0	Nonazeotrope			575
2330	C_6H_{14}	Hexane 60°C.		Nonazeotrope		v-l	362c
		"	68.8	Nonazeotrope			575
2331	$C_6H_{14}O$	Isopropyl ether	68.3	Nonazeotrope			559
2332	$C_6H_{14}O$	Propyl ether 699 mm.	87.2	Nonazeotrope		v-l	635
2333	$C_6H_{14}O_2$	Acetaldehyde diethyl acetal	103.55	Nonazeotrope			559
2334	C_7H_{14}	Methylcyclohexane	101.15	Nonazeotrope			575
2335	C_7H_{16}	Heptane	98.45	Nonazeotrope			563
A =	**C_2HCl_3O**	**Chloral**	**97.75**				
2336	$C_2H_4Cl_2$	1,2-Dichloroethane	83.75	Nonazeotrope			532
2337	$C_2H_5NO_2$	Nitroethane	114.2	Nonazeotrope			575
2338	C_2H_6O	Ethyl alcohol	78.3	116.2			563
2339	C_3H_5I	3-Iodopropene	101.8	~ 97.0	~80		548
2340	$C_3H_6O_3$	Methyl carbonate	90.35	~ 98.0	~85		548
2341	C_3H_7I	1-Iodopropane	102.4	~ 97.3			563
2342	C_3H_7I	2-Iodopropane	89.45	Nonazeotrope			548
2343	C_4H_8O	2-Butanone	79.6	Nonazeotrope			563
2344	$C_4H_8O_2$	Propyl formate	80.85	Nonazeotrope			548
2345	C_4H_9Br	1-Bromobutane	101.5	96.5			575
2346	C_4H_9Br	1-Bromo-2-methylpropane	91.4	Azeotrope doubtful			563
2347	C_4H_9Cl	1-Chlorobutane	78.5	Nonazeotrope			575
2348	C_4H_9I	1-Iodo-2-methylpropane	120.8	Nonazeotrope			575

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**C_2HCl_3O**	**Chloral** *(continued)*	**97.75**			
2349	$C_4H_{10}O$	Isobutyl alcohol	108	~138		563
2350	$C_5H_{10}O$	3-Pentanone	102.2	102.9	~23	563
2351	$C_5H_{10}O_2$	Butyl formate	106.8	Nonazeotrope		545
2352	$C_5H_{10}O_2$	Ethyl propionate	99.15	100.8		545
2353	$C_5H_{10}O_2$	Isobutyl formate	97.9	100.1	~60	528
2354	$C_5H_{10}O_2$	Isopropyl acetate	90.8	98.2	~85	548
2355	$C_5H_{10}O$	Methyl butyrate	102.65	103.3	45	545
2356	$C_5H_{10}O$	Methyl isobutyrate	92.3	98.2	~90	545
2357	$C_5H_{10}O_2$	Propyl acetate	101.6	102.55	50.5	528
2358	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	Nonazeotrope		575
2359	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.8	< 97.0	<85	548
2360	C_6H_6	Benzene	80.2	Nonazeotrope		528
2361	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope		545
2362	C_6H_{12}	Methylcyclopentane	72.0	Nonazeotrope		575
2363	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	Nonazeotrope		548
2364	C_6H_{14}	Hexane	68.8	Nonazeotrope		575
2365	C_7H_8	Toluene	110.75	Nonazeotrope		548
2366	C_7H_{14}	Methylcyclohexane	100.95	94.45	57	572
2367	C_7H_{16}	Heptane	98.45	93	53	545
2368	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	Nonazeotrope		575
2369	C_8H_{18}	2,5-Dimethylhexane	109.3	< 97.0	<90	545
2370	C_8H_{18}	Octane	125.75	Nonazeotrope		583
A =	**$C_2HCl_3O_2$**	**Trichloroacetic Acid**	**197.55**			
2371	C_2HCl_5	Pentachloroethane	161.95	161.8	3.5	574
2372	$C_2H_3ClO_2$	Chloroacetic acid	189.35	Nonazeotrope		530
2373	$C_2H_4O_2$	Methyl formate	31.9	Nonazeotrope		563
2374	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope		563
2375	C_6H_4BrCl	*p*-Bromochlorobenzene	196.4	<191.5	<47	575
2376	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.35	174.0	~12	530
2377	C_6H_5Br	Bromobenzene	156.1	Nonazeotrope		535
2378	C_6H_5I	Iodobenzene	188.55	~181	~25	563
2379	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope		554
2380	$C_6H_{12}O_2$	Caproic acid	205.15	210.4?	45?	575
		" "	204.5	Nonazeotrope		563
2381	C_7H_7Br	*o*-Bromotoluene	181.45	180.0	~18	535
2382	C_7H_7Cl	α-Chlorotoluene	179.3	~178.2	~14	530
2383	C_7H_7Cl	*o*-Chlorotoluene	159.2	Nonazeotrope		575
2384	C_7H_7I	*p*-Iodotoluene	214.5	<196.8		575
2385	C_7H_8O	*m*-Cresol	202.8	Nonazeotrope		563
2386	C_7H_8O	*o*-Cresol	190.8	Nonazeotrope		563
2387	C_7H_8O	*p*-Cresol	201.7	Reacts		535
2388	$C_7H_8O_2$	Guaiacol	205.05	Reacts		535
2389	C_8H_5O	Acetophenone	202.05	Nonazeotrope		530
2390	$C_{10}H_8$	Naphthalene	218.05	Nonazeotrope		530
2391	$C_{10}H_{14}$	Butylbenzene	183.1	181.3	20	562
2392	$C_{10}H_{14}$	Cymene	176.7	176.0?		575
2393	$C_{10}H_{16}$	*d*-Limonene	177.8	171		563

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_2HCl_3O_2$**	**Trichloroacetic Acid**	**197.55**			
		(continued)				
2394	$C_{11}H_{20}O$	Terpineol methyl ether	216.2	Nonazeotrope		537
A =	**C_2HCl_5**	**Pentachloroethane**	**162.0**			
2395	$C_2H_3BrO_2$	Bromoacetic acid	205.1	Nonazeotrope		527
2396	$C_2H_3ClO_2$	Chloroacetic acid	189.35	158.65	90.1	530
2397	$C_2H_4O_2$	Acetic acid	118.5	Nonazeotrope		542
2398	C_2H_5ClO	2-Chloroethanol	128.6	Nonazeotrope		526
2399	C_2H_5NO	Acetamide	221.2	160.5	97	574
2400	$C_2H_6O_2$	Glycol	197.4	154.5	~85	528
2401	$C_2H_6SO_4$	Methyl sulfate	189.1	Nonazeotrope		547
2402	$C_3H_5BrO_2$	α-Bromopropionic acid	205.8	Nonazeotrope		575
2403	$C_3H_6Cl_2O$	1,3-Dichloro-2-propanol	175.1	159.7	77.5	529
2404	$C_3H_6O_2$	Propionic acid	140.7	Nonazeotrope		563
2405	C_3H_7NO	Propionamide	222.1	Nonazeotrope		527
2406	$C_3H_7NO_2$	Ethyl carbamate	185.25	159.8	91	527
2407	$C_4H_6O_4$	Methyl oxalate	163.3	157.55	68	563
2408	$C_4H_7BrO_2$	Ethyl bromoacetate	158.9	158.5	30	516
2409	$C_4H_7ClO_2$	Ethyl chloroacetate	143.55	Nonazeotrope		580
2410	$C_4H_8O_2$	Butyric acid	163.5	156.75	74	565
2411	$C_4H_8O_2$	Isobutyric acid	154.35	152.9	57	563
2412	$C_4H_8O_3$	Methyl lactate	143.8	Nonazeotrope		573
2413	$C_4H_{10}O_2$	2-Ethoxyethanol	135.3	Nonazeotrope		526
2414	$C_5H_4O_2$	2-Furaldehyde	161.4	156.75	60	556
		"	161.4	155.15	50	528
2415	$C_5H_8O_3$	Methyl acetoacetate	169.5	<159.4	>40	563
2416	$C_5H_8O_4$	Methyl malonate	181.5	Nonazeotrope		547
2417	$C_5H_9ClO_2$	Propyl chloroacetate	162.5	160.5	60	575
2418	$C_5H_{10}O_2$	Isovaleric acid	176.5	160.25	91	527
2419	$C_5H_{10}O_2$	Valeric acid	186.35	161.5	97.2	527
2420	$C_5H_{10}O_3$	Ethyl lactate	153.9	153.45	35	529
2421	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	Nonazeotrope		575
2422	$C_5H_{11}NO_3$	Isoamyl nitrate	~149.6	Nonazeotrope		541
2423	$C_5H_{12}O$	Isoamyl alcohol	131.3	Nonazeotrope		527
2424	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	Nonazeotrope		526
2425	C_6H_5Br	Bromobenzene	156.1	Nonazeotrope		575
2426	C_6H_5ClO	*o*-Chlorophenol	176.8	Nonazeotrope		575
		"	175.5	160		563
2427	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope		554
2428	C_6H_6O	Phenol	181.5	160.85	90.5	563
2429	C_6H_7N	Aniline	184.35	Nonazeotrope		551
2430	$C_6H_{10}O$	Cyclohexanone	155.7	165.0	73	552
2431	$C_6H_{10}O_3$	Ethyl acetoacetate	180.4	Nonazeotrope		552
2432	$C_6H_{10}O_4$	Ethyl oxalate	185.65	Nonazeotrope		527
2433	$C_6H_{11}BrO_2$	Ethyl α-bromoisobutyrate	178	Nonazeotrope		532
2434	$C_6H_{11}ClO_2$	Isobutyl chloroacetate	174.5	Nonazeotrope		575
2435	$C_6H_{12}O$	Cyclohexanol	160.65	157.9	64	563
2436	$C_6H_{12}O_2$	Isocaproic acid	199.5	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	C_2HCl_5	**Pentachloroethane** *(continued)*	**162.0**			
2437	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope		556
2438	$C_6H_{12}O_3$	Propyl lactate	171.7	Nonazeotrope		563
2439	$C_6H_{14}O$	Hexyl alcohol	157.95	155.75	54	538
2440	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	Nonazeotrope		575
2441	$C_6H_{14}O_2$	Pinacol	174.35	158.8	~84	529
2442	C_7H_8O	Benzaldehyde	179.2	Nonazeotrope		536
2443	C_7H_7Cl	*o*-Chlorotoluene	159.2	Nonazeotrope		575
2444	C_7H_7Cl	*p*-Chlorotoluene	161.3	Nonazeotrope		563
2445	C_7H_8O	Anisole	153.85	Nonazeotrope		529
2446	C_7H_8O	*o*-Cresol	190.8	Nonazeotrope		563
2447	$C_7H_{14}O$	Heptaldehyde	155	Max. b.p.		262
2448	$C_7H_{14}O_2$	Amyl acetate	148.8	Nonazeotrope		575
2449	$C_7H_{14}O_2$	Ethyl valerate	145.45	Nonazeotrope		575
2450	$C_7H_{14}O_2$	Isoamyl acetate	142.1	Nonazeotrope		575
2451	$C_7H_{14}O_2$	Methyl caproate	149.8	Nonazeotrope		575
2452	$C_7H_{14}O_2$	Propyl butyrate	143.7	Nonazeotrope		575
2453	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	Nonazeotrope		575 575
2454	$C_7H_{16}O$	Heptyl alcohol	176.15	Nonazeotrope		575
2455	$C_7H_{16}O_3$	Ethyl orthoformate	145.75	Nonazeotrope		559
2456	C_8H_8	Styrene	145.8	Nonazeotrope		575
2457	C_8H_{10}	*o*-Xylene	144.3	Nonazeotrope		575
2458	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope		559
2459	$C_8H_{10}O$	*p*-Methylanisole	177.05	Nonazeotrope		559
2460	$C_8H_{10}O$	Phenetole	170.35	Nonazeotrope		530
2461	$C_8H_{14}O$	Methyl heptenone	173.2	Nonazeotrope		552
2462	$C_8H_{16}O$	2-Octanone	174.1	Nonazeotrope		573
2463	$C_8H_{16}O_2$	Ethyl caproate	167.8	Nonazeotrope		547
2464	$C_8H_{16}O_2$	Hexyl acetate	171.5	Nonazeotrope		575
2465	$C_8H_{16}O_2$	Isoamyl propionate	160.3	158.7	50	563
2466	$C_8H_{16}O_2$	Isobutyl butyrate	157	<156.5		547
2467	$C_8H_{16}O_2$	Propyl isovalerate	155.7	Nonazeotrope		547
2468	$C_8H_{18}O$	*sec*-Octanol	179.0	Nonazeotrope		529
2469	$C_8H_{20}SiO_4$	Ethyl silicate	168.8	Nonazeotrope		575
2470	C_9H_{12}	Cumene	152.8	Nonazeotrope		575
2471	C_9H_{12}	Mesitylene	164.6	166.0	40	529
2472	C_9H_{12}	Pseudocumene	168.2	>168.35	<22	575
		"	169	Nonazeotrope		563
2473	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	Nonazeotrope		551
2474	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	169.0	35	552
2475	$C_9H_{18}O_2$	Isoamyl isobutyrate	169.8	Nonazeotrope		575
2476	$C_9H_{18}O_2$	Isobutyl isovalerate	171.35	Nonazeotrope		538
2477	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		575
2478	$C_{10}H_{16}$	Camphene	159.6	159.5	3	529
2479	$C_{10}H_{16}$	Dipentene	177.7	Nonazeotrope		575
2480	$C_{10}H_{16}$	α-Pinene	155.8	155.6	11	529

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_2HCl_5**	**Pentachloroethane** *(continued)*	**162.0**				
2481	$C_{10}H_{16}$	Nopinene	163.8	160.7	>62		562
		"	163.8	~166	~42		563
2482	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope			575
2483	$C_{10}H_{18}$	*m*-Menthene-8	170.8	Nonazeotrope			575
2484	$C_{10}H_{18}O$	Cineol	176.4	Nonazeotrope			528
2485	$C_{10}H_{22}$	Decane	173.3	Nonazeotrope			575
2486	$C_{10}H_{22}O$	Isoamyl ether	173.5	Nonazeotrope			548
A =	**$C_2HF_3O_2$**	**Trifluoroacetic Acid**					
2486a	C_4F_{10}	Perfluorobutane crit. press.				v-l	1049c
A =	**C_2H_2**	**Acetylene**	**— 84**				
2487	C_2H_4	Ethylene	—103.9	Min. b.p.			156
		"	—103.7		18		829
		" Crit. press.			19		829
		" —35°, 0°, 40°F.				v-l	387
2488	C_2H_6	Ethane	— 88.3		39		829
		" Crit. press.			44		829
		" —35°, 0°, 40°F.				v-l	387
		"	— 88.3	— 94.5	40.75		499,646
2489	C_3H_4	Propyne, —50° to 35°C.		Nonazeotrope		v-l	103
A =	**C_2H_2BrCl**	***cis*-1-Bromo-2-chloroethylene**	**106.7**				
2490	C_2H_6O	Ethyl alcohol	78.3	72.4	73.3		533
2491	$C_5H_{10}O_2$	Ethyl propionate	99.1	Nonazeotrope			575
2492	$C_5H_{10}O_2$	Propyl acetate	101.6	Nonazeotrope			575
2493	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	Nonazeotrope			575
A =	**C_2H_2BrCl**	***trans*-1-Bromo-2-chloroethylene**	**75.3**				
2494	C_2H_6O	Ethyl alcohol	78.3	66.3	82		533
A =	**C_2H_2BrI**	***cis*-1-Bromo-2-iodoethylene**	**149.05**				
2495	$C_2H_4O_2$	Acetic acid	118.1	115.6	40.5		575
2496	$C_3H_6O_2$	Propionic acid	141.3	135.3	65.2		575
2497	$C_4H_{10}O$	Butyl alcohol	117.8	117.3	32.4		575
2498	$C_8H_{16}O_2$	Butyl Butyrate	165.8	141.5	55		575
A =	**$C_2H_2Br_2$**	***cis*-1,2-Dibromoethylene**	**112.5**				
2499	C_2H_6O	Ethyl alcohol	78.3	77.7	32.5		563
A =	**$C_2H_2Br_2$**	***trans*-1,2-Dibromoethylene**	**108**				
2500	C_2H_6O	Ethyl alcohol	78.3	75.6	64		563
A =	**C_2H_2ClI**	***cis*-1-Chloro-2-iodoethylene**	**116-117**				
2501	C_3H_8O	Propyl alcohol	97.20	93.6	55.6		988
2502	$C_4H_{10}O$	Butyl alcohol	117.8	108.5	75		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_2H_2ClI**	***trans*-1-Chloro-2-iodoethylene**	**113-114**				
2503	C_3H_8O	Propyl alcohol	97.20	87.5	96		988
A =	**$C_2H_2Cl_2$**	***cis*-1,2-Dichloroethylene**	**60.25**				
2504	C_2H_6O	Ethyl alcohol	78.3	57.7	90.20		148
		" "	78.3	Calculated		v-l	12
2505	C_3H_6O	Acetone	56.4	61.9	73	v-l	12
2506	$C_3H_6O_2$	Ethyl formate	54.0	Nonazeotrope		v-l	12
2507	$C_3H_6O_2$	Methyl acetate	57.2	61.7	73	v-l	12
2508	$C_3H_8O_2$	Methylal	42.6	Nonazeotrope		v-l	280
2509	C_4H_8O	2-Butanone	79.6	Nonazeotrope		v-l	12
2510	C_4H_8O	Tetrahydrofuran	66.1	69.8	44.5	v-l	280
		"	66	69.9	46.0		224
2511	C_6H_6	Benzene	80.15	Nonazeotrope			575
2512	$C_6H_{14}O$	Isopropyl ether	68.0	Nonazeotrope		v-l	280
A =	**$C_2H_2Cl_2$**	***trans*-1,2-Dichloroethylene**	**48.35**				
2513	C_2H_6O	Ethyl alcohol	78.3	46.5	94.0		148
		" "	78.3	Calculated		v-l	12
2514	C_3H_6O	Acetone	56.4	Nonazeotrope		v-l	12
2515	$C_3H_6O_2$	Ethyl formate	54.0	Nonazeotrope		v-l	12
2516	$C_3H_6O_2$	Methyl acetate	57.2	Nonazeotrope		v-l	12
2517	$C_3H_8O_2$	Methylal	42.6	48.6	79.3	v-l	280
2518	C_4H_8O	2-Butanone	79.6	Nonazeotrope		v-l	12
2519	C_4H_8O	Tetrahydrofuran	66.1	Nonazeotrope		v-l	280
2520	$C_6H_{14}O$	Isopropyl ether	68.0	Nonazeotrope		v-l	280
A =	**$C_2H_2Cl_2O_2$**	**Dichloroacetic Acid**	**190**				
2521	$C_2H_4O_2$	Methyl formate	31.9	Nonazeotrope			563
2522	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope			563
2523	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope			554
2524	C_6H_6O	Phenol	181.5	Nonazeotrope			563
2525	C_7H_7Br	*o*-Bromotoluene	181.75	175.5	25		563
2526	C_7H_8O	*m*-Cresol	202.2	Nonazeotrope			544
2527	C_7H_8O	*o*-Cresol	190.8	~189			563
2528	$C_7H_8O_2$	Guaiacol	205.05	Reacts			575
A =	**$C_2H_2Cl_4$**	**1,1,2,2-Tetrachloroethane**	**146.25**				
2529	$C_2H_3ClO_2$	Chloroacetic acid	189.35	Nonazeotrope			575
		" "	189.35	146.25	98.2		530
2530	$C_2H_4Cl_2O$	2,2-Dichloroethanol	146.2	<144.0	52		575
2531	$C_2H_4O_2$	Acetic acid	118.5	Nonazeotrope			563
2532	C_2H_5BrO	2-Bromoethanol	150.2	141.5			575
2533	C_2H_5ClO	2-Chloroethanol	128.6	128.2	31		564
2534	C_2H_5IO	2-Iodoethanol	176.5	Nonazeotrope			575
2535	C_2H_5NO	Acetamide	221.2	Nonazeotrope			527
2536	$C_2H_6O_2$	Glycol	197.4	144.9	93		526
2537	$C_3H_5ClO_2$	Methyl chloroacetate	130.0	Nonazeotrope			532

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_2H_2Cl_4$**	**1,1,2,2-Tetrachloroethane**	**146.25**				
		(continued)					
2538	$C_3H_6Cl_2O$	1,3-Dichloro-2-propanol	174.5	Nonazeotrope			563
2539	$C_3H_6O_2$	Propionic acid	140.7	140.4	40		379,527
2540	C_3H_7ClO	1-Chloro-2-propanol	127.0	Nonazeotrope			575
2541	C_3H_7NO	Propionamide	222.1	Nonazeotrope			527
2542	$C_3H_7NO_2$	Ethyl carbamate	185.25	Nonazeotrope			564
2543	C_3H_8O	Propyl alcohol	97.25	Nonazeotrope			574
2544	$C_3H_8O_2$	2-Methoxyethanol	124.5	Nonazeotrope			526
2545	$C_4H_6O_4$	Methyl oxalate	164.2	Nonazeotrope			547
2546	$C_4H_7BrO_2$	Ethyl bromoacetate	158.2	Nonazeotrope			532
2547	$C_4H_7ClO_2$	Ethyl chloroacetate	143.6	147.45	73		528
2548	$C_4H_8O_2$	Butyric acid	162.45	145.65	96.2		527
2549	$C_4H_8O_2$	Isobutyric acid	154.35	144.8	93		563
2550	$C_4H_8O_3$	Methyl lactate	143.8	Nonazeotrope			572
2551	$C_4H_{10}O$	Butyl alcohol	117.75	Nonazeotrope			527
2552	$C_4H_{10}O$	Isobutyl alcohol 80°C.		Nonazeotrope		v-l	791c
		" 95°C.		Nonazeotrope		v-l	791c
		"	107	Nonazeotrope		v-l	296,791c
2553	$C_4H_{10}O_2$	2-Ethoxyethanol	135.3	Nonazeotrope			556
2554	$C_5H_4O_2$	2-Furaldehyde	161.45	161.55	3		556
2555	$C_5H_6O_2$	Furfuryl alcohol	169.35	Nonazeotrope			575
2556	$C_5H_8O_3$	Methyl acetoacetate	169.5	Nonazeotrope			563
2557	$C_5H_9ClO_2$	Propyl chloroacetate	162.5	Nonazeotrope			575
2558	$C_5H_{10}O_2$	Isovaleric acid	176.5	Nonazeotrope			527
2559	$C_5H_{10}O_2$	Valeric acid	186.35	Nonazeotrope			527
2560	$C_5H_{10}O_3$	Ethyl carbonate	126.0	Nonazeotrope			547
2561	$C_5H_{10}O_3$	Ethyl lactate	153.9	Nonazeotrope			573
2562	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	150.9	63		527
2563	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	Nonazeotrope			572
2564	$C_5H_{11}NO_3$	Isoamyl nitrate	149.75	Nonazeotrope			560
2575	$C_5H_{12}O$	Isoamyl alcohol	131.3	Nonazeotrope			527
		" "	131.3	131.25	2		529
2566	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	Nonazeotrope			556
2567	C_6H_5Br	Bromobenzene	156.1	Nonazeotrope			575
2568	C_6H_5ClO	*o*-Chlorophenol	175.5	Nonazeotrope			563
2569	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope			554
2570	C_6H_6O	Phenol	181.5	Nonazeotrope			563
2571	C_6H_7N	Aniline	184.35	Nonazeotrope			551
2572	$C_6H_{10}O$	Cyclohexanone	155.7	159.0	45		552
2573	$C_6H_{10}O$	Mesityl oxide	129.4	147.5	85		573
2574	$C_6H_{10}S$	Allyl sulfide	139.35	>148.5			556
2574a	C_6H_{12}	1-Hexene 60°C.		Nonazeotrope		v-l	362c
2575	$C_6H_{12}O$	Cyclohexanol	160.7	Nonazeotrope			532
2576	$C_6H_{12}O_2$	Isobutyl acetate	117.4	Nonazeotrope			575
2577	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	158.25	26		556
2577a	C_6H_{14}	Hexane 60°C.		Nonazeotrope		v-l	362c
2578	$C_6H_{14}O$	Hexyl alcohol	157.85	Nonazeotrope			575
2579	$C_6H_{14}O_2$	2-Butoxyethanol	171.25	Nonazeotrope			526

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A =	**$C_2H_2Cl_4$**	**1,1,2,2-Tetrachloroethane** *(continued)*	**146.25**			
2580	$C_5H_{14}S$	Propyl sulfide	141.5	>150.0	82	562
2581	C_7H_8	Toluene	110.75	Nonazeotrope		575
2582	C_7H_8O	Anisole	153.85	Nonazeotrope		572
2583	$C_7H_{14}O$	Heptaldehyde	155	Max. b.p.		262
2584	$C_7H_{14}O$	4-Heptanone	143.55	148.5		552
2585	$C_7H_{14}O_2$	Amyl acetate	148.8	153.1	40	562
2586	$C_7H_{14}O_2$	Butyl propionate	146.5	152.5	55	547
2587	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	147.0		538
2588	$C_7H_{14}O_2$	Isoamyl acetate	142.1	150.1	68	530
		" "	138.8	Nonazeotrope		563
2589	$C_7H_{14}O_2$	Isobutyl propionate	136.9	>148.5	90	572
		" "	136.9	Nonazeotrope		563
2590	$C_7H_{14}O_2$	Methyl caproate	149.7	153	50	573
2591	$C_7H_{14}O_2$	Propyl butyrate	142.8	150.2	66	538
2592	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	Nonazeotrope		575
2593	$C_7H_{16}O_3$	Ethyl orthoformate	145.75	151.5	61	568
2594	C_8H_8	Styrene	145.7	~143.5	~55	563
2595	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope		575
2596	C_8H_{10}	*m*-Xylene	139.2	Nonazeotrope		527
		"	139.1		99.94	592
2597	C_8H_{10}	*o*-Xylene	144.4	147	70.2	592
		"	144.3	Nonazeotrope		575
2598	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	Nonazeotrope		575
2599	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope		546
2600	$C_8H_{16}O_2$	Isoamyl propionate	160.7	Nonazeotrope		575
2601	$C_8H_{16}O_2$	Isobutyl butyrate	156.8	158.0	~88	538
2602	$C_8H_{16}O_2$	Isobutyl isobutyrate	147.3	151.5	65	573
2603	$C_8H_{18}O$	Butyl ether	142.2	148.0	70	559
2604	C_9H_{12}	Cumene	152.8	Nonazeotrope		575
A =	**$C_2H_2F_4$**	**1,1,2,2-Tetrafluoroethane**	**— 23**			
2605	$C_2H_2F_4$	1,1,1,2-Tetrafluoroethane	— 26.1	— 29		182
A =	**C_2H_3Br**	**Bromoethylene**	**15.8**			
2606	$C_2H_4O_2$	Methyl formate	31.9	Nonazeotrope		563
2607	C_2H_5Cl	Chloroethane	13.3	Nonazeotrope		563
2608	$C_2H_5NO_2$	Ethyl nitrite	17.4	< 14.8	>64	550
2609	C_2H_6O	Ethyl alcohol	78.3	Nonazeotrope		542
2610	$C_3H_7NO_2$	Isopropyl nitrite	40.1	Nonazeotrope		550
2611	C_5H_8	Isoprene	34.3	Nonazeotrope		575
2612	C_5H_{10}	3-Methyl-1-butene	20.6	< 15.0	<78	575
2613	C_5H_{12}	2-Methylbutane	27.95	< 13.0	75	575
2614	C_5H_{12}	Pentane	36.15	Nonazeotrope		575
A =	**$C_2H_3BrO_2$**	**Bromoacetic Acid**	**205.1**			
2615	$C_6H_4Br_2$	*p*-Dibromobenzene	220.25	<201.5	>55	527
2616	$C_6H_4Cl_2$	*o*-Dichlorobenzene	179.5	177.0	16	575
2617	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.4	172.8	13	527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_2H_3BrO_2$**	**Bromoacetic Acid *(continued)***	**205.1**				
2618	C_6H_5Br	Bromobenzene	156.1	Nonazeotrope			527
2619	C_6H_5I	Iodobenzene	188.45	<184.3	20		575
2620	$C_6H_5NO_2$	Nitrobenzene	210.75	202.25	63		554
2621	$C_6H_{12}O_2$	Caproic acid	205.15	204.4			575
2622	C_7H_7Br	*m*-Bromotoluene	184.3	181.2			527
2623	C_7H_7Br	*o*-Bromotoluene	181.5	179.0	18		527
2624	C_7H_7I	*p*-Iodotoluene	214.5	<198.0	54		575
2625	C_7H_8O	*p*-Cresol	201.8	Nonazeotrope			563
2626	$C_7H_8O_2$	Guaiacol	205.05	203.7	40		527
			205.1	Nonazeotrope			563
2627	$C_7H_{14}O_2$	Enanthic acid	222.0	Nonazeotrope			575
2628	C_8H_8O	Acetophenone	202.0	206.5	70		527
2629	$C_8H_8O_2$	Methyl benzoate	199.4	Nonazeotrope			527
2630	$C_8H_{10}O_2$	*o*-Ethoxyphenol	216.5	Nonazeotrope			527
2631	$C_9H_{10}O_2$	Ethyl benzoate	212.5	Nonazeotrope			575
2632	C_9H_{12}	Mesitylene	164.6	Nonazeotrope			575
2633	C_9H_{12}	Propylbenzene	159.3	Nonazeotrope			575
2634	$C_{10}H_8$	Naphthalene	218.0	<201.3	>72		562
2635	$C_{10}H_{14}$	Butylbenzene	183.1	179.5	25		562
2636	$C_{10}H_{14}$	Cymene	176.7	174.7	15		562
2637	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope			575
2638	$C_{11}H_{20}O$	Terpineol methyl ether	216	Reacts			563
2639	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	<199.0	<76		562
A =	**C_2H_3Cl**	**Vinyl Chloride**	**— 13.4**				
2639a	C_2H_4	Ethylene crit. region				v-l	221c
2640	$C_2H_4Cl_2$	1,2-Dichloroethane	83.5	Nonazeotrope			981
		"	83.7	Nonazeotrope		v-l	951c
2641	C_3H_6O	Acetone	56.1	Nonazeotrope			981
2642	C_4H_6	1,3-Butadiene	— 4.5	Nonazeotrope			215
		" —30° to —60°C.		v.p. curves			351c
2643	C_4H_8	1-Butene	— 6	Nonazeotrope			215
A =	**$C_2H_3ClO_2$**	**Chloroacetic Acid**	**189.35**				
2644	$C_2H_4Br_2$	1,2-Dibromoethane	131.65	Nonazeotrope			535
2645	$C_2H_4O_2$	Methyl formate	31.9	Nonazeotrope			563
2646	$C_2H_6SO_4$	Methyl sulfate	189.1	194.5?			575
2647	$C_3H_5Cl_3$	1,2,3-Trichloropropane	156.85	154.5	10		574
2648	C_3H_8O	Propyl alcohol	97.2	Nonazeotrope			575
2649	$C_4H_6O_4$	Methyl oxalate	164.45	Nonazeotrope			575
2650	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope			563
2651	$C_5H_{10}O_2$	Isovaleric acid	176.5	Nonazeotrope			563
2652	$C_5H_{10}O_2$	Valeric acid	186.35	186.33	3		527
2653	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	147.4			545
2654	$C_6H_3Cl_3$	1,3,5-Trichlorobenzene	208.4	<185.0	<72		575
2655	C_6H_4BrCl	*p*-Bromochlorobenzene	196.4	<181.5	<58		575
2656	$C_6H_4Br_2$	*p*-Dibromobenzene	220.25	186.3	74		535
2657	$C_6H_4Cl_2$	*o*-Dichlorobenzene	179.5	170.8	28		545

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	$C_2H_3ClO_2$	**Chloroacetic Acid** *(continued)*	**189.35**			
2658	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.1	167.55	24.5	529
2659	C_6H_5Br	Bromobenzene	156.1	154.3	11	573
2660	C_6H_5Cl	Chlorobenzene	132.0	Nonazeotrope		573
2661	C_6H_5I	Iodobenzene	188.55	175.3	~35	563
2662	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope		554
2663	C_6H_6O	Phenol	181.5	Nonazeotrope		563
2664	$C_6H_8O_4$	Methyl fumarate	193.25	195.7	42	569
2665	$C_6H_8O_4$	Methyl maleate	204.05	Nonazeotrope		575
2666	$C_6H_{10}O_4$	Methyl succinate	195.5	197.0	28	562
2667	$C_6H_{10}O_4$	Ethyl oxalate	185.65	190.25	70	568
2668	$C_6H_{12}O_2$	Caproic acid	205.15	Nonazeotrope		575
2669	$C_7H_6Cl_2$	α,α-Dichlorotoluene	205.2	189.1	97	538
			205.1	Nonazeotrope		563
2670	C_7H_6O	Benzaldehyde	179.2	Azeotrope doubtful		563
2671	C_7H_7Br	α-Bromotoluene	198.5	~183	~82	563
2672	C_7H_7Br	*m*-Bromotoluene	183.8	174	30	527
2673	C_7H_7Br	*o*-Bromotoluene	181.75	172.95	32	563
2674	C_7H_7Br	*p*-Bromotoluene	185.0	174.1	34	574
2675	C_7H_7Cl	α-Chlorotoluene	179.3	173.8	25	530
2676	C_7H_7Cl	*o*-Chlorotoluene	159.3	156.8	12	545
2677	C_7H_7Cl	*p*-Chlorotoluene	162.4	159.3	14	545
2678	C_7H_7I	*p*-Iodotoluene	214.5	<184.8	<78	575
2679	C_7H_8O	*m*-Cresol	202.2	Nonazeotrope		575
2680	C_7H_8O	*o*-Cresol	191.1	187.5	~54	535
			191.8	Nonazeotrope		563
2681	C_7H_8O	*p*-Cresol	201.7	Nonazeotrope		544
2682	$C_7H_8O_2$	Guaiacol	205.05	Nonazeotrope		575
2683	$C_7H_{13}ClO_3$	Isoamyl chloroacetate	195	Nonazeotrope		563
2684	C_8H_8	Styrene	145.8	144.8	14	562
2685	$C_8H_8O_2$	Methyl benzoate	199.4	Nonazeotrope		575
2686	$C_8H_8O_2$	Phenyl acetate	195.7	Nonazeotrope		575
2687	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope		575
2688	C_8H_{10}	*o*-Xylene	144.3	143.5	12	562
2689	C_8H_{10}	*m*-Xylene	139.2	139.05	7	527
2690	C_8H_{10}	*p*-Xylene	138.45	138.35	4?	575
2691	$C_8H_{10}O$	Phenetole	171.5	Nonazeotrope		563
2692	$C_8H_{12}O_4$	Ethyl maleate	223.3	195.7	42	526
2693	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope		575
2694	$C_8H_{16}O_2$	Ethyl caproate	167.7	Nonazeotrope		575
2695	$C_8H_{16}O_2$	Hexyl acetate	171.5	Nonazeotrope		575
2696	C_8H_{18}	Octane	125.75	Nonazeotrope		575
2697	C_9H_8	Indene	182.5	174.5		575
2698	C_9H_{12}	Cumene	152.8	150.8	21	562
2699	C_9H_{12}	Mesitylene	164.6	162	17	573
2700	C_9H_{12}	Propylbenzene	158.9	156.0		545
2701	C_9H_{12}	Pseudocumene	168.2	162.8	34	562

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_2H_3ClO_2$**	**Chloroacetic Acid *(continued)***	**189.35**				
2702	$C_9H_{18}O_2$	Butyl isovalerate	177.6	Nonazeotrope			575
2703	$C_9H_{18}O_2$	Ethyl enanthate	188.7	185.5	48		562
2704	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	Nonazeotrope			575
2705	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	Nonazeotrope			575
2706	$C_9H_{18}O_2$	Methyl caprylate	192.9	187.5	67		562
2707	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	192.5	40		562
2708	$C_{10}H_8$	Naphthalene	218.05	187.1	78		530
			218.05	Nonazeotrope			528
2709	$C_{10}H_{14}$	Butylbenzene	183.1	172.8	52		562
2710	$C_{10}H_{14}$	Cymene	175.3	166	~35		563
		"	176.7	169.0	42		562
2711	$C_{10}H_{16}$	Camphene	159.6	~154.7	~15		530
2712	$C_{10}H_{16}$	*d*-Limonene	177.8	167.8	34		563
2713	$C_{10}H_{16}$	Nopinene	163.8	157.6	30		562
2714	$C_{10}H_{16}$	α-Phellandrene	171.5	~163.5	~20		563
2715	$C_{10}H_{16}$	α-Pinene	155.8	152.0			545
2716	$C_{10}H_{16}$	α-Terpinene	173.4	166.0			575
2717	$C_{10}H_{16}$	Terpinolene	185	~ 173	~ 47		563
2718	$C_{10}H_{16}$	Terpinene	180.5	170	~38		563
		"	181.5	170			545
2719	$C_{10}H_{18}O$	Cineol	176.4	Nonazeotrope			556
2720	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	187.7	65		564
2721	$C_{10}H_{22}$	Decane	173.3	165.2	42		564
2722	$C_{10}H_{22}$	2,7-Dimethyloctane	160.1	155.7	28		575
2723	$C_{10}H_{22}O$	Amyl ether	187.5	<184.3	<50		575
2724	$C_{10}H_{22}O$	Isoamyl ether	173.2	171.95	16		556
		" "	172.6	Nonazeotrope			537
2725	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope			575
2726	$C_{11}H_{20}O$	Isobornyl methyl ether	192.2	Reacts			563
2727	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	185.5	75		562
A =	**$C_2H_3Cl_3$**	**1,1,1-Trichloroethane**	**74.1**				
2728	$C_2H_3Cl_3$	1,1,2-Trichloroethane	113.5	Nonazeotrope		v-l	58,240
2729	$C_2H_4Cl_2$	1,2-Dichloroethane	83.7	Nonazeotrope		v-l	58
2730	$C_2H_4Cl_2$	1,1-Dichloroethane	57.4	Nonazeotrope			266
2730a	C_6H_{12}	1-Hexene	68	Nonazeotrope		v-l	362c
2730b	C_6H_{14}	Hexane 581 mm.		60	28.9	v-l	362c
A =	**$C_2H_3Cl_3$**	**1,1,2-Trichloroethane**	**113.5**				
2731	$C_2H_4Cl_2$	1,2-Dichloroethane	83.7	Nonazeotrope		v-l	58
2732	$C_2H_4O_2$	Acetic acid	118.1	106.0	70		562
2733	C_2H_5NO	Acetamide	221.2	Nonazeotrope			535
2734	C_2H_6O	Ethyl alcohol	78.3	77.8	30		532
2735	$C_2H_6O_2$	Glycol	197.4	Nonazeotrope			575
2736	C_3H_6O	Acetone	56.1	Nonazeotrope		v-l	969
2737	$C_3H_6O_2$	Propionic acid	141.3	Nonazeotrope			575
2738	$C_4H_8O_2$	Butyric acid	164.0	Nonazeotrope			575
2739	$C_4H_8O_2$	Dioxane	101	Max. b.p.			262

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_2H_3Cl_3$**	**1,1,2-Trichloroethane** *(continued)*	**113.5**				
2740	$C_4H_{10}O$	Isobutyl alcohol	108.0	<103.8	>62		575
2741	C_5H_5N	Pyridine	115	Max. b.p.			262
2742	$C_5H_{10}O_2$	Propyl acetate	101.6	Nonazeotrope			575
2742a	C_6H_{12}	1-Hexene 60°C.		Nonazeotrope		v-l	362c
2743	$C_6H_{12}O_2$	Ethyl butyrate	121	Max. b.p.			262
2744	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	Nonazeotrope			547
2744a	C_6H_{14}	Hexane 60°C.		Nonazeotrope		v-l	362c
2745	C_7H_{14}	Methylcyclohexane	101.15	Nonazeotrope			575
A =	**$C_2H_3Cl_3O$**	**Methyl Trichloromethyl Ether**	**131.2**				
2746	$C_3H_8O_2$	2-Methoxyethanol	124.5	123.0	75?		575
2747	C_4H_5N	Pyrrol	130.0	<127.5			575
2748	C_5H_8O	Cyclopentanone	130.65	<130.2			575
2749	$C_6H_{12}O$	2-Hexanone	127.2	Nonazeotrope			575
2750	$C_6H_{14}S$	Isopropyl sulfide	120.5	Nonazeotrope			575
2751	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			575
A =	**$C_2H_3Cl_3O$**	**2,2,2-Trichloroethanol**					
2752	$C_4H_{11}PO_3$	Diethylphosphite 3mm.		60	49.5		24
A =	**$C_2H_3Cl_3O_2$**	**Chloral Hydrate**	**97.5**				
2753	$C_4H_8O_2$	Ethyl acetate	77.05	Nonazeotrope			563
2754	$C_5H_{10}O_2$	Propyl acetate	101.55	~ 96.5			563
2755	C_6H_5Cl	Chlorobenzene	131.8	Nonazeotrope			563
2756	C_6H_{12}	Cyclohexane	80.75	76	~22		563
A =	**$C_2H_3F_3O$**	**2,2,2-Trifluoroethanol**					
2757	C_2H_6O	Ethyl alcohol	78.3	81.75	57.65		669
A =	**C_2H_3N**	**Acetonitrile**	**81.6**				
2758	$C_2H_4Cl_2$	1,2-Dichloroethane	83.15	~ 79.1	49	v-l	765
2758a	$C_2H_4O_2$	Acetic acid	118.1	Nonazeotrope		v-l	635e
2759	C_2H_5I	Iodoethane	72.3	< 64.2			565
2760	C_2H_6O	Ethyl alcohol	78.3	72.5	44		563
2761	C_3H_3N	Acrylonitrile	77.3	Nonazeotrope		v-l	768,63
		"	77.3	ideal		v-l	997c
		" 200–760 mm.		Nonazeotrope		v-l	905f
2762	C_3H_6O	Acetone	56.4	Nonazeotrope		v-l	763,94
		" 30°–60°C.		ideal		v-l	989c
2763	$C_3H_6O_2$	Methyl acetate	56.95	Nonazeotrope			565
2764	C_3H_7Br	1-Bromopropane	71.0	63.0	22		565
2765	C_3H_7NO	*N, N*-Dimethylformamide	153	Nonazeotrope			981
		" 100-500 mm.		Nonazeotrope			981
2766	C_3H_8	Propane, 280 p.s.i.a.		55	2.2		437
2767	C_3H_8O	Isopropyl alcohol	82.5	74.5	52		527
2768	C_3H_8O	Propyl alcohol	97.2	81.2	~72		563
2769	C_3H_9SiCl	Chlorotrimethylsilane	57.5	56	7.4		841,843
		"	57.9	56.5	7.33	v-l	484
2769a	$C_4H_8O_2$	Dioxane	101.3	Nonazeotrope		v-l	635e

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	C_2H_3N	**Acetonitrile** *(continued)*	**81.6**				
2770	$C_4H_8O_2$	Ethyl acetate	77.1	74.8	23		527
		"		76.1	18.6	v-l	635e
2771	$C_4H_8O_2$	Methyl propionate	79.85	76.2	30		565
2772	$C_4H_8O_2$	Propyl formate	80.85	76.5	33		565
2773	C_4H_9Br	1-Bromobutane	101.5	< 79.0			565
2774	C_4H_9Br	1-Bromo-2-methylpropane	91.4	< 74.5			565
2775	C_4H_9Cl	1-Chlorobutane	78.5	67.2	33		565
2776	C_4H_9Cl	1-Chloro-2-methylpropane	68.85	62.0	20		565
2777	$C_4H_9NO_2$	Butyl nitrite	78.2	< 77.0			575
2778	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope			575
2779	$C_4H_{10}O$	Isobutyl alcohol	108.0	Nonazeotrope			565
2779a	$C_5F_{11}IO$	Heptafluoroisopropyl 2-iodotetrafluoroethyl ether	86	69.5	60		21c
2779b	C_5H_5N	Pyridine	115.3	Nonazeotrope		v-l	635e
2780	C_5H_8	Isoprene	39.1	33.7	2.4	v-l	716,742
2780a	C_5H_8	Piperylene 30°–40°C.		Nonazeotrope		v-l	347c
2781	C_5H_{10}	Cyclopentane	49.3	< 44.5	<14		565
2782	C_5H_{10}	β-Isoamylene		35.5	8.2		742
2783	C_5H_{10}	γ-Isoamylene		29.7	5.4		742
2784	C_5H_{10}	2-Methyl-2-butene	38.5	36.1	8.4	v-l	716
2785	C_5H_{10}	1-Pentene	30.0	28.7	5.0	v-l	716
2786	C_5H_{10}	2-Pentene (mixed isomers)	37	34.2		v-l	716
2787	$C_5H_{10}O_2$	Ethyl propionate	99.1	Nonazeotrope			565
2788	$C_5H_{10}O_2$	Isopropyl acetate	89.5	79.5	60		565
2789	$C_5H_{10}O_2$	Propyl acetate	101.55	Nonazeotrope			565
2790	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	Nonazeotrope			565
2791	C_5H_{12}	2-Methylbutane	27.9	27.4		v-l	716
		"		25.3	6.4		742
2792	C_5H_{12}	Pentane 24 p.s.i.g.	65	58	13		981
		"	36		10		437
		" 60°–120°C.				v-l	1049e
2793	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	Nonazeotrope			565
2794	$C_5H_{12}O$	3-Pentanol	116.0	Nonazeotrope			565
2794a	C_6H_5Cl	Chlorobenzene	131	Nonazeotrope		v-l	635c
2795	C_6H_6	Benzene	80.1	73	34		62,569,763
		" 278 mm.		45	30.7	v-l	91
		"	80.1	73.7	31.8	v-l	635c,62
2796	C_6H_7N	2-Picoline	129	Nonazeotrope		v-l	713
2797	C_6H_{12}	Cyclohexane	80.8	62.2	33 vol. %		62,565
2798	C_6H_{12}	Methylcyclopentane	72.0	< 60.5			565
2799	C_6H_{14}	2,3-Dimethylbutane	58.0	48	13		527
2800	C_6H_{14}	Hexane	68.8	56.8	25 vol. %		62,437,565
2800a	$C_6H_{15}N$	Triethylamine	89.4	70.9	37	v-l	635e
2801	C_7H_8	Toluene	110.7	81.1	78 vol. %		62,565
		"	110.7	81.4	80	v-l	635c
2802	C_7H_{14}	Methylcyclohexane	100.8	71.1	51 vol. %		62
2803	C_7H_{16}	Heptane	98.4	69.4	44 vol. %		62,437,565
		"	98.4	69.55			1066

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_2H_3N**	**Acetonitrile** *(continued)*	**81.6**				
2804	C_8H_{10}	Ethylbenzene	136.2	Nonazeotrope			62
2805	C_8H_{10}	Mixed xylenes	138-144	Nonazeotrope			62
2805a	C_8H_{12}	1,3-*trans*-6-*cis*-Octatriene	132	81	95		269c
2805b	C_8H_{12}	1,3,7-Octatriene	125	80.5	90.5		269c
2805c	C_8H_{12}	4-Vinylcyclohexene	127	79	89		269c
2806	C_8H_{16}	1-Octene	121.6	78.0	60 vol. %		62
2807	C_8H_{16}	2-Octene	125.2	78.0	62 vol. %		62
2808	C_8H_{18}	2,5-Dimethylhexane	109.4	< 75.5			565
2809	C_8H_{18}	2-Methyl-3-ethylpentane	114	65	55		437
2810	C_8H_{18}	Octane	125.6	77.2	64 vol. %		62
		"	125.75	76.7			1066
2811	C_8H_{18}	2,2,4-Trimethylpentane	99.2	68.9	38 vol. %		62
2812	C_9H_{20}	Nonane	150.7	79.82			1066
2813	C_9H_{20}	2,2,5-Trimethylhexane	120.1	76.1	58 vol. %		62
2814	$C_{10}H_{20}$	1-Decene	172.0	81.6	95 vol. %		62
2815	$C_{10}H_{22}$	Decane	173.3	81.45			1066
2816	$C_{11}H_{24}$	Undecane	195.4	Nonazeotrope			1066
A =	**C_2H_3NO**	**Hydroxyacetonitrile**					
2817	$C_4H_{11}PO_3$	Diethylphosphite 1.5 mm.		66	38.3		24
A =	**C_2H_3NO**	**Methylisocyanate**	**37.9**				
2817a	$C_2H_4Cl_2$	1,2-Dichloroethane	83.7	Nonazeotrope		v-l	996i
2817b	C_6H_5Cl	Chlorobenzene	132	Nonazeotrope		v-l	996i
2817c	C_7H_8	Toluene	109.9	Nonazeotrope		v-l	45c
2817d	C_7H_{16}	Heptane	98.4	Nonazeotrope		v-l	931c
A =	**C_2H_3NS**	**Methyl Thiocyanate**	**132.5**				
2818	$C_4H_8Cl_2O$	1,2-Dichloroethyl ethyl ether	145.5	Nonazeotrope			575
A =	**C_2H_4**	**Ethylene**	**—103.9**				
2819	C_2H_6	Ethane	— 88.3	Nonazeotrope			156
		" —35°, 0°, 40°F.	— 88.3			v-l	333
		" 0°, —40°, —100°F.		Nonazeotrope		v-l	362
A =	**C_2H_4BrCl**	**1-Bromo-2-chloroethane**	**106.7**				
2820	$C_2H_4O_2$	Acetic acid	118.5	~102	~87		563
2821	C_2H_6O	Ethyl alcohol	78.3	~ 76.5	~50		563
2822	$C_2H_6O_2$	Glycol	197.4	Nonazeotrope			575
2823	C_3H_5ClO	Epichlorohydrin	116.45	103.5	83		563
2824	$C_3H_6O_2$	Propionic acid	141.3	Nonazeotrope			575
2825	$C_4H_{10}O$	Isobutyl alcohol	108	100			563
2826	$C_5H_{10}O$	2-Pentanone	102.25	Nonazeotrope			563
2827	$C_5H_{10}O$	3-Pentanone	102.2	Nonazeotrope			563
2828	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	Nonazeotrope			563
2829	$C_6H_{12}O_2$	Methyl isovalerate	116.3	Nonazeotrope			563
2830	$C_6H_{14}O_2$	Acetal	103.55	108.5	65		559
2831	C_7H_{14}	Methylcyclohexane	101.15	<100.8	> 8		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_2H_4Br_2$**	**1,1-Dibromoethane**	**109.5**			
2832	$C_2H_4O_2$	Acetic acid	118.1	103.7	75	562
2833	C_2H_5ClO	2-Chloroethanol	128.6	108.5	?	575
2834	C_2H_5NO	Acetamide	221.15	Nonazeotrope		575
2835	C_2H_6O	Ethyl alcohol	78.3	77	46	563
2836	$C_2H_6O_2$	Glycol	197.4	Nonazeotrope		575
2837	$C_3H_6O_2$	Propionic acid	141.3	Nonazeotrope		575
2838	$C_3H_7NO_3$	Propyl nitrate	110.5	<109.2	>58	560
2839	C_3H_8O	Isopropyl alcohol	82.4	< 82.0		575
2840	C_3H_8O	Propyl alcohol	97.2	< 94.0	>57	567
2841	C_4H_5N	Pyrrol	130.0	Nonazeotrope		553
2842	$C_4H_8O_2$	Butyric acid	164.0	Nonazeotrope		575
2843	$C_4H_{10}O$	Butyl alcohol	117.8	104.5	80	567
2844	$C_4H_{10}O$	Isobutyl alcohol	108	101		563
2845	$C_5H_{10}O$	3-Pentanone	102.05	Nonazeotrope		552
2846	$C_5H_{10}O_2$	Methyl butyrate	102.75	Nonazeotrope		563
2847	$C_5H_{10}O_2$	Propyl acetate	101.6	Nonazeotrope		547
2848	$C_5H_{11}NO_2$	Isoamyl nitrite	97.15	Nonazeotrope		550
2849	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	<101.3	>45	575
2850	$C_5H_{12}O$	Isoamyl alcohol	131.9	Nonazeotrope		575
2851	$C_6H_{12}O$	4-Methyl-2-pentanone	116.05	Nonazeotrope		552
2852	$C_6H_{12}O_2$	Methyl isovalerate	116.3	Nonazeotrope		563
2853	$C_6H_{14}O_2$	Acetal	103.55	Nonazeotrope		559
2854	C_7H_8	Toluene	110.75	Nonazeotrope		575
2855	C_7H_{16}	Heptane	98.4	Nonazeotrope		575
2856	$C_8H_{18}O$	Isobutyl ether	122.3	Nonazeotrope		559
A =	**$C_2H_4Br_2$**	**1,2-Dibromoethane**	**131.5**			
2857	$C_2H_4Cl_2$	1,2-Dichloroethane	83.7	Nonazeotrope		563
2858	$C_2H_4O_2$	Acetic acid	118.5	114.35	45	563
2859	C_2H_5BrO	2-Bromoethanol	150.2	130.5	90	575
2860	C_2H_5ClO	2-Chloroethanol	128.6	122.3	66.5	526
2861	C_2H_5NO	Acetamide	221.2	Nonazeotrope		527
2862	C_2H_6O	Ethyl alcohol	78.3	Nonazeotrope		574
2863	$C_2H_6O_2$	Glycol	197.4	130.85	96.5	574
2864	C_3H_5BrO	Epibromohydrin	138.5	<128.8	<80	575
2865	$C_3H_5ClO_2$	Methyl chloroacetate	129.95	127.7	56	572
2866	$C_3H_6Br_2$	1,2-Dibromopropane	141	134	50	563
2867	C_3H_6O	Allyl alcohol	96.85	< 96.7		575
		" "	96.95	Nonazeotrope		532
2868	$C_3H_6O_2$	Propionic acid	140.7	127.75	82.5	563
2869	C_3H_7ClO	1-Chloro-2-propanol	127.0	<124.8	>38	575
2870	C_3H_7ClO	2-Chloro-1-propanol	133.7	128.0	67	566
2871	C_3H_7NO	Propionamide	222.1	Nonazeotrope		535
2872	$C_3H_7NO_2$	Ethyl carbamate	185.25	Nonazeotrope		527
2873	$C_3H_7NO_2$	1-Nitropropane				
		613 mm.		75	73	511
		133 mm.		120	72	511

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_2H_4Br_2$**	**1,2-Dibromoethane** *(continued)*	**131.5**				
2874	C_3H_8O	Isopropyl alcohol	82.4	Nonazeotrope			532
2875	C_3H_8O	Propyl alcohol	97.2	Nonazeotrope			573
2876	$C_3H_8O_2$	2-Methoxyethanol	124.5	120.55	63.5		527
2877	C_4H_5N	Pyrrol	130.0	126.5	67		553
2878	$C_4H_7ClO_2$	Ethyl chloroacetate	143.6	Nonazeotrope			532
2879	$C_4H_8O_2$	Butyric acid	162.45	131.1	96.5		527
2880	$C_4H_8O_2$	Isobutyric acid	154.35	130.5	93.5		541
2881	$C_4H_8O_3$	Methyl lactate	143.8	130.0	82		567
2882	C_4H_9I	1-Iodobutane	130.4	129.0	65		562
2883	C_4H_9I	1-Iodo-2-methylpropane	120.4	Nonazeotrope B.p. curve			389
2884	$C_4H_{10}O$	Butyl alcohol	117.75	114.75	56		574
2885	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	Nonazeotrope			575
2886	$C_4H_{10}O$	Isobutyl alcohol	108	105	38		573,834
2887	$C_4H_{10}O_2$	2-Ethoxyethanol	135.3	127.75	77		556
2888	$C_5H_4O_2$	2-Furaldehyde	161.45	Nonazeotrope			527
2889	C_5H_5N	Pyridine	115.5	Nonazeotrope			548
2890	C_5H_9N	Valeronitrile	141.3	<129.5	<83		575
2891	$C_5H_{10}O_2$	Isovaleric acid	176.5	Nonazeotrope			527
2892	$C_5H_{10}O_3$	Ethyl carbonate	125.9	Nonazeotrope			552
2893	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	Nonazeotrope			556
2894	$C_5H_{12}O$	Amyl alcohol	138.2	<127.3	<78		567
2895	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	Nonazeotrope			575
2896	$C_5H_{12}O$	Isoamyl alcohol	131.8	124.15	69.5		527,834
2897	$C_5H_{12}O$	2-Pentanol	119.8	<119.0	<47		567
2898	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	Nonazeotrope			556
2899	C_6H_5Br	Bromobenzene	152	Nonazeotrope			389
2900	C_6H_5Cl	Chlorobenzene					
		" 128 mm.		75	61.6	v-l	511
		" 311 mm.		100	63.3	v-l	511
		"	131.75	130.05	59		527
2901	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope			554
2902	C_6H_6	Benzene	80.2	Nonazeotrope			563
2903	C_6H_6O	Phenol	182.2	Nonazeotrope			575
2904	C_6H_7N	Aniline	184.35	Nonazeotrope			575
2905	C_6H_{10}	Cyclohexene	82.75	Nonazeotrope			563
2906	$C_6H_{10}O$	Mesityl oxide	129.45	Nonazeotrope			527
2907	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope			563
2908	$C_6H_{12}O_2$	Butyl acetate	124.8	Nonazeotrope			527
2909	$C_6H_{12}O_2$	Ethyl butyrate	121.5	Nonazeotrope			547
2910	$C_6H_{12}O_2$	Isoamyl formate	123.8	123.7	~12		531
2911	$C_6H_{12}O_2$	Propyl propionate	122.5	Nonazeotrope			547
2912	$C_6H_{12}O_3$	Paraldehyde	124	Nonazeotrope			563
2913	C_6H_{14}	Hexane	68.95	Nonazeotrope			563
2914	$C_6H_{14}O$	Hexyl alcohol	157.85	Nonazeotrope			575
2915	$C_6H_{14}O_2$	2-Butoxyethanol	171.25	Nonazeotrope			526
2916	C_7H_8	Toluene	110.7	Nonazeotrope			563

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_2H_4Br_2$**	**1,2-Dibromoethane** *(continued)*	**131.5**				
2917	$C_7H_{14}O$	4-Heptanone	143.55	Nonazeotrope			552
2918	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	Nonazeotrope			573
2919	$C_7H_{14}O_2$	Isoamyl acetate	137.5	Nonazeotrope			388
2920	$C_7H_{14}O_2$	Isobutyl propionate	136.9	Nonazeotrope			563
2921	$C_7H_{14}O_2$	Propyl isobutyrate	134.0	Nonazeotrope			575
2922	C_7H_{16}	Heptane	98.4	Nonazeotrope			527
2923	C_8H_8	Styrene 60 mm.	68	Nonazeotrope			53
2924	C_8H_{10}	Ethylbenzene	136.15	131.1	90		563
		60 mm.	60.5	57	87		53
2925	C_8H_{10}	*m*-Xylene	139.0	Nonazeotrope			315,527
2926	C_8H_{10}	*p*-Xylene	138.4	131.0	94		315
		"	138.45	Nonazeotrope			575
		"	138.25	131.3	~97		563
2927	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	Nonazeotrope			575
2928	C_8H_{18}	2,5-Dimethylhexane	109.4	Nonazeotrope			575
2929	$C_8H_{18}O$	Butyl ether	142.4	Nonazeotrope			559
2930	C_9H_{12}	Mesitylene	164	Nonazeotrope			563
2931	$C_{10}H_{14}$	Cymene	175.3	Nonazeotrope			563
A =	**$C_2H_4Cl_2$**	**1,1-Dichloroethane**	**57.3**				
2932	$C_2H_4Cl_2$	1,2-Dichloroethane	83.7			v-l	435
2933	C_2H_5ClO	Chloromethyl methyl ether	59.5	<54?	<80		563
2934	C_2H_6O	Ethyl alcohol	78.3	54.6	88.5		573
2935	C_3H_6O	Acetone	56.15	57.55	70		552
2936	C_3H_6O	Allyl alcohol	96.85	Nonazeotrope			527
2937	C_3H_6O	Propionaldehyde	50	Nonazeotrope			262
2938	$C_3H_6O_2$	Ethyl formate	54.15	Nonazeotrope			563
2939	$C_3H_6O_2$	Methyl acetate	57	~ 56			262,563
2940	C_3H_7Br	2-Bromopropane	59.4	Nonazeotrope			575
2941	$C_3H_7NO_2$	Propyl nitrite	47.75	Nonazeotrope			550
2942	C_3H_8O	Isopropyl alcohol	82.45	56.6	~92		573
2943	C_3H_8O	Propyl alcohol	97.2	Nonazeotrope			573
2944	$C_3H_8O_2$	Methylal	42.3	Nonazeotrope			559
2945	$C_3H_9BO_3$	Methyl borate	65	Nonazeotrope			563
2946	C_3H_9SiCl	Chlorotrimethylsilane	57.7	56.4			844
2947	C_4H_8O	2-Butanone	79.6	Nonazeotrope			552
2948	C_4H_8O	Isobutylene oxide	50	Max. b.p.			262
2949	C_4H_8O	Isobutyraldehyde	63	Nonazeotrope			262
2950	$C_4H_9NO_2$	Isobutyl nitrite	67.1	Nonazeotrope			550
2951	$C_4H_{10}O$	*tert*-Butyl alcohol	82.55	57.1	~94		532
2952	$C_4H_{11}N$	Diethylamine	56	52	~45		563
2053	C_5H_{10}	Cyclopentane	49.3	Nonazeotrope			575
2054	$C_5H_{12}O$	Ethyl propyl ether	63.6	Nonazeotrope			548
2955	C_6H_{10}	Biallyl	60.2	56.5	~77		563
2956	C_6H_{12}	Methylcyclopentane	72.0	Nonazeotrope			575
2957	C_6H_{14}	2,3-Dimethylbutane	58.0	< 56.0	<58		562

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A =	**$C_2H_4Cl_2$**	**1,1-Dichloroethane** *(continued)*	**57.3**				
2958	C_6H_{14}	Hexane	68.85	Nonazeotrope			538
2959	$C_6H_{14}O$	Isopropyl ether	68	Nonazeotrope			262
A	**$C_2H_4Cl_2$**	**1,2-Dichloroethane**	**83.45**				
2960	C_2H_4O	Ethylene oxide	10.75	Nonazeotrope			559
2961	$C_2H_4O_2$	Acetic acid	118.1	Nonazeotrope		v-l	722
2962	C_2H_5ClO	2-Chloroethanol	128.6	Nonazeotrope			564
2963	$C_2H_5NO_3$	Ethyl nitrate	87.68	Nonazeotrope			527
2964	C_2H_6O	Ethyl alcohol	78.3	70.5	63		572
		" 550–800 mm.				v-l	168c
2965	$C_3H_6Cl_2$	1,2-Dichloropropane	96.3	Nonazeotrope			981
2966	C_3H_6O	Acetone	56.25	Nonazeotrope		v-l	282,552, 832
2967	C_3H_6O	Allyl alcohol	96.9	80.9	85.5		358,532, 875
2968	$C_3H_6O_3$	Methyl carbonate	90.35	Nonazeotrope			572
2969	C_3H_7ClO	1-Chloro-2-propanol	127.0	Nonazeotrope			575
2970	C_3H_8O	Isopropyl alcohol	82.45	74.7	56.5		572
		" "	82.3	72.7	60.8		981
2971	C_3H_8O	*n*-Propyl alcohol	97.2	80.65	~81		572
2972	$C_3H_9BO_3$	Methyl borate	68.7	Nonazeotrope			547
2973	C_4H_4S	Thiophene	84	83.5			563
2974	$C_4H_6O_2$	Allyl formate	80.0	83.55			575
2975	$C_4H_6O_2$	Methacrylic acid	160.5	Nonazeotrope		v-l	301
2976	$C_4H_8Cl_2O$	Bis(2-chloro ethyl)-ether	179.2	Nonazeotrope			981
		" 100 mm.		Nonazeotrope		v-l	427c
		" 760 mm.	178	Nonazeotrope		v-l	427c
2977	C_4H_8O	2-Butanone	80	Max. b.p.			262
			79.6	Nonazeotrope			527
2978	$C_4H_8O_2$	Butyric acid	162	Nonazeotrope			678
2979	$C_4H_8O_2$	Dioxane	101.35	Nonazeotrope			527
2980	$C_4H_8O_2$	Ethyl acetate	77	Nonazeotrope			572
2981	$C_4H_8O_2$	Propyl formate	80.8	84.05	~90		572
2982	C_4H_9ClO	2-Chloroethyl ethyl ether	98.5	Nonazeotrope			575
2983	$C_4H_9NO_2$	Butyl nitrite	77.8	Nonazeotrope			547
2984	$C_4H_{10}O$	Butyl alcohol	117.75	Nonazeotrope			527,574
		" 723 mm.		Nonazeotrope		v-l	930h
2985	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	< 82.2	88		575
2986	$C_4H_{10}O$	*tert*-Butyl alcohol	82.45	< 76.5	<78		575
2987	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope			559
2988	$C_4H_{10}O$	Isobutyl alcohol	107.85	83.45	93.5		574
2989	$C_4H_{10}S$	2-Methyl-1-propanethiol	88	Nonazeotrope			568
2990	$C_5H_{10}O$	Isovaleraldehyde	92.1	Nonazeotrope			575
2991	$C_5H_{10}O$	3-Methyl-2-butanone	95.4	Nonazeotrope			552
2991a	$C_5H_{10}O$	2-Methyl-3-buten-2-ol	97	82.7	93.5		581c
2992	$C_5H_{10}O_2$	Isopropyl acetate	90.8	Nonazeotrope			547
2993	$C_5H_{11}NO_2$	Isoamyl nitrite	97.15	Nonazeotrope			550
2994	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	Nonazeotrope			575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_2H_4Cl_2$**	**1,2-Dichloroethane *(continued)***	**83.45**				
2995	$C_5H_{12}O$	Isoamyl alcohol	131.9	Nonazeotrope			575
2996	$C_5H_{12}O$	3-Methyl-2-butanol	112.6	Nonazeotrope			575
2997	$C_5H_{12}O$	3-Pentanol	116.0	Nonazeotrope			575
2998	$C_5H_{12}O_2$	Diethoxymethane	87.95	88.95	22		527
2999	C_6H_6	Benzene	80.2	Nonazeotrope			465,734
		"	80.1	80.1	15 vol. %		692
3000	C_6H_{10}	Cyclohexene	82.75	Azeotrope doubtful			563
3001	C_6H_{12}	Cyclohexane		74.4	49.6	v-l	276,282, 563,734
		"	80.75	74.7	38 vol. %		692
3002	C_6H_{12}	Methylcyclopentane	72.0	Nonazeotrope			575
3003	C_6H_{14}	Hexane	68.95	Nonazeotrope			563
3004	$C_6H_{14}O$	Isopropyl ether	68.3	Nonazeotrope			559
3005	$C_6H_{14}O$	Propyl ether	90.55	Nonazeotrope			573
3006	C_7H_8	Toluene, 25°C.		Nonazeotrope		v-l	282,429, 563
		"	110.7	Nonazeotrope		v-l	11
		" 200 mm.	69.5	Nonazeotrope		v-l	236
3007	C_7H_{14}	Methylcyclohexane	101.15	Nonazeotrope			575
3008	C_7H_{16}	2-4-Dimethylpentane	80.8	73.7	35 vol. %		692
3009	C_7H_{16}	*n*-Heptane	98.4	81	75.8		269
		"	98.45	Nonazeotrope			527
3010	C_8H_{18}	2-5-Dimethylhexane	109.4	Nonazeotrope			575
A =	**$C_2H_4Cl_2O$**	**Bis(chloromethyl) Ether**	**105.5**				
3011	$C_3H_6Cl_2$	2,2-Dichloropropane	70.4	Nonazeotrope			575
3012	C_3H_7Cl	1-Chloropropane	46.4	Nonazeotrope			555
3013	$C_3H_8O_2$	2-Methoxyethanol	124.5	Nonazeotrope			575
3014	C_4H_5N	Pyrrol	130.0	Nonazeotrope			572
3015	$C_4H_{10}S$	Ethyl sulfide	92.1	Nonazeotrope			566
3016	C_5H_7N	1-Methylpyrrol	112.8	<104.8			566
3017	$C_6H_{14}O$	Propyl ether	90.1	89.0	10		575
3018	$C_6H_{14}S$	Isopropyl sulfide	120.5	Nonazeotrope			575
3019	C_7H_8	Toluene	110.75	Nonazeotrope			566
3020	C_7H_{16}	Heptane	98.4	Nonazeotrope			575
A =	**$C_2H_4Cl_2O$**	**2,2-Dichloroethanol**	**146.2**				
3021	$C_3H_6Br_2$	1,3-Dibromopropane	166.9	Nonazeotrope			575
3022	C_3H_7I	1-Iodopropane	102.4	Nonazeotrope			575
3023	C_4H_9Br	1-Bromobutane	101.5	Nonazeotrope			575
3024	C_4H_9I	1-Iodobutane	130.4	128.0	15		565
3025	C_4H_9I	1-Iodo-2-methylpropane	120.8	<120.5			575
3026	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.4	Nonazeotrope			575
3027	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	138.5	50		567
3028	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.4	Nonazeotrope			575
3029	C_6H_5Br	Bromobenzene	156.1	142.5	70		567
3030	C_6H_5Cl	Chlorobenzene	131.75	130.0	20		567
3031	C_7H_8	Toluene	110.75	Nonazeotrope			575
3032	C_7H_8O	Anisole	153.85	145.5			575

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A =	**$C_2H_4Cl_2O$**	**2,2-Dichloroethanol** *(continued)*	**146.2**				
3033	C_8H_8	Styrene	145.8	<140.0			575
3034	C_8H_{10}	*m*-Xylene	139.2	<136.0	>32		575
3035	C_8H_{10}	*o*-Xylene	144.3	139.0	50		567
3036	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope			575
3037	$C_8H_{18}O$	Butyl ether	142.4	136.0	45		567
3038	C_9H_8	Indene	182.6	Nonazeotrope			575
3039	C_9H_{12}	Cumene	152.8	142.0	65		567
3040	C_9H_{12}	Mesitylene	164.6	<145.0			575
3041	C_9H_{12}	Propylbenzene	159.3	143.5	75		575
3042	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope			575
3043	$C_{10}H_{16}$	Camphene	159.6	139.0	75		567
3044	$C_{10}H_{16}$	Dipentene	177.7	143.0	80		567
3045	$C_{10}H_{22}O$	Isoamyl ether	173.2	<145.5	>85		575
A =	**C_2H_4O**	**Acetaldehyde**	**20.4**				
3046	C_2H_4O	Ethylene oxide	10.4	Nonazeotrope		v-l	217
3047	$C_2H_4O_2$	Methyl formate	31.9	Nonazeotrope			537
3048	C_2H_5Br	Bromoethane	38.4	Nonazeotrope			563
3049	C_2H_5Cl	Chloroethane	14.0	< 9	<32		563
		"	12.3	11	9.5		266
3050	C_2H_6O	Ethyl alcohol	78.3	Nonazeotrope			563
3051	C_3H_6O	Acetone	56.15	Nonazeotrope			552
3052	C_3H_6O	Propylene oxide, 35 p.s.i.g.	73	Nonazeotrope			981
3052a	$C_3H_6O_2$	Methyl acetate	47	Nonazeotrope		v-l	985c
3053	C_3H_7Cl	2-Chloropropane	34.9	Nonazeotrope			575
3054	$C_3H_7NO_2$	Isopropyl nitrite	40.0	Nonazeotrope			548
3055	C_4H_6	1,3-Butadiene	— 4.5	5.0	5.2	v-l	111
3056	$C_4H_6O_2$	Vinyl acetate	72.5	Nonazeotrope			266
3057	C_4H_8O	Ethyl vinyl ether	35.5	Nonazeotrope			981
3058	C_4H_{10}	Butane	— 0.5	— 7	16		981
3059	$C_4H_{10}O$	Ethyl ether	34.5	18.9	76.5		707
3060	$C_5H_4O_2$	Furfuraldehyde	161.7	Nonazeotrope		v-l	722
3061	C_5H_{12}	2-Methylbutane	27.95	~ 17			563
3062	C_5H_{12}	Pentane	36.15	Azeotrope doubtful			563
3063	C_6H_6	Benzene	80.1	Nonazeotrope		v-l	722
3064	$C_6H_{12}O_3$	Paraldehyde	124	Nonazeotrope			563
3065	$C_6H_{14}O$	Isopropyl ether	68.3	Nonazeotrope			981
3066	C_7H_8	Toluene	110.8	Nonazeotrope		v-l	722
A =	**C_2H_4O**	**Ethylene Oxide**	**10.75**				
3067	$C_2H_4O_2$	Methyl formate	31.7	Nonazeotrope			575
3068	C_3H_6O	Propylene oxide	34.1	Nonazeotrope			575
3069	C_4H_6	1,3-Butadiene	— 5.3	Nonazeotrope			215
3070	C_4H_8	1-Butene	— 6.5	— 7			215,292
3071	C_4H_8	*cis*-2-Butene	3.6	Min. b.p.			292
3072	C_4H_8	*trans*-2-Butene	0.9	Min. b.p.			292
3073	C_4H_8	2-Methylpropene	— 7.5	Min. b.p.			292

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_2H_4O**	**Ethylene Oxide** *(continued)*	**10.75**				
3074	C_4H_{10}	*n*-Butane	0.6	< 0.0	> 5		292,558
		"	— 0.5	— 6.2	22		980
		"	— 0.5	— 6.5	22		981
3075	C_4H_{10}	2-Methylpropane	— 12.2	Min. b.p.			292
3076	C_5H_{10}	2-Methyl-1-butene	32.0	Min. b.p.			292
3077	C_5H_{10}	3-Methyl-1-butene	21.2	Min. b.p.			292
3078	C_5H_{10}	2-Methyl-2-butene	37.7	Min. b.p.			292
3079	C_5H_{10}	1-Pentene	30.2	Min. b.p.			292
3080	C_5H_{10}	2-Pentene	35.8	Min. b.p.			11
3081	C_5H_{12}	2-Methylbutane	27.9	Min. b.p.			292
			27.95	Nonazeotrope			558
3082	C_5H_{12}	Pentane	36.2	Min. b.p.			292
A =	**C_2H_4OS**	**Thioacetic Acid**	**89.5**				
3083	C_6H_6	Benzene	80.15	Nonazeotrope			575
3084	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope			575
3085	C_6H_{12}	Methylcyclopentane	72.0	Nonazeotrope			575
A =	**$C_2H_4O_2$**	**Acetic Acid**	**118.5**				
3086	C_2H_5I	Iodoethane	72.3	Nonazeotrope			572
3087	C_2H_5NO	Acetamide	222.0	Nonazeotrope		v-l	722
3088	$C_2H_5NO_2$	Nitroethane	114.2	112.4	30		554
3089	$C_2H_5NO_3$	Ethyl nitrate	87.7	Nonazeotrope			527
3090	C_2H_6O	Ethyl alcohol	78.3	Nonazeotrope		v-l	525,811
3091	C_2H_6S	Methyl sulfide	37.4	Nonazeotrope			566
3092	C_3H_5Br	3-Bromopropene	70.5	Nonazeotrope			575
3093	C_3H_5BrO	Epibromohydrin	138.5	Nonazeotrope			556
3094	C_3H_5ClO	Epichlorohydrin	116.4	115.05	34.5		556
3095	$C_3H_5ClO_2$	Methyl chloroacetate	129.95	Nonazeotrope			575
3096	$C_3H_5Cl_3$	1,2,3-Trichloropropane	156.85	Nonazeotrope			541
3097	C_3H_5I	3-Iodopropene	101.8	97.2	15		562
3098	$C_3H_6Br_2$	1,2-Dibromopropane	140.5	116.0	70		555
3099	$C_3H_6Br_2$	1,3-Dibromopropane	166.9	Nonazeotrope			575
3100	$C_3H_6Cl_2$	2,2-Dichloropropane	70.4	Nonazeotrope			575
3101	C_3H_6O	Acetone	56.1	Nonazeotrope		v-l	722
3101a	$C_3H_6O_2$	Methyl acetate	57.1	Nonazeotrope		v-l	36e
3102	$C_3H_6O_2$	Propionic acid	140.7	Ideal system		v-l	26,154
3103	$C_3H_6O_3$	Methyl carbonate	90.35	Nonazeotrope			575
3104	C_3H_7Br	1-Bromopropane	71.0	Nonazeotrope			575
3105	C_3H_7Br	2-Bromopropane	59.4	Nonazeotrope			527
3106	C_3H_7I	1-Iodopropane	102.4	99.2	20		541
3107	C_3H_7I	2-Iodopropane	89.2	88.3	9		545
3108	$C_3H_7NO_3$	Propyl nitrate	110.5	107.5	23		560
3109	C_3H_8O	Propyl alcohol	97.25	Nonazeotrope		v-l	525,811
3110	C_3H_9N	Trimethyl-amine 37 mm.		80-81	20		563
			3.5	148-150	80		360

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_2H_4O_2$**	**Acetic Acid** *(continued)*	**118.5**				
3111	C_4H_6O	Crotonaldehyde	102.2	Nonazeotrope			575
3112	$C_4H_6O_2$	Biacetyl	88.0	Nonazeotrope		v-l	722
3113	$C_4H_6O_2$	Vinyl acetate	72.6	Nonazeotrope		v-l	127
3114	$C_4H_6O_3$	Acetic anhydride 92°C.				v-l	954c
			139.6	Nonazeotrope		v-l	428
		" 100 mm.		Nonazeotrope		v-l	428
3115	$C_4H_6O_3$	Methyl pyruvate	137.5	Nonazeotrope			552
3116	$C_4H_8Cl_2O$	1,2-Dichloroethyl ethyl ether	145.5	Nonazeotrope			575
3117	C_4H_8O	2-Butanone	79.6	Nonazeotrope			552
		"	79.6	Nonazeotrope		v-l	331
3118	$C_4H_8O_2$	Butyric acid	163.5	Nonazeotrope		v-l	26
		" '	163.5	Vapor pressure data			563
3119	$C_4H_8O_2$	Dioxane	101.35	119.5	77		556
		"		119.4	79.5		486
3120	$C_4H_8O_2$	Ethyl acetate	77.1	Nonazeotrope		v-l	331
3121	$C_4H_8O_2$	Propyl formate	80.85	Nonazeotrope			575
3122	C_4H_8S	Tetrahydrothiophene	118.8	<113.5	< 4.7		568
3123	C_4H_9Br	1-Bromobutane	100.35	97.6	18		541
3124	C_4H_9Br	2-Bromobutane	91.2	89.0	13		562
3125	C_4H_9Br	1-Bromo-2-methylpropane	91.3	90.2	12		541
		"	91.6	Nonazeotrope			563
3126	C_4H_9Br	2-Bromo-2-methyl-propane	73.25	73.2?	2?		575
3127	C_4H_9Cl	1-Chlorobutane	78.05	Nonazeotrope			541
3128	C_4H_9Cl	2-Chlorobutane	68.25	Nonazeotrope			575
3129	C_4H_9Cl	1-Chloro-2-methyl-propane	68.85	Nonazeotrope			575
3130	C_4H_9I	1-Iodobutane	130.4	112.4	47		562
3131	C_4H_9I	2-Iodobutane	120.0	110.7	30		562
3132	C_4H_9I	1-Iodo-2-methyl-propane	120.4	109.5	37		541
3133	C_4H_9NO	*N,N*-Dimethylacetamide	165	170.8	21.1		832
3134	$C_4H_9NO_3$	Isobutyl nitrate	123.5	114.2	50		560
3135	$C_4H_{10}O$	Butyl alcohol	117.1	120.3	43		525,811
3136	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope			563
3137	$C_4H_{10}S$	Ethyl sulfide	92.1	91.5	10		566
3138	$C_5H_4O_2$	Furfuraldehyde	161.45	Nonazeotrope		v-l	722
		"	161.7	Nonazeotrope		v-l	971
3139	C_5H_5N	Pyridine	115	138.36	51.1		307
		"	115.5	138.1	51.1		1071
		" Crit. press.	345	348	20.2		945
		"	115.5	139-141	53		360
3140	C_5H_8O	Cyclopentanone	130.65	Nonazeotrope			552
3140a	$C_5H_8O_4$	Methylene diacetate 92°C.				v-l	954c
3141	C_5H_{10}	Cyclopentane	49.3	Nonazeotrope			575
3142	$C_5H_{10}O$	Isovaleraldehyde	92.1	Nonazeotrope			575

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_2H_4O_2$**	**Acetic Acid *(continued)***	**118.5**				
3143	$C_5H_{10}O$	3-Pentanone	102.05	Nonazeotrope			552
3144	$C_5H_{10}O_2$	Butyl formate	106.8	Nonazeotrope			575
3145	$C_5H_{10}O_2$	Ethyl propionate	99.1	Nonazeotrope			575
3146	$C_5H_{10}O_2$	Isobutyl formate	98.3	Nonazeotrope			563
3147	$C_5H_{10}O_2$	Isopropyl acetate	88.7	Nonazeotrope			981
3148	$C_5H_{10}O_2$	Methyl butyrate	102.65	Nonazeotrope			575
3149	$C_5H_{10}O_2$	Methyl isobutyrate	92.5	Nonazeotrope			575
3150	$C_5H_{10}O_2$	Propyl acetate	101.6	Nonazeotrope		v-l	722
3151	$C_5H_{10}O_2$	Valeric acid	187	Nonazeotrope		v-l	26
3152	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	Nonazeotrope			526
3153	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	108.65	38		568
3154	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.8	97.2	18.5		541
3155	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	117.65	80		541
3156	C_5H_{12}	Pentane	36.15	Nonazeotrope			504
3156a	$C_5H_{12}O$	Isoamyl alcohol					
		20 mm.		54.5	18.5	v-l	496c
		"	132	133	16	v-l	496c
3157	$C_5H_{12}O_2$	Diethoxymethane	87.95	Nonazeotrope			575
3158	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.4	Nonazeotrope			575
3159	C_6H_5Br	Bromobenzene	156.1	118.35	95		541
			156.15	Nonazeotrope			563
3160	C_6H_5Cl	Chlorobenzene	131.8	114.65	58.5		563
3161	C_6H_5F	Fluorobenzene	84.9	Nonazeotrope			575
3162	$C_6H_5NO_2$	Nitrobenzene	210.85	Nonazeotrope			563
3163	C_6H_6	Benzene	80.2	80.05	2		575
		"	80.2	Nonazeotrope			834
		" 288 mm.				v-l	997
		" 99 mm.	26.1	Nonazeotrope		v-l	997
		" 20°C.		Nonazeotrope		v-l	1018
		"		79.6	1.7	v-l	370c
		"	80.1			v-l	659f
3164	C_6H_7N	Aniline	184.35	Nonazeotrope			563
3165	C_6H_7N	2-Picoline	129	145	49		360
		"	129	144.12	40.4		1067
3166	C_6H_7N	3-Picoline	144	152.5	30.4		
		212 mm.		114.5	35.0		174,175,810
3167	C_6H_7N	4-Picoline	145.3	154.3	30.3		
		212 mm.		116.5	36.1		
3168	C_6H_8	1,3-Cyclohexadiene	80.4	80.0	2		575
3169	C_6H_8	1,4-Cyclohexadiene	85.6	84.0	6		562
3170	C_6H_{10}	Cyclohexene	82.75	81.8	6.5		541
3171	$C_6H_{10}O$	Mesityl oxide	129.45	Nonazeotrope			552
3172	$C_6H_{10}S$	Allyl sulfide	139	116.55	78.5		527
3173	C_6H_{12}	Cyclohexane	80.75	79.7	2		563
		"		78.8	9.6	v-l	40b
3174	C_6H_{12}	Methylcyclopentane	72.0	Nonazeotrope			575
3175	$C_6H_{12}O$	4-Methyl-2-pentanone	115.80	Nonazeotrope		v-l	722

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_2H_4O_2$**	**Acetic Acid** *(continued)*	**118.5**				
3176	$C_6H_{12}O$	Pinacolone	106.2	Nonazeotrope			552
3177	$C_6H_{12}O_2$	Butyl acetate	125	Nonazeotrope		v-l	722
3178	$C_6H_{12}O_2$	Ethyl butyrate	121.5	Nonazeotrope			575
3179	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	Nonazeotrope			541
3180	$C_6H_{12}O_2$	Isoamyl formate	123.8	Nonazeotrope			575
3181	$C_6H_{12}O_2$	Propyl propionate	123.0	Nonazeotrope			575
3182	$C_6H_{13}Br$	1-Bromohexane	156.5	117.5	92		575
3183	C_6H_{14}	2,3-Dimethylbutane	58.0	Nonazeotrope			575
3184	C_6H_{14}	Hexane	68.8	67.5?	5		575
		"	68.7	68.35	5.7	v-l	331
		"	68.7	Nonazeotrope			981
		"	68.60	68.25	6.0		504,507
3185	$C_6H_{14}O$	Isopropyl ether	68.3	Nonazeotrope			981
3186	$C_6H_{14}O$	Propyl ether	90.55	Nonazeotrope			537
3187	$C_6H_{14}O_2$	Acetal	104.5	Azeotrope doubtful			563
3188	$C_6H_{14}S$	Isopropyl sulfide	120	111.5	48		555
3189	$C_6H_{14}S$	Propyl sulfide	141.5	116.9	83		566
3190	$C_6H_{15}N$	Triethylamine	89	163	67	v-l	989
				162	81.3		360
		" 40 mm.		91-92			360
		"		162	65.3	v-l	394
		" 380 mm.		142	65.3	v-l	394
		" 190 mm.		120	65.3	v-l	394
		" 95 mm.		102	65.3	v-l	394
		" 47.5 mm.		85	65.3	v-l	394
3191	C_7H_7Cl	α-Chlorotoluene	179.3	Nonazeotrope			575
3192	C_7H_7Cl	*o*-Chlorotoluene	159.3	Nonazeotrope			541
3193	C_7H_7Cl	*p*-Chlorotoluene	162.4	Nonazeotrope			575
3194	C_7H_8	Toluene	110.8	100.6	28.1	v-l	722,725, 884
		"	110.6	104.6	34.9	v-l	370
		" 288 mm.				v-l	997
		" 50 mm.	36.4	34	21.8	v-l	997
		" 600 mm.		96.4	32.6	v-l	672c
		" 760 mm.	110.7	104.8	34.4	v-l	672c
3195	C_7H_8O	Anisole	153.85	Nonazeotrope			556
3196	C_7H_9N	2,6-Lutidine, 212 mm.		110-111	34.4		174,175,810
		"	144	148	27.8		174,175,810
		"	143.41	147.28	24	v-l	1056
		"	144	148.1	22.9		1062
				162.3	19.5		1068
3197	$C_7H_{12}O$	Methylcyclohexanone	165.0	Nonazeotrope		v-l	722
3198	C_7H_{14}	Methycyclohexane	101.1	963	31		541,571
3199	$C_7H_{14}O$	2-Heptanone	149	Nonazeotrope		v-l	722
3200	$C_7H_{14}O_2$	Amyl acetate	149	Nonazeotrope			725
3201	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	Nonazeotrope			575

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A =	**$C_2H_4O_2$**	**Acetic Acid *(continued)***	**118.5**				
3202	$C_7H_{14}O_2$	Isoamyl acetate					
		20 mm.	52.3	Nonazeotrope		v-l	496e
		"	142.2	Nonazeotrope		v-l	496e,722
	$C_7H_{14}O_2$	"	142.1	Nonazeotrope		v-l	722
3203	$C_7H_{14}O_2$	Propyl isobutyrate	133.9	Nonazeotrope			543
3204	C_7H_{16}	*n*-Heptane	98.4	95	17		571,725
		"	98.25	91.72	33		504,507, 1052,1071
		" 41.2 mm.		20	22	v-l	1018
3205	C_8H_8	Styrene	145.2	116.8	85.7		369
		" 90.1 mm.		60	88.3		369
		" 50 mm.		46.3	91		369
		"	145.8	116.0	83		545
3206	C_8H_{10}	Ethylbenzene 60 mm.	60.5	48	75		53
		"	136.15	114.65	66		563
3207	C_8H_{10}	*m*-Xylene	139.0	115.35	72.5		527,834
3208	C_8H_{10}	*o*-Xylene	143.6	116.0	76		541
		"	143.6	116.6	78		1070
		" 27 mm.	51.5	33.6	76	v-l	997
3209	C_8H_{10}	*p*-Xylene	138.4	115.25	72		307
		"	138.4	115.25	72		542
3210	C_8H_{10}	Xylene	138.8	115.2	70.9	v-l	722
3211	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope			575
3212	$C_8H_{11}N$	Dimethylaniline	194.05	Nonazeotrope			563
3213	$C_8H_{14}O_2$	Cyclohexyl acetate	177.0	Nonazeotrope		v-l	722
3214	$C_8H_{14}O_4$	*meso*-2,3-butanediol diacetate, 150-760 mm.	190-193	Nonazeotrope		v-l	731
3215	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	109.0	45		575
3216	C_8H_{16}	Ethylcyclohexane	131.8	107.9			1020
3217	$C_8H_{16}O_2$	Methyl isoamyl acetate		Nonazeotrope		v-l	722
3218	C_8H_{18}	2,5-Dimethylhexane	109.2	100.0	35		545,571
3219	C_8H_{18}	*n*-Octane	125.5	105.1	52.5	v-l	541,725, 850
		"	125.75	105.7	53.7	v-l	507, 1052,1057
3220	$C_8H_{18}O$	Butyl ether	141	Nonazeotrope			537
3221	$C_8H_{18}O$	Isobutyl ether	122.3	113.5?	48?		575
3222	$C_8H_{19}NO$	α-Diethylaminobutane-γ-ol 7 mm.		83.5	43.6		974
3223	C_9H_7N	Quinoline	237.3	Nonazeotrope			553
3224	C_9H_{12}	Cumene	152.3	116.8			30,1021
		"	152.8	116	84		215
3225	C_9H_{12}	Mesitylene	164.6	Nonazeotrope			575
3226	C_9H_{12}	Propylbenzene	158.9	Nonazeotrope			542
3227	C_9H_{18}	Nonanaphthene	136.7	109.6			1020
3228	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	164	Nonazeotrope		v-l	722

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_2H_4O_2$**	**Acetic Acid *(continued)***	**118.5**				
3229	C_9H_{20}	2-Methyloctane	135.2	108.8			1020
3230	C_9H_{20}	Nonane	150.7	112.6			1021
		"	150.2	112.8	69		504,507,1052
		"	150.2	113.25	69.6		946
		"	150.8	112.9	69.0		307
3231	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope			575
3232	$C_{10}H_{16}$	Camphene	159.6	118.2	97		541
		" 100 mm.		60.6	90	v-l	830
3233	$C_{10}H_{16}$	α-Pinene	155.8	117.2	83		541
3234	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope			575
3235	$C_{10}H_{16}O$	Fenchone	193.0	Nonazeotrope		v-l	722
3236	$C_{10}H_{22}$	2,7-Dimethyloctane	160.1	117.0	94		562
		"	160.25	Nonazeotrope			563
3237	$C_{10}H_{22}$	Decane	173.3	116.75	79.5		504,507, 1052
		"	173.3	117.2	79		946
		"		116.10	87	v-l	1056
3238	$C_{11}H_{24}$	Undecane	194.5	117.72	95		504,507 1052
		"	194.5	117.17	78		946
3239	$C_{12}H_{20}O_2$	Isobornyl acetate	225.8	Ideal system		v-l	830
3240	$C_{12}H_{26}$	Dodecane	216	Nonazeotrope			504
A =	**$C_2H_4O_2$**	**Methyl Formate**	**31.7**				
3241	C_2H_4S	Ethylene sulfide	55.7	Nonazeotrope			566
3242	C_2H_5Br	Bromoethane	38.4	29.85	>66		555
		"		29.9	16.5		497
3243	C_2H_5Cl	Chloroethane	13.3	Nonazeotrope			563
3244	C_2H_5ClO	Chloromethyl methyl ether	59.5	Nonazeotrope			563
3245	$C_2H_5NO_2$	Ethyl nitrite	17.4	Nonazeotrope			549
3246	C_2H_6O	Ethyl alcohol	78.3	Nonazeotrope			536
3247	C_2H_6S	Ethanethiol	36.2	27	~ 30		563
3248	C_2H_6S	Methyl sulfide	37.2	29.0	62		555
3249	C_3H_5Cl	2-Chloropropene	22.65	<22.0	<13		575
3250	C_3H_5Cl	3-Chloropropene	46.15	Nonazeotrope			547
3251	C_3H_6O	Acetone	56.15	Nonazeotrope			552
3252	C_3H_7Cl	1-Chloropropane	46.65	Nonazeotrope			555
3253	C_3H_7Cl	2-Chloropropane	35.0	Nonazeotrope			555
3254	C_3H_7NO	Dimethylformamide 100-760 mm.		Nonazeotrope		v-l	827
3255	$C_3H_7NO_2$	Isopropyl nitrite	40.1	Nonazeotrope			549
3256	$C_3H_7NO_2$	Propyl nitrite	47.75	Nonazeotrope			549
3257	$C_3H_8O_2$	Methylal	42.25	Nonazeotrope			557
3258	C_4H_4O	Furan	31.7	<28.6			557
3259	C_4H_8	1-Butene	— 6.5	Min. b.p.			292

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_2H_4O_2$**	**Methyl Formate** *(continued)*	**31.7**			
3260	C_4H_8	*cis*-2-Butene	3.6	Min. b.p.		292
3261	C_4H_8	*trans*-2-Butene	0.9	Min. b.p.		292
3262	C_4H_8	2-Methylpropene	— 7.5	Min. b.p.		292
3263	$C_4H_8O_2$	Butyric acid	163.5	Nonazeotrope		563
3264	C_4H_9Cl	2-Chloro-2-methylpropane	51.6	Nonazeotrope		563
3265	C_4H_{10}	*n*-Butane	— 0.6	Min. b.p.		292
3266	C_4H_{10}	2-Methylpropane	— 12.2	Min. b.p.		292
3267	$C_4H_{10}O$	Ethyl ether	34.6	28.2	56	557
		"		28.4	55	497
3268	$C_4H_{10}O$	Methyl propyl ether	38.9	<31.2	<88	557
3269	C_5H_6	Cyclopentadiene	41.0	Min. b.p.		259
3270	C_5H_8	Cyclopentene	43	Min. b.p.		1013
3271	C_5H_8	Isoprene	34.1	22.5	50	259,563, 1013
3272	C_5H_8	3-Methyl-1,2-butadiene	40.8	26.5	~68	563
3273	C_5H_8	Piperylene	42.5	Min. b.p.		259
3274	C_5H_{10}	Cyclopentane	49.3	26.0	60 vol. %	562,788
3275	C_5H_{10}	2-Methyl-1-butene	31.05	Min. b.p.		259,292, 1013
3276	C_5H_{10}	3-Methyl-1-butene	20.1	Min. b.p.		259,292
3277	C_5H_{10}	2-Methyl-2-butene	37.15	24.3	54	259,292, 563
3278	C_5H_{10}	1-Pentene	30.1	Min. b.p.		259,292
3279	C_5H_{10}	2-Pentene	36.4	Min. b.p.		259,292, 1013
3280	C_5H_{12}	2-Methylbutane	27.95	17.05	47	292,563
		"		18.4	44.6	497
3281	C_5H_{12}	Pentane		21.7	52.8	497
		"	36.15	21.8	53	285,563
3282	C_6H_{10}	Biallyl	60.2	Nonazeotrope		563
3283	C_6H_{12}	Methylcyclopentane	72.0	Nonazeotrope		575
3284	C_6H_{14}	2,2-Dimethylbutane	49.7	25.4	55 vol. %	788
		"	49.7	Min. b.p.		59
3285	C_6H_{14}	2,3-Dimethylbutane	58	Min. b.p.		59
		2,3-Dimethylbutane	58.0	30.5	85	562
3286	C_6H_{14}	*n*-Hexane	69.0	Nonazeotrope		546
A =	**C_2H_4S**	**Ethylene Sulfide**	**55.7**			
3287	C_2H_5Br	Bromoethane	38.4	Nonazeotrope		566
3288	C_2H_5ClO	Chloromethyl methyl ether	59.15	Nonazeotrope		575
3289	C_3H_6O	Acetone	56.15	51.5	57	566
3290	$C_3H_6O_2$	Ethyl formate	54.15	50.5	53	566
3291	$C_3H_7NO_2$	Isopropyl nitrite	40.1	Nonazeotrope		566
3292	C_4H_8O	2-Butanone	79.6	Nonazeotrope		566
3293	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope		566
3294	C_5H_{12}	Pentane	36.15	Nonazeotrope		575
3295	C_6H_{14}	2,3-Dimethylbutane	58.0	54.0	65	575
3296	C_6H_{14}	Hexane	68.8	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_2H_5Br**	**Bromoethane**	**38.4**				
3297	C_2H_5ClO	Chloromethyl methyl ether	59.15	Nonazeotrope			556
3298	C_2H_5I	Iodoethane	72.3	Nonazeotrope			563,899
3299	$C_2H_5NO_2$	Ethyl nitrite	17.4	Nonazeotrope			550
3300	C_2H_6O	Ethyl alcohol	78.3	37	97		563,834
3301	C_2H_6S	Ethanethiol	36.2	Nonazeotrope			563
3302	C_2H_6S	Methyl sulfide	37.4	< 37.0	<46		566
3303	C_3H_6O	Acetone	56.1	Nonazeotrope			552,834
3304	C_3H_6O	Propionaldehyde	48.7	Nonazeotrope			575
3305	C_3H_6O	Propylene oxide	34.1	Nonazeotrope			559
3306	$C_3H_6O_2$	Ethyl formate	54.1	Nonazeotrope			531
3307	$C_3H_6O_2$	Methyl acetate	57.0	Nonazeotrope			563
3308	C_3H_7Cl	2-Chloropropane	34.9	Nonazeotrope			575
3309	$C_3H_7NO_2$	Isopropyl nitrite	40.1	37.7	68		550
3310	$C_3H_7NO_2$	Propyl nitrite	47.75	Nonazeotrope			550
3311	C_3H_8O	Isopropyl alcohol	82.4	Nonazeotrope			575
		"	82.45	38.35?	99?		563
3312	C_3H_8O	Propyl alcohol	97.2	Nonazeotrope			575
3313	$C_3H_8O_2$	Methylal	42.2	Nonazeotrope			555
3314	$C_4H_8O_2$	Butyric acid	163.5	Nonazeotrope, vapor pressure data			563
3315	$C_4H_8O_2$	Ethyl acetate	77.1	Nonazeotrope			575
3316	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	Nonazeotrope			575
3317	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope			563
3318	$C_4H_{10}O$	Methyl propyl ether	38.8	Nonazeotrope			563
3319	$C_4H_{11}N$	Diethylamine	55.9	Nonazeotrope			531
3320	C_5H_8	Isoprene	34.1	32	<35		563
3321	C_5H_8	3-Methyl-1,2-butadiene	40.8	~ 36			563
3322	C_5H_{10}	Cyclopentane	49.3	< 37.5	<80		575
3323	C_5H_{10}	2-Methyl-2-butene	37.15	35.0	<59		555
		"		35.4	62		497
3324	C_5H_{12}	2-Methylbutane		27.4	29.7		497
		"	27.95	23.7	70		555
3325	C_5H_{12}	Pentane	36.15	~ 33	~50		563
3326	C_6H_6	Benzene	80.2	Nonazeotrope		v-l	563,978
3327	C_6H_{10}	Biallyl	60.2	Nonazeotrope			563
3328	C_6H_{12}	Methylcyclopentane	72.0	Nonazeotrope			575
3329	C_6H_{14}	2,3-Dimethylbutane	58.0	Nonazeotrope			575
3330	C_6H_{14}	Hexane	68.85	Nonazeotrope			538
3331	C_7H_{16}	Heptane, 30° C.	98.4	Vapor pressure data			899
A =	**C_2H_5BrO**	**2-Bromoethanol**	**150.2**				
3332	$C_3H_6Br_2$	1,2-Dibromopropane	140.5	137.0			575
3333	$C_3H_8O_2$	2-Methoxyethanol	124.5	Nonazeotrope			526
3334	$C_4H_7ClO_2$	Ethyl chloroacetate	143.55	Nonazeotrope			575
3335	C_4H_9Br	1-Bromobutane	101.5	Nonazeotrope			575
3336	C_4H_9Br	1-Bromo-2-methylpropane	91.4	Nonazeotrope			575
3337	$C_4H_{10}O_2$	2-Ethoxyethanol	135.3	Nonazeotrope			526

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**C_2H_3BrO**	**2-Bromoethanol *(continued)***	**150.2**			
3338	$C_5H_6O_2$	Furfuryl alcohol	169.35	Nonazeotrope		575
3339	$C_5H_{10}O$	Cyclopentanol	140.85	Nonazeotrope		575
3340	$C_5H_{10}O_3$	Ethyl carbonate	126.5	Nonazeotrope		575
3341	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	Nonazeotrope		575
3342	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	<119.5	> 7	575
3343	$C_5H_{12}O$	Amyl alcohol	138.2	Nonazeotrope		575
3344	$C_5H_{12}O$	Isoamyl alcohol	131.9	Nonazeotrope		527
3345	C_6H_5Cl	Chlorobenzene	131.75	128.7	20	575
3346	$C_6H_{10}O$	Cyclohexanone	155.7	Nonazeotrope		552
3347	$C_6H_{10}O$	Mesityl oxide	129.45	Nonazeotrope		575
3348	$C_6H_{10}S$	Allyl sulfide	139.35	135.5	20	566
3349	$C_6H_{12}O_2$	Butyl acetate	126.0	Nonazeotrope		575
3350	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	Nonazeotrope		575
3351	$C_6H_{14}S$	Isopropyl sulfide	120.5	Nonazeotrope		566
3352	$C_7H_{14}O$	4-Heptanone	143.55	Nonazeotrope		575
3353	$C_7H_{14}O_2$	Butyl propionate	146.8	146.6	50	575
3354	$C_7H_{14}O_2$	Isoamyl acetate	142.1	Nonazeotrope		575
3355	C_7H_{16}	Heptane	98.4	<97.5		575
3356	C_8H_{10}	Ethylbenzene	136.15	131.5	40	575
3357	C_8H_{10}	*m*-Xylene	139.2	133.5	43	575
3358	C_8H_{10}	*p*-Xylene	138.45	133.0	42	575
3359	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	<117.0		575
3360	$C_8H_{18}O$	Butyl ether	142.4	<138.0		575
3361	$C_8H_{18}S$	Butyl sulfide	185.0	Nonazeotrope		566
3362	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	Nonazeotrope		552
A =	**C_2H_5BrO**	**Bromomethyl Methyl Ether**	**87.5**			
3363	C_6H_6	Benzene	80.15	Nonazeotrope		575
3364	C_6H_{14}	Hexane	68.8	Nonazeotrope		575
A =	**C_2H_5Cl**	**Chloroethane**	**12.4**			
3365	$C_2H_5NO_2$	Ethyl nitrite	17.4	< 12.2	>85	550
3366	C_2H_6O	Ethyl alcohol	78.3	Nonazeotrope		573
3367	$C_3H_7NO_2$	Isopropyl nitrite	40.1	Nonazeotrope		550
3368	C_4H_4O	Furan	31.7	Nonazeotrope		559
3369	C_4H_{10}	*n*-Butane	0		20	460
		"	— 0.5		15.6	732
		Butane 738.6 mm.	— 0.5	-1.4	20.2 v-l	749
3370	C_5H_{10}	3-Methyl-1-butene	20.6	< 11.5	<73	575
3371	C_5H_{12}	2-Methylbutane	27.95	~12	95	563
3372	C_5H_{12}	Pentane	36.15	Nonazeotrope		563
A =	**C_2H_5ClO**	**2-Chloroethanol**	**128.6**			
3373	C_2H_5NO	Acetamide	221.15	Nonazeotrope		527
3374	$C_2H_5NO_2$	Nitroethane	114.2	Nonazeotrope		554
3375	$C_2H_6O_2$	Glycol	197.4	Nonazeotrope		526
3376	$C_3H_5ClO_2$	Methyl chloroacetate	129.95	<128.0	<85	575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	C_2H_5ClO	**2-Chloroethanol** *(continued)*	**128.6**				
3377	C_3H_5I	3-Iodopropene	101.8	100.2	8		564
3378	$C_3H_6Br_2$	1,2-Dibromopropane	140.5	126.0			555
3379	$C_3H_6Br_2$	1,3-Dibromopropane	166.9	Nonazeotrope			564
3380	C_3H_7I	1-Iodopropane	102.4	99.7	15		567
3381	C_3H_7I	2-Iodopropane	89.45	< 88.5	> 8		575
3382	C_3H_7N	Propionamide	222.2	Nonazeotrope			526
3383	$C_3H_8O_2$	2-Methoxyethanol	124.5	130.0	69		568
3384	C_4H_7ClO	2-Chloroethyl vinyl ether, 120 mm.		55.62	14		1008
3385	$C_4H_7ClO_2$	Ethyl chloroacetate	143.55	Nonazeotrope			575
3386	$C_4H_8Cl_2O$	Bis(2-Chloroethyl)ether	177.4	128.2	86.3	v-l	901
		" 50 mm.	96	Nonazeotrope			981
		"	179.2	Nonazeotrope			981
3387	$C_4H_8O_2$	Dioxane	101.35	Nonazeotrope			527
3387	C_4H_8S	Tetrahydrothiophene	118.8	115.0	~28		575
3389	C_4H_9Br	1-Bromobutane	101.5	100.1	10		564
3390	C_4H_9Br	1-Bromo-2-methylpropane	91.4	90.2			526
3391	C_4H_9I	Iodobutane	130.4	119.0	38		564
3392	C_4H_9I	1-Iodo-2-methylpropane	120.8	112.5	30		567
3393	$C_4H_{10}O$	Butyl alcohol	117.2	Nonazeotrope		v-l	901
3394	$C_4H_{10}O$	Isobutyl alcohol	107.5	Nonazeotrope		v-l	901
3395	$C_4H_{10}O_2$	2-Ethoxyethanol	135.3	135.65	15		568
3396	$C_4H_{10}S$	Butanethiol	97.5	Nonazeotrope			575
3397	$C_4H_{10}S$	Ethyl sulfide	92.1	Nonazeotrope			566
3398	$C_5H_4O_2$	2-Furaldehyde	161.45	Nonazeotrope			575
3399	C_5H_5N	Pyridine	115.4	Nonazeotrope		(reacts)	575
3400	$C_5H_6O_2$	Furfuryl alcohol	169.35	Nonazeotrope			575
3401	$C_5H_{10}O$	Cyclopentanol	140.85	Nonazeotrope			526
3402	$C_5H_{10}O_2$	Isobutyl formate	97.9	Nonazeotrope			575
3403	$C_5H_{10}O_2$	Methyl butyrate	102.65	Nonazeotrope			575
3404	$C_5H_{10}O_2$	Propyl acetate	101.6	Nonazeotrope			575
3405	$C_5H_{10}O_3$	Ethyl carbonate	126.5	<125.7	>28		575
3406	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	Nonazeotrope			526
3407	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.3	113.5	30		564
3408	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.4	98.5	8		564
3409	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	125.0	55		564
3410	$C_5H_{12}O$	Amyl alcohol	138.2	Nonazeotrope			526
3411	$C_5H_{12}O$	Isoamyl alcohol	131.9	127.8	75		527
3412	$C_5H_{12}O$	2-Pentanol	119.8	Nonazeotrope			526
3413	$C_5H_{12}O$	3-Pentanol	116.0	Nonazeotrope			575
3414	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	Nonazeotrope			526
3415	$C_5H_{13}ClSiO$	2-Chloroethoxytrimethylsilane	134.3	120-122			842
3416	$C_6H_4Cl_2$	*o*-Dichlorobenzene	179.5	Nonazeotrope			564

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_2H_5ClO**	**2-Chloroethanol** *(continued)*	**128.6**				
3417	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.6	Nonazeotrope			564
3418	C_6H_5Br	Bromobenzene	156.1	127.45	68		564
3419	C_6H_5Cl	Chlorobenzene	131.75	119.95	42		564
3420	C_6H_5F	Fluorobenzene	84.9	Nonazeotrope			575
3421	C_6H_6	Benzene	80.0	Nonazeotrope		v-l	901
3422	C_6H_6O	Phenol	182.2	Nonazeotrope			575
3423	C_6H_6S	Benzenethiol	169.5	Nonazeotrope			566
3424	C_6H_{10}	Cyclohexene	82.75	81.0	11		575
3425	$C_6H_{10}O$	Mesityl oxide	129.45	130.2	33		527
3426	$C_6H_{10}O_4$	Ethylidene diacetate	168.5	Nonazeotrope			527
3427	$C_6H_{10}S$	Allyl sulfide	139.35	124.5	61		555
3428	C_6H_{12}	Cyclohexane	80.75	78.5	10		575
3429	C_6H_{12}	Methylcyclopentane	72	< 71.4			575
3430	$C_6H_{12}O$	2-Hexanone	127.2	129.0	75		552
3431	$C_6H_{12}O$	3-Hexanone	123.3	Nonazeotrope			552
3432	$C_6H_{12}O$	4-Methyl-2-pentanone	116.05	Nonazeotrope			527
3433	$C_6H_{12}O$	Pinacolone	106.2	Nonazeotrope			552
3434	$C_6H_{12}O_2$	Butyl acetate	126.0	125.6	31		527
3435	$C_6H_{12}O_2$	Isoamyl formate	123.8	123.15	21		526
3436	$C_6H_{12}O_2$	Isobutyl acetate	117.2	Nonazeotrope			526
3437	$C_6H_{12}O_2$	Methyl isovalerate	116.3	Nonazeotrope			526
3438	$C_6H_{12}O_2$	Propyl propionate	123.0	122.7			575
3439	$C_6H_{12}O_3$	Paraldehyde	124.35	Reacts			526
3440	$C_6H_{13}Br$	1-Bromohexane	156.5	126.5			571
3441	C_6H_{14}	Hexane	68.8	< 68.0	<13		575
3442	$C_6H_{14}O$	Isopropyl ether	68.4	Nonazeotrope		v-l	901
3443	$C_6H_{14}O$	Propyl ether	90.1	Nonazeotrope			575
3444	$C_6H_{14}O_2$	2-Butoxyethanol	171.25	Nonazeotrope			526
3445	$C_6H_{14}S$	Isopropyl sulfide	120	115.5	30		555
3446	$C_6H_{14}S$	Propyl sulfide	141.5	125.5	67		566
3447	C_7H_7Br	*m*-Bromotoluene	184.3	Nonazeotrope			564
3448	C_7H_7Br	*o*-Bromotoluene	181.5	Nonazeotrope			564
3449	C_7H_7Br	*p*-Bromotoluene	185.0	Nonazeotrope			564
3450	C_7H_7Cl	*o*-Chlorotoluene	159.2	128.0	75		564
3451	C_7H_7Cl	*p*-Chlorotoluene	162.4	Nonazeotrope			575
3452	C_7H_8	Toluene	110.6	106.9	24.4	v-l	571,901
3453	C_7H_8O	Anisole	153.85	128.55	97.5		556
3454	C_7H_{14}	Methylcyclohexane	101.15	96.5	30		564
3455	$C_7H_{14}O$	4-Heptanone	143.55	Nonazeotrope			552
3456	$C_7H_{14}O$	5-Methyl-2-hexanone	144.2	Nonazeotrope			552
3457	$C_7H_{14}O_2$	Amyl acetate	148.8	Nonazeotrope			575
3458	$C_7H_{14}O_2$	Isoamyl acetate	142.1	Nonazeotrope			526
3459	$C_7H_{14}O_2$	Isobutyl propionate	137.5	Nonazeotrope			526
3460	$C_7H_{14}O_2$	Propyl butyrate	143.7	Nonazeotrope			575
3461	$C_7H_{14}O_2$	Propyl isobutyrate	134.0	<128.3	<94		575
3462	C_7H_{16}	Heptane	98.4	92.0	25		564

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_2H_5ClO**	**2-Chloroethanol** *(continued)*	**128.6**				
3463	$C_7H_{16}O_3$	Ethyl orthoformate	145.75	Reacts			526
3464	C_8H_6	Phenylacetylene	142	min. b. pt.			245
3465	C_8H_8	Styrene	144.7	min. b. pt.			245
		"	145.8	123.0			564
3466	C_8H_{10}	Ethylbenzene	136.15	121.0	62		564
		"	136.2	min. b. pt.			245
3467	C_8H_{10}	Xylene	140	min. b. pt.			245
3468	C_8H_{10}	*m*-Xylene	139.2	121.9	55.5		526
3469	C_8H_{10}	*o*-Xylene	144.3	123.2	68		564
3470	C_8H_{10}	*p*-Xylene	138.45	121.5	54		567
3471	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope			575
3472	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope			556
3473	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	109.5	42		567
3474	$C_8H_{16}O_2$	Isobutyl butyrate	156.9	Nonazeotrope			575
3475	C_8H_{18}	2,5-Dimethylhexane	109.2	100.5	33		526
3476	C_8H_{18}	Octane	125.75	115.0			564
3477	$C_8H_{18}O$	Butyl ether	141.7	123.0	56.8	v-l	901
3478	$C_8H_{18}O$	Isobutyl ether	122.3	<117.0	<42		567
3479	$C_8H_{18}S$	Isobutyl sulfide	172.0	Nonazeotrope			566
3480	C_9H_8	Indene	182.6	Nonazeotrope			564
3481	C_9H_{12}	Cumene	152.8	125.35	70		526
3482	C_9H_{12}	Mesitylene	164.6	<128.0			575
3483	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope			564
3484	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope			564
3485	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope			575
3486	$C_{10}H_{16}$	Camphene	159.6	125.5	80		564
3487	$C_{10}H_{16}$	α-Terpinene	173.4	<127.0	<85		575
3488	$C_{10}H_{22}$	2,7-Dimethyloctane	160.1	123.5	68		526
3489	$C_{10}H_{22}O$	Isoamyl ether	173.2	Nonazeotrope			556
A =	**C_2H_5ClO**	**Chloromethyl Methyl Ether**	**59.5**				
3490	C_2H_6O	Ethyl alcohol	78.3	58.4	~84		565
3491	C_2H_6S	Ethanethiol	35.8	Nonazeotrope (reacts)			573
3492	C_2H_6S	Methyl sulfide	37.4	Nonazeotrope			566
3493	C_3H_5Br	3-Bromopropene	70.0	Nonazeotrope			548
3494	C_3H_5Cl	3-Chloropropene	45.15	Nonazeotrope			548
3495	C_3H_6O	Acetone	56.15	55.9	13		552
3496	$C_3H_6O_2$	Ethyl formate	54.1	Nonazeotrope			531
3497	$C_3H_6O_2$	Methyl acetate	56.25	Nonazeotrope			556
3498	C_3H_7Br	1-Bromopropane	71.0	Nonazeotrope			556
3499	C_3H_7Br	2-Bromopropane	59.4	< 57.1	>45		575
3500	C_3H_7Cl	1-Chloropropane	46.65	Nonazeotrope			556
3501	$C_3H_7NO_2$	Propyl nitrite	47.75	Nonazeotrope			575
3502	C_3H_8O	Propyl alcohol	97.2	Nonazeotrope			563
3503	$C_3H_8O_2$	Methylal	42.3	Nonazeotrope			548
		" 128-720 mm.				v-l	634
3504	$C_3H_9BO_3$	Methyl borate	68.75	Nonazeotrope			531

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**C_2H_5ClO**	**Chloromethyl Methyl Ether**	**59.5**			
		(continued)				
3505	C_4H_8O	2-Butanone	79.6	Nonazeotrope		552
3506	$C_4H_8O_2$	Ethyl acetate	77.05	Nonazeotrope		563
3507	$C_4H_8O_2$	Isopropyl formate	68.8	Nonazeotrope		548
3508	C_4H_9Cl	1-Chlorobutane	78.5	Nonazeotrope		556
3509	C_4H_9Cl	1-Chloro-2-methyl-propane	68.85	Nonazeotrope		556
3510	C_4H_9Cl	2-Chloro-2-methyl-propane	50.8	Nonazeotrope		548
3511	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope		548
3512	C_5H_{10}	Cyclopentane	49.4	Nonazeotrope		575
3513	C_5H_{10}	2-Methyl-2-butene	37.15	Nonazeotrope		563
3514	$C_5H_{12}O$	Ethyl propyl ether	63.6	Nonazeotrope		548
3515	C_6H_6	Benzene	80.15	Nonazeotrope		575
3516	C_6H_{10}	Biallyl	60.1	~55.5	55	548
3517	C_6H_{14}	2,3-Dimethylbutane	58.0	56.0	42	562
3518	C_6H_{14}	Hexane	68.85	~58.5	~90	548
A =	**C_2H_5I**	**Iodoethane**	**72.3**			
3519	C_2H_6O	Ethyl alcohol	78.3	63	86	563,834
3520	C_3H_5Br	3-Bromopropene	70.5	Nonazeotrope		547
3521	C_3H_6O	Acetone	56.2	55-56	40	552,834
3522	C_3H_6O	Allyl alcohol	96.85	69.4	88	567
3523	$C_3H_6O_2$	Ethyl formate	54.1	Nonazeotrope		538
3524	$C_3H_6O_2$	Methyl acetate	56.95	Nonazeotrope		538
3525	$C_3H_6O_3$	Methyl carbonate	90.35	Nonazeotrope		547
3526	C_3H_7Br	1-Bromopropane	71.0	Nonazeotrope		549
3527	C_3H_8O	Isopropyl alcohol	82.45	66	87	573,834
3528	C_3H_8O	Propyl alcohol	97.2	70	93	563,834
3529	$C_3H_9BO_3$	Methyl borate	68.7	67.8	48	538
3530	C_4H_4S	Thiophene	84.7	Nonazeotrope		527
3531	$C_4H_6O_2$	Allyl formate	80.0	< 71.5		575
3532	C_4H_8O	2-Butanone	79.6	< 71.5	>75	552
3533	$C_4H_8O_2$	Ethyl acetate	77.1	70	78	573,834
3534	$C_4H_8O_2$	Isopropyl formate	68.8	< 66.5	>38	575
3535	$C_4H_8O_2$	Methyl propionate	79.85	Nonazeotrope		547
3536	$C_4H_8O_2$	Propyl formate	80.85	72.0	90	547
3537	C_4H_9Br	2-Bromo-2-methyl-propane	73.25	Nonazeotrope		549
3538	$C_4H_{10}O$	Butyl alcohol	117.8	Nonazeotrope		527
3538a	$C_4H_{10}O$	*tert*-Butyl alcohol	82.45	68.5		571c
3539	$C_4H_{10}O$	Isobutyl alcohol	108	Nonazeotrope		834
3540	$C_4H_{10}O_2$	Acetaldehyde dimethyl acetal	64.3	Nonazeotrope		559
3541	$C_5H_{10}O_2$	Methyl isobutyrate	92.3	Nonazeotrope		563
3542	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	Nonazeotrope		575
3543	$C_5H_{12}O$	Isoamyl alcohol	131.8	Nonazeotrope		527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**C_2H_5I**	**Iodoethane** *(continued)*	**72.3**			
3544	C_6H_6	Benzene	80.2	Nonazeotrope		563
		"		74-75	80	834
3545	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope		575
3546	C_6H_{14}	Hexane	68.95	68	76	563
3547	$C_6H_{14}O$	Isopropyl ether	68.3	Nonazeotrope		559
3548	C_7H_{16}	Heptane	98.4	V.p. data		
				Nonazeotrope		899
A =	**C_2H_5IO**	**2-Iodoethanol**	**176.5**			
3549	$C_3H_6Br_2$	1,2-Dibromopropane	140.5	Nonazeotrope		575
3550	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	145.8	23	575
3551	C_6H_5Br	Bromobenzene	156.1	153.5	25	567
3552	C_6H_6O	Phenol	182.2	Nonazeotrope		575
3553	C_7H_7Cl	*o*-Chlorotoluene	159.2	155.5	29	567
3554	C_7H_8	Toluene	110.75	Nonazeotrope		575
3555	C_8H_{10}	*o*-Xylene	144.3	<143.5	>10	575
3556	$C_8H_{10}O$	Benzyl methyl ether	167.8	164.0	40	575
3557	$C_8H_{10}O$	Phenetole	170.45	166.0	38	567
3558	$C_8H_{18}O$	Butyl ether	142.4	Nonazeotrope		575
3559	C_9H_{12}	Mesitylene	164.6	158.5	35	567
3560	C_9H_{12}	Propyl benzene	159.3	155.0	30	567
3561	$C_9H_{18}O_2$	Isoamyl isobutyrate	169.8	Nonazeotrope		575
3562	$C_{10}H_{22}O$	Isoamyl ether	173.2	166.5	50	567
A =	**C_2H_5NO**	**Acetamide**	**221.2**			
3563	$C_2H_6O_2$	Glycol	197.4	Nonazeotrope		529
3564	C_2H_7NO	2-Aminoethanol	170.8	Nonazeotrope		551
3565	$C_3H_5Br_3$	1,2,3,-Tribromopropane	220	200	~ 17	535
3566	$C_3H_5Cl_3$	1,2,3-Trichloropropane	156.85	154.5	7.5	535
3567	$C_3H_6Br_2$	1,2-Dibromopropane	140.5	Nonazeotrope		527
3568	$C_3H_6Br_2$	1,3-Dibromopropane	166.9	<165.5	<11	575
3569	$C_3H_6Cl_2O$	1,3-Dichloro-2-propanol	175.8	<175.5		575
3570	C_3H_7I	1-Iodopropane	102.4	Nonazeotrope		527
3571	C_3H_7NO	Propionamide	222.2	220.9	72	538
3572	$C_3H_7NO_2$	Ethyl carbamate	185.25	Nonazeotrope		527
3573	$C_3H_8O_2$	1,2-Propanediol	187.8	Nonazeotrope		575
3574	$C_3H_8O_3$	Glycerol	290	Nonazeotrope		564
3575	C_4H_5NS	Allyl isothiocyanate	152.0	Nonazeotrope		575
3576	$C_4H_6O_4$	Methyl oxalate	164.2	Nonazeotrope		535
3577	$C_4H_7BrO_2$	Ethyl bromoacetate	158.8	Nonazeotrope		527
3578	$C_4H_7ClO_2$	Ethyl chloroacetate	143.55	Nonazeotrope		575
3579	$C_4H_8Cl_2O$	1,2-Dichloroethyl ethyl ether	145.5	Nonazeotrope		556
3580	$C_4H_8Cl_2O$	Bis(2-chloroethyl) ether	178.65	178.25	3	527
3581	$C_4H_8O_3$	Glycol monoacetate	190.9	190.7	5	527
3582	C_4H_9I	1-Iodobutane	130.4	130.1	~3	575
3583	C_4H_9I	1-Iodo-2-methylpropane	120.8	120.5	1.5	575
3584	$C_4H_{10}O$	Butyl alcohol	117.75	Nonazeotrope		527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**C_2H_5NO**	**Acetamide** *(continued)*	**221.2**			
3585	$C_4H_{10}O_3$	Diethylene glycol	245.5	Nonazeotrope		527
3586	$C_4H_{11}NO_2$	2,2'-Iminodiethanol	268.0	Nonazeotrope		551
3587	$C_5H_4O_2$	2-Furaldehyde	161.45	Reacts		535
3588	$C_5H_6O_2$	Furfuryl alcohol	169.35	Nonazeotrope		575
3589	$C_5H_8O_3$	Levulinic acid	252	Nonazeotrope		527
3590	$C_5H_9ClO_2$	Propyl chloroacetate	163.5	Nonazeotrope		575
3591	$C_5H_{10}O_2$	Isovaleric acid	176.5	Nonazeotrope		575
3592	$C_5H_{10}O_3$	Ethyl carbonate	126.5	Nonazeotrope		575
3593	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	Nonazeotrope		527
		"	120.3	120.0	~1	535
3594	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	146	5	535
3595	$C_5H_{12}O$	Amyl alcohol	138.2	Nonazeotrope		575
3596	$C_5H_{12}O$	Isoamyl alcohol	131.3	Nonazeotrope		527
3597	$C_5H_{12}O$	2-Pentanol	119.8	Nonazeotrope		575
3598	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	Nonazeotrope		526
3599	$C_5H_{12}O_3$	2-(2-Methoxyethoxy) ethanol	192.95	Nonazeotrope		527
3600	$C_6H_4Br_2$	*p*-Dibromobenzene	220.25	199.35	18	574
3601	C_6H_4BrCl	*p*-Bromochlorobenzene	196.4	<187.0		562
3602	C_6H_4ClNO	*m*-Chloronitrobenzene	235.5	212.5	50	554
3603	C_6H_4ClNO	*o*-Chloronitrobenzene	246.0	216.0	60	554
3604	C_6H_4ClNO	*p*-Chloronitrobenzene	239.1	213.6	55	527
3605	$C_6H_4Cl_2$	*o*-Dichlorobenzene	179.2	174.0	10	564
3606	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.35	169.9	10	574
3607	C_6H_5Br	Bromobenzene	156.1	154.85	4.2	527
3608	C_6H_5BrO	*o*-Bromophenol	194.8	223.0	50	562
3609	C_6H_5Cl	Chlorobenzene	132.0	~131.85	~3	574
3610	C_6H_5ClO	*o*-Chlorophenol	175.8	Nonazeotrope		575
3611	C_6H_5ClO	*p*-Chlorophenol	219.75	231.7	33	574
3612	C_6H_5I	Iodobenzene	188.5	180	13	527
3613	$C_6H_5NO_2$	Nitrobenzene	210.75	201.95	24	554
3614	$C_6H_5NO_3$	*o*-Nitrophenol	217.25	207.7	24.2	527
3615	C_6H_6O	Phenol	182.2	Nonazeotrope		527
		"	182.2	221.3	~98	529
3616	$C_6H_6O_2$	Pyrocatechol	245.9	Nonazeotrope		527
3617	$C_6H_6O_2$	Resorcinol	281.4	Nonazeotrope		541
3618	C_6H_7N	Aniline	184.35	Nonazeotrope		551
3619	$C_6H_8N_2$	*o*-Phenylenediamine	258.6	Nonazeotrope		527
3620	$C_6H_8O_4$	Methyl maleate	204.05	201.9	11	570
3621	$C_6H_{10}O$	Cyclohexanone	155.7	Nonazeotrope		552
3622	$C_6H_{10}O_4$	Ethylidene diacetate	168.5	Nonazeotrope		527
3623	$C_6H_{10}O_4$	Ethyl oxalate	185.65	185.3	4.2	574
3624	$C_6H_{10}O_4$	Glycol diacetate	186.3	Nonazeotrope		575
3625	$C_6H_{10}S$	Allyl sulfide	139.35	Nonazeotrope		566
3626	$C_6H_{11}NO_2$	Nitrocyclohexane	205.3	<200	<22	575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**C_2H_5NO**	**Acetamide** *(continued)*	**221.2**			
3627	$C_6H_{12}O$	Cyclohexanol	160.7	Nonazeotrope		527
3628	$C_6H_{12}O_2$	Butyl acetate	126.0	Nonazeotrope		527
3629	$C_6H_{12}O_2$	Caproic acid	205.15	<202.8		575
3630	$C_6H_{12}O_2$	Isoamyl formate	123.8	Nonazeotrope		575
3631	$C_6H_{12}O_2$	Propyl propionate	123.0	Nonazeotrope		575
3632	$C_6H_{12}O_3$	2-Ethoxy ethyl acetate	156.8	Nonazeotrope		526
3633	$C_6H_{12}O_3$	Propyl lactate	171.7	Nonazeotrope		575
3634	$C_6H_{13}Br$	1-Bromohexane	156.5	154.5	7.5	562
3635	$C_6H_{14}O$	Hexyl alcohol	157.8	Nonazeotrope		527
3636	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	Nonazeotrope		527
3637	$C_6H_{14}O_2$	Pinacol	174.3	Nonazeotrope		535
3638	$C_6H_{15}NO$	2-Diethylaminoethanol	162.2	Nonazeotrope		551
3639	$C_7H_5Cl_3$	α,α,α-Trichlorotoluene	220.9	Reacts		535
3640	$C_7H_6Cl_2$	α,α-Dichlorotoluene	205.15	190.8	15.5	534
3641	C_7H_6O	Benzaldehyde	179.2	178.6	6.5	527
3642	$C_7H_6O_2$	Benzoic acid	250.5	Nonazeotrope		527
3643	C_7H_7Br	*m*-Bromotoluene	184.3	177.05	11.0	527
3644	C_7H_7Br	*o*-Bromotoluene	181.45	175	11.0	527
3645	C_7H_7Br	*p*-Bromotoluene	185.0	178.0	12	535
3646	C_7H_7BrO	*o*-Bromoanisole	217.7	<207.7		575
3647	C_7H_7Cl	α-Chlorotoluene	179.3	173.7	11	534
3648	C_7H_7Cl	*o*-Chlorotoluene	159.3	157.8	8	535
3649	C_7H_7Cl	*p*-Chlorotoluene	162.4	160.0	8.5	527
3650	C_7H_7ClO	*o*-Chloroanisole	195.7	191.0	20	562
3651	C_7H_7ClO	*p*-Chloroanisole	197.8	<193.0	<26	575
3652	C_7H_7I	*p*-Iodotoluene	212	195	17	535
3653	$C_7H_7NO_2$	*m*-Nitrotoluene	230.8	210.8	42	564
3654	$C_7H_7NO_2$	*o*-Nitrotoluene	221.75	206.45	32.5	564
3655	$C_7H_7NO_2$	*p*-Nitrotoluene	238.9	213.4	48	527
3656	C_7H_8	Toluene	110.75	Nonazeotrope		527,529
3657	C_7H_8O	Anisole	153.85	Nonazeotrope		527
3658	C_7H_8O	Benzyl alcohol	205.1	Nonazeotrope		527
3659	C_7H_8O	*m*-Cresol	202.1	Nonazeotrope		527
3660	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope		527
3661	C_7H_8O	*p*-Cresol	201.7	Nonazeotrope		527
3662	$C_7H_8O_2$	Guaiacol	205.05	204.55	7.5	574
3663	$C_7H_8O_2$	*m*-Methoxyphenol	244	220.8	~80	535
3664	C_7H_9N	Methylaniline	196.25	193.8	14	551
3665	C_7H_9N	*m*-Toluidine	203.1	200.95	14	551
3666	C_7H_9N	*o*-Toluidine	200.35	198.55	12	527
3667	C_7H_9N	*p*-Toluidine	200.55	198.7	12	551
3668	$C_7H_{13}ClO_2$	Isoamyl chloroacetate	195.0	<194.1		575
3669	C_7H_{14}	Methylcyclohexane	101.15	Nonazeotrope		527
3670	$C_7H_{14}O$	4-Heptanone	143.55	Nonazeotrope		552
3671	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	Nonazeotrope		575
3672	$C_7H_{14}O$	5-Methyl-2-hexanone	144.2	Nonazeotrope		552
3673	$C_7H_{14}O_2$	Amyl acetate	148.8	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**C_2H_5NO**	**Acetamide** *(continued)*	**221.2**			
3674	$C_7H_{14}O_2$	Butyl propionate	146.8	Nonazeotrope		527
3675	$C_7H_{14}O_2$	Enanthic acid	222.0	<216.5		575
3676	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	Nonazeotrope		527
3677	$C_7H_{14}O_2$	Ethyl valerate	145.45	Nonazeotrope		527
3678	$C_7H_{14}O_2$	Isoamyl acetate	142.1	Nonazeotrope		527
3679	$C_7H_{14}O_2$	Isobutyl propionate	137.5	Nonazeotrope		575
3680	$C_7H_{14}O_2$	Propyl butyrate	143.7	Nonazeotrope		575
3681	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	Nonazeotrope		575
3682	$C_7H_{14}O_3$	Isobutyl lactate	182.15	<181.5	<12	575
3683	C_7H_{16}	Heptane	98.4	Nonazeotrope		527
3684	$C_7H_{16}O$	Heptyl alcohol	176.35	Nonazeotrope		527
3685	$C_7H_{16}O_3$	Ethyl orthoformate	145.75	Nonazeotrope		527
3686	$C_7H_{16}O_4$	2-[2-(2-Methoxyethoxy)-ethoxy]ethanol	245.25	Nonazeotrope		527
3687	C_8H_7N	Indole	253.5	Nonazeotrope		527
3688	C_8H_8	Styrene	145.8	144	12	574
3689	C_8H_8O	Acetophenone	202.0	197.45	16.3	527
3690	$C_8H_8O_2$	Benzyl formate	203.0	193.0	22	564
3691	$C_8H_8O_2$	Methyl benzoate	199.45	193.8	15	574
3692	$C_8H_8O_2$	Phenyl acetate	195.7	~194.5	~7	574
3693	$C_8H_8O_2$	α-Toluic acid	266.5	Nonazeotrope		527
3694	$C_8H_8O_3$	Methyl salicylate	222.3	205.8	29	528
3695	C_8H_9BrO	*p*-Bromophenetole	234.2	212.0	35	562
3696	C_8H_{10}	Ethylbenzene	136.15	135.6	~8	535
3697	C_8H_{10}	*o*-Xylene	144.3	142.6	11	562
3698	C_8H_{10}	*m*-Xylene	139.0	138.4	10	527
3699	C_8H_{10}	*p*-Xylene	138.2	137.75	8	527
3700	$C_8H_{10}O$	Benzyl methyl ether	167.8	166.0	10	575
3701	$C_8H_{10}O$	*p*-Methyl anisole	177.05	174.2	11	556
3702	$C_8H_{10}O$	Phenethyl alcohol	219.5	214.05	35	528
3703	$C_8H_{10}O$	Phenetole	170.5	168.3	10.8	574
3704	$C_8H_{10}O$	2,4-Xylenol	210.5	Nonazeotrope		575
3705	$C_8H_{10}O$	3,4-Xylenol	226.8	221.1	96	527
3706	$C_8H_{10}O_2$	*m*-Dimethoxybenzene	214.7	199.0	25	535
3707	$C_8H_{10}O_2$	*o*-Ethoxyphenol	216.5	<215.0		575
3708	$C_8H_{10}O_2$	Veratrol	205.5	193.5	23	535
3709	$C_8H_{11}N$	Dimethylaniline	194.15	186.95	17.5	551
3710	$C_8H_{11}N$	2,4-Xylidine	214.0	<209.5	21	551
3711	$C_8H_{11}N$	3,4-Xylidine	225.5	<213.5	<29	551
3712	$C_8H_{11}N$	Ethylaniline	205.5	199.0	18	551
3713	$C_8H_{11}NO$	*o*-Phenetidine	232.5	216.0	55	527
3714	$C_8H_{11}NO$	*p*-Phenetidine	249.9	Nonazeotrope		551
3715	$C_8H_{12}O_4$	Ethyl fumarate	217.85	205.5	26.7	527
3716	$C_8H_{12}O_4$	Ethyl maleate	223.3	210.15	32	527
3717	$C_8H_{14}O$	Methyl heptenone	173.2	Nonazeotrope		552

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**C_2H_5NO**	**Acetamide** *(continued)*	**221.2**			
3718	$C_8H_{16}O$	2-Octanone	172.85	Nonazeotrope		552
3719	$C_8H_{16}O_2$	Butyl butyrate	166.4	164.5	7	564
3720	$C_8H_{16}O_2$	Caprylic acid	283.5	<219.5		575
3721	$C_8H_{16}O_2$	Hexyl acetate	171.5	169.5	10	562
3722	$C_8H_{16}O_2$	Isoamyl propionate	160.7	159.8	4	564
3723	$C_8H_{16}O_2$	Isobutyl butyrate	156.8	Nonazeotrope		535
3724	$C_8H_{16}O_2$	Isobutyl isobutyrate	148.6	Nonazeotrope		575
3725	$C_8H_{16}O_2$	Propyl isovalerate	155.7	<155.3	>3	575
3726	$C_8H_{16}O_3$	Isoamyl lactate	202.4	<196.0	<28	575
3727	C_8H_{18}	2,5-Dimethylhexane	109.4	Nonazeotrope		527
3728	C_8H_{18}	Octane	125.7	125.6	~1	535
3729	$C_8H_{18}O$	Butyl ether	142.4	<142.0	<10	575
3730	$C_8H_{18}O$	Octyl alcohol	195.2	194.45	9.5	564
3731	$C_8H_{18}O$	*sec*-Octyl alcohol	179.0	Nonazeotrope		527
3732	$C_8H_{18}S$	Butyl sulfide	185.0	180.0	8	566
3733	$C_8H_{18}S$	Isobutyl sulfide	172.0	<170.5	<7	566
3734	C_9H_7N	Quinoline	237.3	Nonazeotrope		527
3735	C_9H_8	Indene	183.0	177.2	17.5	527
3736	C_9H_8O	Cinnamaldehyde	253.5	Nonazeotrope		527
3737	$C_9H_{10}O$	Cinnamyl alcohol	257	Nonazeotrope		564
3738	$C_9H_{10}O$	*p*-Methyl acetophenone	226.35	209.8	38.3	552
3739	$C_9H_{10}O$	Propiophenone	217.7	204.0	31	527
3740	$C_9H_{10}O_2$	Benzyl acetate	~214.9	204.8	27.5	574
3741	$C_9H_{10}O_2$	Ethyl benzoate	212.6	200.85	24	574
3742	$C_9H_{10}O_2$	Methyl α-toluate	215.3	203.0	30	562
3743	$C_9H_{10}O_3$	Ethyl salicylate	233.7	209.2	40.2	536
3744	C_9H_{12}	Cumene	152.8	<150.8	>8	**575**
3745	C_9H_{12}	Mesitylene	164.6	~160.0	~15	573
3746	C_9H_{12}	Pseudocumene	168.2	<164.8		575
3747	$C_9H_{12}O$	Benzyl ethyl ether	185.0	179.0	17	562
3748	$C_9H_{12}O$	3-Phenyl propanol	235.6	Nonazeotrope		527
3749	$C_9H_{12}O$	Phenyl propyl ether	190.2	183.5	20	535
3750	$C_9H_{12}O_2$	2-Benzyloxyethanol	265.2	Nonazeotrope		575
3751	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	177.95	16.5	551
3752	$C_9H_{13}N$	*N,N*-Dimethyl-*p*-toluidine	210.2	194.0	22	551
3753	$C_9H_{14}O$	Phorone	197.8	194.8	12	552
3754	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	Nonazeotrope		552
3755	$C_9H_{18}O_2$	Ethyl enanthate	188.7	183.0	16	562
3756	$C_9H_{18}O_2$	Isoamyl butyrate	178.5	174.75	11.8	536
3757	$C_9H_{18}O_2$	Isoamyl isobutyrate	169.8	167.5	9	564
3758	$C_9H_{18}O_2$	Isobutyl isovalerate	171.35	169.3	10.5	541
3759	$C_9H_{18}O_2$	Methyl caprylate	192.9	186.0	15	564
3760	$C_{10}H_7Br$	1-Bromonaphthalene	281.8	217.35	56.5	527
3761	$C_{10}H_7Cl$	1-Chloronaphthalene	~262.7	213.9	52.2	527
3762	$C_{10}H_8$	Naphthalene	218.05	199.55	27	527
3763	$C_{10}H_8O$	1-Naphthol	288	Nonazeotrope		527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**C_2H_5NO**	**Acetamide** *(continued)*	**221.2**			
3764	$C_{10}H_8O$	2-Naphthol	290	Nonazeotrope		544
3765	$C_{10}H_9N$	1-Naphthylamine	300.8	Nonazeotrope		551
3766	$C_{10}H_9N$	Quinaldine	246.5	Nonazeotrope		575
3767	$C_{10}H_{10}O_2$	Isosafrol	252.1	214.0	47	574
3768	$C_{10}H_{10}O_2$	Methyl cinnamate	261.95	219.1	62	527
3769	$C_{10}H_{10}O_2$	Safrol	235.9	208.8	32	527
3770	$C_{10}H_{10}O_4$	Methyl phthalate	283.7	Nonazeotrope		542
3771	$C_{10}H_{12}O$	Anethole	235.7	208.0	38	527
3772	$C_{10}H_{12}O$	Estragole	215.8	~199.8	~24	574
3773	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.75	209.6	35.5	536
3774	$C_{10}H_{12}O_2$	Eugenol	255	220.8	88	527
3775	$C_{10}H_{12}O_2$	Isoeugenol	268.8	Nonazeotrope		527
3776	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	209.0	38	527
3777	$C_{10}H_{14}$	Butylbenzene	183.1	<176.0		575
3778	$C_{10}H_{14}$	Cymene	176.7	170.5	19	527
3779	$C_{10}H_{14}O$	Carvacrol	237.85	<220.8		575
3780	$C_{10}H_{14}O$	Carvone	231	210.65	42.5	527
3781	$C_{10}H_{14}O$	Thymol	232.8	219.9	70.5	527
3782	$C_{10}H_{14}O_2$	*m*-Diethoxybenzene	235.0	208.5	34	535
3783	$C_{10}H_{15}N$	Diethylaniline	217.05	198.05	24	551
3784	$C_{10}H_{16}$	Camphene	159.6	155.5	12	527
3785	$C_{10}H_{16}$	Dipentene	177.7	169.15	18	527
3786	$C_{10}H_{16}$	*d*-Limonene	177.8	169.2	16	529
3787	$C_{10}H_{16}$	Nopinene	163.8	159.5	18	527
3788	$C_{10}H_{16}$	α-Pinene	155.8	152.5	13	536
3789	$C_{10}H_{16}$	α-Terpinene	173.4	167.5	18	562
3790	$C_{10}H_{16}$	γ-Terpinene	183	175.0	~20	575
3791	$C_{10}H_{16}$	Terpinolene	184.6	176.5	20	562
3792	$C_{10}H_{16}$	Thymene	179.7	169.8	18	535
3793	$C_{10}H_{16}O$	Camphor	209.1	199.8	23	552
3794	$C_{10}H_{16}O$	Carvenone	234.5	233.0	44	552
3795	$C_{10}H_{16}O$	Fenchone	193.6	<192.8	> 5	552
3796	$C_{10}H_{16}O$	Pulegone	223.8	205.9	36	527
3797	$C_{10}H_{17}Cl$	Bornyl chloride	207.5	<195.0		575
3798	$C_{10}H_{18}O$	Borneol	213.4	205.4	26	527
3799	$C_{10}H_{18}O$	Cineol	176.35	170.9	17	574
3800	$C_{10}H_{18}O$	Citronellal	208.0	199	Reacts	575
3801	$C_{10}H_{18}O$	Geraniol	229.6	213.5	45	527
3802	$C_{10}H_{18}O$	Linalool	198.6	<198.0	< 12	575
3803	$C_{10}H_{18}O$	α-Terpineol	217.8	205.2	28	529
3804	$C_{10}H_{18}O$	β-Terpineol	210.5	203.0	22	567
3805	$C_{10}H_{20}O$	Citronellol	224.4	209.5	40	567
3806	$C_{10}H_{20}O$	Menthol	216.4	204.45	27	564
3807	$C_{10}H_{20}O_2$	Ethyl caprylate	208.35	196.0	24	562
3808	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	184.85	16	564
3809	$C_{10}H_{20}O_2$	Isoamyl valerate	192.7	184.85	16	541
3810	$C_{10}H_{20}O_2$	Methyl pelargonate	213.7	268.5	28	564

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**C_2H_5NO**	**Acetamide** *(continued)*	**221.2**			
3811	$C_{10}H_{22}$	2,7-Dimethyloctane	160.1	155.5	15	562
3812	$C_{10}H_{22}O$	*n*-Decyl alcohol	232.9	211.1	49	529
3813	$C_{10}H_{22}O$	Amyl ether	187.5	178.0	20	556
3814	$C_{10}H_{22}O$	Isoamyl ether	173.4	166.95	14.5	556
3815	$C_{10}H_{22}S$	Isoamyl sulfide	214.8	199.5	17	566
3816	$C_{11}H_{10}$	1-Methylnaphthalene	245.1	209.8	43.8	574
3817	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	208.25	40	527
		"	241.1		55	270
3818	$C_{11}H_{12}O_2$	Ethyl cinnamate	272.5	271.5	70	564
3819	$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethoxy-benzene	255.2	216.85	50	527
3820	$C_{11}H_{14}O_2$	Butyl benzoate	251.2	214.0	49	535
3821	$C_{11}H_{14}O_2$	1,2-Dimethoxy-4-propenyl-benzene	270.5	219.55	69	574
3822	$C_{11}H_{14}O_2$	β-phenethyl propionate	248.1	215.5	48	562
3823	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	211.2	42	570
3824	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	<185.5	<23	562
3825	$C_{11}H_{20}O$	Methyl α-terpineol ether	216.2	<200.5	<28	562
3826	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	205.65	32	564
3827	$C_{12}H_{10}$	Acenaphthene	277.9	217.1	64.2	527
3828	$C_{12}H_{10}$	Biphenyl	255.9	212.95	50.5	527
3829	$C_{12}H_{10}O$	Phenyl ether	259.3	214.55	52	574
3830	$C_{12}H_{14}O_4$	Ethyl phthalate	295	Nonazeotrope		527
3831	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.05	215.4	55	574
3832	$C_{12}H_{16}O_3$	Isoamyl salicylate	277.5	220.0	70	575
3833	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	198.0	27	574
3834	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	205.0	32	527
3835	$C_{12}H_{22}O$	Ethyl isobornyl ether	203.8	<193.0	<25	575
3836	$C_{12}H_{22}O_4$	Isoamyl oxalate	268.0	~217	~60	542
3838	$C_{13}H_{10}$	Fluorene	295	<219.7	>72	575
3839	$C_{13}H_{10}O_2$	Phenyl benzoate	315	Nonazeotrope		527
3839	$C_{13}H_{12}$	Diphenyl methane	265.6	215.15	56.5	574
3840	$C_{13}H_{12}O$	Benzyl phenyl ether	286.5	<220.8	>92	575
3841	$C_{14}H_{12}$	Stilbene	306.5	220.5	~88	575
3842	$C_{14}H_{14}$	1,2-Diphenylethane	284	218.2	68	537
3843	$C_{14}H_{14}O$	Benzyl ether	297	Nonazeotrope		575
A =	**$C_2H_5NO_2$**	**Ethyl Nitrite**	**17.4**			
3844	C_2H_6S	Methyl sulfide	37.4	Nonazeotrope		550
3845	C_3H_5Cl	2-Chloropropene	22.65	Nonazeotrope		550
3846	C_3H_7Cl	2-Chloropropane	34.9	Nonazeotrope		550
3847	C_3H_8O	Isopropyl alcohol	82.35	Min. b.p.		576
3848	$C_3H_8O_2$	Methylal	42.3	Nonazeotrope		550
3849	C_4H_4O	Furan	31.7	Nonazeotrope		550
3850	C_4H_{10}	Butane	0.6	Nonazeotrope		550
3851	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope		550
3852	$C_4H_{10}O$	Methyl propyl ether	38.95	Nonazeotrope		550
3853	C_5H_{10}	Cyclopentane	49.3	Nonazeotrope		550

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_2H_5NO_2$**	**Ethyl Nitrite *(continued)***	**17.4**				
3854	C_5H_{10}	3-Methyl-1-butene	20.6	15.5	60		550
3855	C_5H_{10}	2-Methyl-2-butene	37.15	Nonazeotrope			550
3856	C_5H_{12}	2-Methylbutane	27.95	16.7	90		550
3857	C_5H_{12}	Pentane	36.15	Nonazeotrope			550
A =	**$C_2H_5NO_2$**	**Nitroethane**	**114.2**				
3858	$C_2H_5NO_3$	Ethyl nitrate	87.7	Nonazeotrope			574
3859	C_2H_6O	Ethyl alcohol	78.3	Nonazeotrope			574
		" "	78.32	78.03	12.6		806
3860	$C_3H_6O_2$	Propionic acid	141.3	Nonazeotrope			575
3861	C_3H_7ClO	1-Chloro-2-propanol	127.0	Nonazeotrope			554
3862	$C_3H_7NO_3$	Propyl nitrate	110.5	<109.6	>21		554
3863	C_3H_8O	Isopropyl alcohol	82.40	81.82	10.6		806
3864	C_3H_8O	Propyl alcohol	97.15	94.49	31.8		806
		" "	97.2	< 95.0	>23		554
3865	$C_4H_8O_2$	Dioxane	101.35	Nonazeotrope			554
3866	C_4H_9Br	1-Bromobutane	101.5	96.0	25		554
3867	C_4H_9Br	1-Bromo-2-methylpropane	91.4	89.5	10		554
3868	C_4H_9Cl	1-Chlorobutane	78.5	Nonazeotrope			554
3869	$C_4H_{10}O$	Butyl alcohol	117.8	107.7	55		554
		" "	117.75	107.94	58.6		806
3870	$C_4H_{10}O$	*sec*-Butyl alcohol	99.53	97.16	27.6		806
3871	$C_4H_{10}O$	*tert*-Butyl alcohol	82.41	82.22	4.5		806
3872	$C_4H_{10}O$	Isobutyl alcohol	107.89	102.68	40.8		806
		" "	108.0	102.5	40		554
3873	$C_5H_{10}O$	3-Pentanone	102.05	Nonazeotrope			575
3874	$C_5H_{10}O_2$	Propyl acetate	101.6	Nonazeotrope			575
3875	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	<108.5	>55		554
3876	$C_5H_{12}O$	Amyl alcohol	138.2	<137.8	>83		554
3877	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	<98.6	>30		554
3878	$C_5H_{12}O$	Isoamyl alcohol	131.9	112.0	78		554
3879	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	Nonazeotrope			554
3880	$C_6H_5NO_2$	Nitrobenzene	210.9	Nonazeotrope		v-l	963
3881	C_6H_6	Benzene 25°C.		Nonazeotrope		v-l	845
		"	80.15	Nonazeotrope			554
3882	C_6H_{12}	1-Hexene	63.84	63.2	3.9		806
3883	C_6H_{12}	Methylcyclopentane	72.0	< 71.2	> 4		554
3884	$C_6H_{12}O$	4-Methyl-2-pentanone	116.05	<113.0			575
3885	$C_6H_{12}O_2$	Butyl acetate	126.0	Nonazeotrope			554
3886	$C_6H_{12}O_2$	Ethyl butyrate	121.5	<113.7	>73		554
3887	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	108.5	27		554
3888	$C_6H_{12}O_2$	Isobutyl acetate	117.4	112.5	60		554
3889	C_6H_{14}	Hexane	68.74	59.4	10.6		806
3890	$C_6H_{14}S$	Isopropyl sulfide	120.5	<110.9	>60		554
3891	C_7H_8	Toluene	110.75	106.2	25		162.554
3892	C_7H_{14}	Methylcyclohexane	101.15	90.8	30		554
3893	C_nH_{2n+2}	Paraffins	107-110	82-104			162

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_2H_5NO_2$**	**Nitroethane** *(continued)*	**114.2**			
3894	C_7H_{16}	*n*-Heptane	98.4	89.2	28	554
		"	98.43	89.5	29.8	806
3895	C_8H_{10}	*m*-Xylene	139.2	Nonazeotrope		554
3896	C_8H_{18}	2,5-Dimethylhexane	109.4	< 96.9	>62	554
3897	C_8H_{18}	Octane	125.66	90.5	55.6	806
A =	**$C_2H_5NO_3$**	**Ethyl Nitrate**	**87.68**			
3898	C_2H_6O	Ethyl alcohol	78.3	71.85	56	536
3899	C_3H_5Br	3-Bromopropene	70.5	Nonazeotrope		560
3900	C_3H_5I	3-Iodopropene	101.8	< 87.0		560
3901	$C_3H_6Cl_2$	2,2-Dichloropropane	70.4	Nonazeotrope		575
3902	C_3H_6O	Allyl alcohol	96.95	83.15	77.5	527
3903	$C_3H_6O_3$	Methyl carbonate	90.25	Nonazeotrope		527
3904	C_3H_7Br	1-Bromopropane	71.0	Nonazeotrope		527
3905	C_3H_7I	1-Iodopropane	102.4	87.4		560
3906	C_3H_7I	2-Iodopropane	89.45	83.2	52	527
3907	C_3H_8O	Isopropyl alcohol	82.35	77.0	53	560
3908	C_3H_8O	Propyl alcohol	97.25	82.55	70	536
3909	C_4H_4S	Thiophene	84.7	Nonazeotrope		527
3910	C_4H_8O	2-Butanone	79.6	Nonazeotrope		527
3911	$C_4H_8O_2$	Dioxane	101.35	Nonazeotrope		527
3912	C_4H_9Br	1-Bromobutane	101.6	Nonazeotrope		527
3913	C_4H_9Br	2-Bromobutane	91.2	< 85.5	<68	560
3914	C_4H_9Br	1-Bromo-2-methylpropane	91.4	85.0	65	570
3915	C_4H_9Br	2-Bromo-2-methylpropane	73.25	Nonazeotrope		527
3916	C_4H_9Cl	1-Chlorobutane	78.5	< 78	<20	527
3917	C_4H_9Cl	1-Chloro-2-methylpropane	68.85	Nonazeotrope		527
3918	$C_4H_{10}O$	Butyl alcohol	117.75	87.45	96	527
3919	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	84.8	78	527
3920	$C_4H_{10}O$	*tert*-Butyl alcohol	82.55	78.1	48	527
3921	$C_4H_{10}O$	Isobutyl alcohol	107.85	86.4	86	527
3922	$C_4H_{10}S$	Ethyl sulfide	92.1	85.0	58	560
3923	C_5H_{10}	Cyclopentane	49.3	Nonazeotrope		527
3924	$C_5H_{10}O$	Isovaleraldehyde	92.1	Nonazeotrope		527
3925	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.4	87.55	92	527
3926	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	< 87.0	<95	527
3927	$C_5H_{12}O$	2-Pentanol	119.8	Nonazeotrope		527
3928	$C_5H_{12}O_2$	Diethoxymethane	87.95	85.85	49	569
3929	C_6H_5F	Fluorobenzene	84.9	< 82.5	<42	560
3930	C_6H_6	Benzene	80.15	80.03	12	560
3931	C_6H_8	1,3-Cyclohexadiene	80.4	76	<38	560
3932	C_6H_{12}	Cyclohexane	80.75	74.5	36	560
3933	C_6H_{12}	Methylcyclopentane	72.0	68.7	20	560
3934	C_6H_{14}	Hexane	68.8	66.25	24	570
3935	$C_6H_{14}O$	Propyl ether	90.1	< 87.0	>65	527
3936	$C_6H_{14}O_2$	Acetal	103.55	Nonazeotrope		557
3937	C_7H_8	Toluene	110.7	Nonazeotrope		527
3938	C_7H_{14}	Methylcyclohexane	101.15	83.85		571

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_2H_5NO_3$**	**Ethyl Nitrate** *(continued)*	**87.68**				
3939	C_7H_{16}	Heptane	98.4	82.8	63		527
3940	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	Nonazeotrope			560
3941	C_8H_{18}	2,5-Dimethylhexane	109.2	86	84		560
A =	**C_2H_6**	**Ethane**	**— 93**				
3942	C_2H_6O	Ethyl alcohol	78.3	Nonazeotrope			563
3943	C_3H_6O	Acetone crit. press.		Nonazeotrope			442
3944	C_3H_8O	Isopropyl alcohol	82.45	Nonazeotrope			563
3945	C_3H_8O	Propyl alcohol	97.2	Nonazeotrope			834
3946	C_4H_{10}	Butane	0.6	Nonazeotrope			563
3947	$C_4H_{10}O$	Isobutyl alcohol	108	Nonazeotrope			563
3948	C_7F_{16}	Perfluoroheptane, crit. region		Nonazeotrope		v-l	430,431
A =	**$C_2H_6Cl_2Si$**	**Dichlorodimethylsilane**					
3948a	$C_4H_8Cl_2O$	Bis(2-chloroethyl) ether	178	Nonazeotrope			886c
		"	178	B.p. curve			886c
3949	C_7H_{16}	2-Methylhexane	90.1	Nonazeotrope			844
3950	C_7H_{16}	3-Methylhexane	91.96	Nonazeotrope			844
A =	**C_2H_6O**	**Ethyl Alcohol**	**78.3**				
3951	C_2H_6S	Methyl sulfide	37.4	Nonazeotrope			566
3951a	C_3H_3N	Acrylonitrile	77.3	70.8	41		498i
3952	C_3H_5Br	*trans*-1-Bromopropene	63.25	58.7	11		563
3953	C_3H_5Br	*cis*-1-Bromopropene	57.8	56.4	9		563
3954	C_3H_5Br	2-Bromopropene	48.35	46.2	6		563
3955	C_3H_5Br	3-Bromopropene	70.8	62.9			580
3956	C_3H_5Cl	*cis*-1-Chloropropene	32.8	32.1			533
3957	C_3H_5Cl	*trans*-1-Chloropropene	37.4	36.7	4		575
3958	C_3H_5Cl	2-Chloropropene	22.65	Nonazeotrope			573
3959	C_3H_5Cl	3-Chloropropene	45.7	44	5		573
3960	C_3H_5ClO	Epichlorohydrin	116.4	Nonazeotrope			556
3961	C_3H_5I	3-Iodopropene	102	75.4	42		532
3962	C_3H_5N	Propionitrile	97.1	77.5			563
		760 mm.		81	25.0		319,396
		760 mm.	97.1		27.5		319,396
		200 mm.			28.0		319,396
		100 mm.			35.5		319,396
		25 mm.			38.0		319,396
3963	$C_3H_6Cl_2$	1,2-Dichloropropane	96.2	74.7	52.74		533
3964	$C_3H_6Cl_2$	2,2-Dichloropropane	69.8	63.2	14.5		573
3965	C_3H_6O	Acetone	56.1	Nonazeotrope B.p. curve			371,960
		"	56.4	Nonazeotrope		v-l	16,376
		" 680 mm.		Nonazeotrope		v-l	439f
3966	C_3H_6O	Propionaldehyde	48.7	Nonazeotrope			575
3967	C_3H_6OS	Methyl thioacetate	95.5	77.8			575
3968	$C_3H_6O_2$	Ethyl formate	54.1	54.05			536
3969	$C_3H_6O_2$	Methyl acetate	56.95	56.9	~3		536
3970	$C_3H_6O_3$	Methyl carbonate	90.35	73.5	~45		536

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_2H_6O**	**Ethyl Alcohol** *(continued)*	**78.3**				
3971	C_3H_7Br	1-Bromopropane	71	63.6	16.24		389
				B.p. curve			
3972	C_3H_7Br	2-Bromopropane	59.8	55.5	11.5		527
3973	C_3H_7Cl	1-Chloropropane	46.65	44.95	6		555
3974	C_3H_7Cl	2-Chloropropane	36.25	35.6	2.8		573
3975	C_3H_7I	1-Iodopropane	102.4	75.4	44		573
3976	C_3H_7I	2-Iodopropane	89.35	70.2	25		555
3977	$C_3H_7NO_2$	1-Nitropropane	131.18	Nonazeotrope			806
3978	$C_3H_7NO_2$	2-Nitropropane	120.25	78.28	93.6		806
3979	$C_3H_7NO_3$	Propyl nitrate	110.5	75.0			560
3980	C_3H_8O	Isopropyl alcohol	82.3	Nonazeotrope		v-l	320,563
3981	C_3H_8O	Propyl alcohol	97.2	Nonazeotrope			813
3982	$C_3H_8O_2$	2-Methoxyethanol	124.5	Nonazeotrope			575
3983	$C_3H_8O_2$	Methylal	42.1	Nonazeotrope			556
3984	C_3H_8S	Propanethiol	67.3	< 63.5	<19		566
3985	$C_3H_9BO_3$	Methyl borate	68.7	63.0	~25		536
3986	$C_4H_4N_2$	Pyrazine	114-115	Nonazeotrope			751
3987	C_4H_4S	Thiophene	84	70.0	45		555
3988	C_4H_6	1,3-Butadiene	— 4.5	Nonazeotrope		v-l	111
3989	C_4H_6O	Crotonaldehyde	102.2	Nonazeotrope			241
3990	$C_4H_6O_2$	Allyl formate	80.0	71.5			567
3991	$C_4H_6O_2$	Biacetyl	87.5	73.9	47?		552
3993	$C_4H_6O_2$	Methyl acrylate	80	73.5	42.4		800
3994	C_4H_7Br	*trans*-1-Bromo-1-butene	94.70	72.3	35.71		580
3994	C_4H_7Br	*cis*-1-Bromo-1-butene	86.15	69.6	77.48		580
3995	C_4H_7Br	2-Bromo-1-butene	81.0	67.4	22.18		580
3996	C_4H_7Br	*cis*-2-Bromo-2-butene	93.9	72.3	33.7		580
3997	C_4H_7Br	*trans*-2-Bromo-2-butene	85.55	69.1	26.7		580
3998	C_4H_7Cl	*trans*-1-Chloro-1-butene	68	61.2	20.2		690
3999	C_4H_7Cl	*cis*-1-Chloro-1-butene	63.4	57	14.8		690
4000	C_4H_7Cl	2-Chloro-1-butene	58.4	53.6	11.5		690
4001	C_4H_7Cl	*trans*-2-Chloro-2-butene	66.6	60	18.4		690
4002	C_4H_7Cl	*cis*-2-Chloro-2-butene	62.4	56.8	15.4		690
4003	$C_4H_7ClO_2$	Ethyl chloroacetate	143.5	Nonazeotrope			121
4004	C_4H_7N	Isobutyronitrile	103.85	Nonazeotrope			575
4005	C_4H_8O	2-Butanone	79.6	75.7	>46		527,633
		"	79.6	74.0	39	v-l	376,31c
		"	79.6	74.0	39	v-l	376
		"	79.6	74.8	34		981
4006	C_4H_8O	Butyraldehyde	75.7	70.7	60.6		982
4007	C_4H_8O	Ethyl vinyl ether	35.5	Nonazeotrope			882
4008	C_4H_8O	Isobutyraldehyde	63.5	Nonazeotrope			575
4009	C_4H_8O	Tetrahydrofuran	66		10		224
4010	C_4H_8OS	Ethyl thioacetate	116.6	Nonazeotrope			575

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_2H_6O**	**Ethyl Alcohol** *(continued)*	**78.3**				
4011	$C_4H_8O_2$	Dioxane	101.4	Nonazeotrope			201
			101.07	78.13	90.7	v-l	397
		" 200 mm.		46.4	68	v-l	348
		" 400 mm.		62.4	82		348
		" 600 mm.		72.19	88		348
		" 760 mm.		78.25	>98		348
		" 190 mm.				v-l	617a
		" 380 mm.				v-l	617a
		" 760 mm.	101			v-l	617a
		" 1140 mm.				v-l	617a
		" 1520 mm.				v-l	617a
		" 3040 mm.		Nonazeotrope		v-l	617a
4012	$C_4H_8O_2$	Ethyl acetate, 40°-60°C.		% Alc. increases with press.		v-l	674
		" 77.4 mm.			15.95		322
		" 760 mm.			30.97		322
		"	77.05	72.18	25.8		674
		" 25 mm.		— 1.39	12.81		650,834, 1034
		" 300 mm.		47.83	23.22		
		" 760 mm.	77.05	71.81	30.98		
		" 1500 mm.		91.86	39.07		
		" 50°–80°C.				v-l	452c,31c
4013	$C_4H_8O_2$	Methyl propionate	79.7	72.0	33		536
4014	$C_4H_8O_2$	Propyl formate	80.8	71.75	~41		572
4015	C_4H_9Br	1-Bromobutane	100.3	75.0	43		573
4016	C_4H_9Br	2-Bromobutane	91.2	72.5	33		567
4017	C_4H_9Br	1-Bromo-2-methylpropane	89.2	71.4	41.0		389,555
				B.p. curve			
4018	C_4H_9Br	2-Bromo-2-methylpropane	73.3	63.8	15		563
4019	C_4H_9Cl	1-Chlorobutane	78.05	65.7	20.3		573
4020	C_4H_9Cl	2-Chlorobutane	68.25	61.2	15.8		567
4021	C_4H_9Cl	1-Chloro-2-methylpropane	68.9	61.45	16.3		563
4022	C_4H_9Cl	2-Chloro-2-methylpropane	51	~ 49	~ 6.5		563
4023	C_4H_9I	1-Iodobutane	130.4	< 78.15			567
4024	C_4H_9I	2-Iodobutane	120.0	77.2	70		567
4025	C_4H_9I	1-Iodo-2-methylpropane	120	77	70		834
		"	120.4	77.65	73		573
4026	$C_4H_{10}O$	Butyl alcohol	117.75	Nonazeotrope		v-l	376,452e
4027	$C_4H_{10}O$	*sec*-Butyl alcohol	99.4	Nonazeotrope		v-l	376
4028	$C_4H_{10}O$	*tert*-Butyl alcohol	82.55	Nonazeotrope			563
		"	82.9			v-l	937c
4029	$C_4H_{10}O$	Ethyl ether	34.5	Nonazeotrope			371,1033
				B.p. curve			
4029a	$C_4H_{10}O$	Isobutyl alcohol	108	Nonazeotrope		v-l	937c
4030	$C_4H_{10}O$	Methyl propyl ether	38.95	Nonazeotrope			576
4031	$C_4H_{10}O_2$	Acetaldehyde dimethyl acetal	64.3	61.6	12		576
4032	$C_4H_{10}O_2$	2-Ethoxyethanol	133	Nonazeotrope		v-l	34

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_2H_6O**	**Ethyl Alcohol** *(continued)*	**78.3**				
4033	$C_4H_{10}O_2$	Ethoxymethoxymethane	65.90	63.95	13.3		1035
4034	$C_4H_{10}S$	Ethyl sulfide	92.2	72.6	56		555
4035	$C_4H_{11}ClSi$	Chloromethyltrimethyl-silane	97	72			907
4036	$C_4H_{11}N$	Butylamine	77.8	82.2	49		982
4037	$C_4H_{11}N$	Diethylamine	55.5	Nonazeotrope			981
4038	C_5H_5N	Pyridine	115.4	Nonazeotrope			553
4039	C_5H_6O	2-Methylfuran	63.8	< 60.5	<15		575
4040	C_5H_8	Isoprene	34.3	32.65	3		537
4041	C_5H_8	3-Methyl-1,2-butadiene	40.8	~39			563
4042	$C_5H_8O_2$	Ethyl acrylate		77.5	72.7		800
		" 100 mm.	44.9	32	54.4		982
		"		Nonazeotrope		v-l	591e
4043	C_5H_{10}	Cyclopentane	49.4	44.7	7.5		567
4044	C_5H_{10}	2-Methyl-1-butene	31.10	30.1	22 vol. %		826
4045	C_5H_{10}	3-Methyl-1-butene	22.5	21.9	~2		537
4046	C_5H_{10}	2-Methyl-2-butene	37.15	Nonazeotrope			563
		"	37.15	37.3	~4		256,537
4047	$C_5H_{10}O$	Allyl ethyl ether	63-65	60.5			580
4048	$C_5H_{10}O$	Isopropyl vinyl ether, 737 mm.	54.8	52.6			981
4049	$C_5H_{10}O$	2-Pentanone	102.35	78	93.3	v-l	376
		"	102	77.7	91.17		215
		"	102	Effect of pressure			83
4050	$C_5H_{10}O$	3-Methyl-2-butanone	95.4	Nonazeotrope			552
4051	$C_5H_{10}O$	Propyl vinyl ether	65.1	60	18.4		981
4052	$C_5H_{10}O_2$	Ethyl propionate	99.15	78.0	75		537
4053	$C_5H_{10}O_2$	Isobutyl formate	97.9	77.0	67		536
4054	$C_5H_{10}O_2$	Isopropyl acetate	91.0	76.8	53		536
		"		76.7	51		498c
4055	$C_5H_{10}O_2$	Methyl butyrate	102.65	78.0	~83		536
4056	$C_5H_{10}O_2$	Methyl isobutyrate	92.3	77.0			536
4057	$C_5H_{10}O_2$	Propyl acetate	101.6	78.18	~85		536
4058	$C_5H_{11}Br$	1-Bromo-3-methylbutane	118.2	77.3	72.0		388,573
				B.p. curve			
4059	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.8	74.8	41		573
4060	$C_5H_{11}Cl$	1-Chloropentane	108.35	72.5			409
4061	C_5H_{12}	2-Methylbutane	27.95	26.75	3.5		537
4062	C_5H_{12}	Pentane	36.15	34.3	5		537
4063	$C_5H_{12}O$	Amyl alcohol	137.8	Nonazeotrope		v-l	376
4064	$C_5H_{12}O$	Butyl methyl ether	70.3	65.5	20		981
4065	$C_5H_{12}O$	Ethyl propyl ether	63.6	61.2	25		573
4066	$C_5H_{12}O$	Isoamyl alcohol	131.8	Nonazeotrope			563
4067	$C_5H_{12}O_2$	Diethoxymethane	87.5	74.2	42		324
4068	$C_5H_{12}O_2$	2,2-Dimethoxypropane	80	Min. b.p.			594

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_2H_6O**	**Ethyl Alcohol** *(continued)*	**78.3**				
4069	$C_5H_{14}OSi$	Ethoxytrimethylsilane	75-76		30		192
			75	66.4			839
4070	C_6H_5Cl	Chlorobenzene	132.0	Nonazeotrope			574
4071	C_6H_5F	Fluorobenzene	85.15	70.0	25		**545**
4072	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope			554
4073	C_6H_6	Benzene	80.1	68.24	32.4		1044
		198 mm.		34.8	25		855
		382 mm.		50	25		855
		570 mm.		60	25		855
		711 mm.		66	25		855
		" 310 mm.		45	26.2	v-l	91
		" 180 mm.		32.5	23.2	v-l	698
		" 400 mm.		51.2	28.1	v-l	698
		" 168.4 mm.		29.97	21.33	v-l	952
		" 233.5 mm.		38.37	23.72		952
		" 336.4 mm.		47.15	26.32		952
		" 584 mm.		61.06	30.35		952
		" 209 mm.		35.0	24.3		735
		" 760 mm.		67.9	31.7	v-l	517,1011
		at crit. pt.		Nonazeotrope		v-l	888
		" 760 mm.				v-l	310
		"	80.1	68.1	31.6	v-l	1050
		" 600 mm.		61.6	30.4	v-l	1050
		" 450 mm.		54.1	29.1	v-l	1050
		" 384 mm.		50	27.4	v-l	1050
		" 300 mm.		44.2	26.6	v-l	1050
		" 5570 mm.		132.9	56		735
		" 11,720 mm.		166.9	69.5		735
		" 19,160 mm.		191.1	81		735
		"		See also Refs. 109, 178, 297, 834, 843, 944, 960, 964, 1043, 1073			
4074	$C_6H_6O_2$	Resorcinol	281.4	Nonazeotrope			813
4075	C_6H_7N	Aniline	184.35			v-l	390
4076	C_6H_8	1,3-Cyclohexadiene	80.8	66.7	34		563
4077	C_6H_8	1,4-Cyclohexadiene	85.6	68.5			563
4078	C_6H_{10}	Biallyl	60.2	53.5	13		563
4079	C_6H_{10}	Cyclohexene	82.7	66.7	**34**		**537**
4080	C_6H_{10}	1,3-Hexadiene	72.9	Min. b.p.			221
4081	C_6H_{10}	2,4-Hexadiene	82	Min. b.p.			221
4082	C_6H_{10}	1-Hexyne	70.2	62.8	23.2		377
4083	C_6H_{10}	3-Hexyne	80.5	67.5	34.4		377
4084	C_6H_{10}	Methylcyclopentene	75.85	63.3	28		567
4085	C_6H_{10}	3-Methylcyclopentene	64.9	57.2	20 vol. %		826
4086	C_6H_{10}	3-Methyl-1,3-pentadiene	77	Min. b.p.			221
4087	C_6H_{12}	Cyclohexane, 296 mm.		41.2	25.5		924
		" 420 mm.		49.3	27.3		924

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_2H_6O**	**Ethyl Alcohol** *(continued)*	**78.3**				
		Cyclohexane, 643 mm.		60.8	29.8		924
		" 760 mm.		64.8	31.3		924
		" 760 mm.	80.8	64.9	40		413
		"	80.7	64.8	29.2	v-l	1049
		"	80.7	64.8	31.4	v-l	666
		" 430 mm.		50	27.7	v-l	666
		" 300 mm.		41.4	25.1	v-l	666
		"	80.75	64.9	30.5		563
4088	C_6H_{12}	2-Ethyl-1-butene	64.95	57.0	23 vol. %		826
4089	C_6H_{12}	1-Hexene	63.49	56.1	22 vol. %		826
		" 200 mm.		24.9	11.6		498m
		" 400 mm.		39.2	13.8		498m
		" 600 mm.		48.6	16.3		498m
		" 760 mm.	63.6	54.8	17.6		498m
4090	C_6H_{12}	*cis*-2-Hexene	68.8	59.5	22 vol. %		826
4091	C_6H_{12}	*cis*-3-Hexene	66.4	49.6	26 vol. %		826
4092	C_6H_{12}	Methylcyclopentane	72.0	60.05	22.7	v-l	886
		"	72.0	60.3	25		567
4093	C_6H_{12}	*cis*-3-Methyl-2-pentene	70.52	60.4	24 vol. %		826
4094	C_6H_{12}	*trans*-3-Methyl-2-pentene	67.6	58.8	20 vol. %		826
4095	C_6H_{12}	*trans*-4-Methyl-2-pentene	58.4	52.6	15 vol. %		826
4096	$C_6H_{12}O$	Butyl vinyl ether	94.2	73	48		982
4097	$C_6H_{12}O$	Isobutyl vinyl ether	83.4	69.2	33		982
4098	$C_6H_{12}O$	*trans*-2-Butenyl ethyl ether	100.45	77.5			580
4099	$C_6H_{12}O$	*cis*-2-Butenyl ethyl ether	100.3	76.2			580
4100	$C_6H_{12}O$	(1-Methylallyl) ethyl ether	76.65	69			580
4101	$C_6H_{12}O$	4-Methyl-2-pentanone	118	Nonazeotrope		v-l	654
4102	$C_6H_{12}O_2$	Ethyl Isobutyrate	110.1	Nonazeotrope			536
4103	$C_6H_{12}O_2$	Methyl isovalerate	116.3	Nonazeotrope			536
4104	$C_6H_{12}O_3$	Paraldehyde	124.5	Nonazeotrope			981
4105	C_6H_{14}	2,3-Dimethylbutane	58.0	51.5	12		567
4106	C_6H_{14}	*n*-Hexane	68.95	58.68	21.0		1044
		"	68.7	58.4	21.2	v-l	498
		" 674 mm.		55	23.5	v-l	1049
		" 670 mm.		55	20.5	v-l	498
		" 458 mm.		45	18.6	v-l	498
		" 301 mm.		35	16.1	v-l	498
			68.95	58	20.8	v-l	886
		" 1545 mm.			26.3 vol. %		719
4107	C_6H_{14}	2-Methylpentane	60.27	53.1	12 vol. %		517
4108	$C_6H_{14}O$	*tert*-Butyl ethyl ether	73	66.6	21		256
4109	$C_6H_{14}O$	Ethyl butyl ether	92.2	73.8	49.3		982
4110	$C_6H_{14}O$	Isopropyl ether	68.3	64	17.1		982
4111	$C_6H_{14}O$	Propyl ether	90.4	74.4	44		556
4112	$C_6H_{14}O_2$	Acetal	103.6	78.2	65.5		45,572
4113	$C_6H_{14}O_2$	1,2-Diethoxyethane	121.1	Nonazeotrope			981
4114	$C_6H_{14}O_2$	Ethoxypropoxymethane	113.7	Nonazeotrope			1035

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_2H_6O**	**Ethyl Alcohol** *(continued)*	**78.3**				
4115	$C_6H_{14}S$	Isopropyl sulfide	120.5	Nonazeotrope			576
4116	$C_6H_{15}BO_3$	Triethylborate	120	76.6	68		637,990
4117	$C_6H_{15}N$	Triethylamine	89.7	76.9	51		982
		"	89.4	~75			563
4118	$C_6H_{16}SiO$	Ethoxymethyltrimethylsilane	102	74			907
4119	$C_6H_{16}O_2Si$	Diethoxydimethylsilane	114	77	83		215
4120	C_7H_8	Toluene	110.7	76.7	68		50,834,943
		"		0.5	45.5		814
		"		25	62.5		814
		"		50	64.5		814
		"		75.5	65.5		814
		" 35° C., 55° C.				v-l	489
		"	110.6	77.0	69.2		662
		" 710 mm.	—	75.0	68.5		662
		" 610 mm.	—	71.0	67.1		662
		" 510 mm.	—	66.5	65.6		662
		" 412 mm.	—	61.5	63.8		662
		"	110.7	76.5	66.7	v-l	390,517
		" 327 mm.			76.2		322
		" 800 mm.			81.6		322
4121	C_7H_{12}	1,3-Heptadiene		Min. b.p.			221
4122	C_7H_{12}	2,4-Heptadiene		Min. b.p.			221
4123	C_7H_{12}	1-Heptyne	99.5	74.2	54.6		377
4124	C_7H_{12}	5-Methyl-1-hexyne	90.8	71.0	39.8		377
4125	C_7H_{14}	1,1-Dimethylcyclopentane	87.84		36		928
			87.85	68.0	37 vol. %		826
4126	C_7H_{14}	*cis*-1,2-Dimethylcyclopentane	99.53	72.1	46 vol. %		826
		"	99.53		~47		928
4127	C_7H_{14}	*trans*-1,2-Dimethylcyclopentane			~39		928
		"	91.87	69.6	39 vol. %		826
4128	C_7H_{14}	*cis*-1,3-Dimethylcyclopentane	91.73	69.5	38 vol. %		826
4129	C_7H_{14}	*trans*-1,3-Dimethylcyclopentane	90.77	69.1	37 vol. %		826
		"	90.77		~37		928
4130	C_7H_{14}	2,3-Dimethyl-1-pentene	84.2	67.1	35 vol. %		826
4131	C_7H_{14}	Ethylcyclopentane	103.47	73.1	48 vol. %		826
		"	103.45		~48		928
4132	C_7H_{14}	Methylcyclohexane	100.8	72.1	47		50
		"	100.95	71.95			572
				v-l, at 35.55°C.			490
4133	C_7H_{14}	1,1,2,2-Tetramethylcyclopropane	75.9	62.6	30 vol. %		826
4134	C_7H_{16}	2,2-Dimethylpentane	79.20	63.9	25 vol. %		826
		"	79.1		~26		928

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_2H_6O**	**Ethyl Alcohol** *(continued)*	**78.3**				
4135	C_7H_{16}	2,3-Dimethylpentane	89.79		~36		928
		"	89.78	68.6	34	vol. %	826
4136	C_7H_{16}	2,4-Dimethylpentane	80.50	64.6	29	vol. %	826
		"	80.8		29		928
4137	C_7H_{16}	3,3-Dimethylpentane	86.0		32		928
		"	86.07	67.1	38	vol. %	826
4138	C_7H_{16}	3-Ethylpentane	93.47	70	38	vol. %	826
		"	93.5		35		928
4139	C_7H_{16}	Heptane	98.45	70.9	49		537
		"	98.4	72	48	v-l	390,697,982
		" 180 mm.		37.5	43	v-l	439
		" 400 mm.		54.5	43	v-l	439
		" 750 mm.		71.0	45	v-l	439
		" 393 p.s.i.a		194.0	78.1	v-l	697
		" 220 p.s.i.a		169.0	67.0	v-l	697
		" 139 p.s.i.a.		147.7	62.5	v-l	697
		" 110 p.s.i.a.		135.5	60.6	v-l	697
		" 753 mm.		70	47	v-l	779c
		" 1155 mm.		80	48	v-l	779c
		" 1675 mm.		90	48	v-l	779c
4140	C_7H_{16}	2-Methylhexane	90.05	68.7	36	vol. %	826
		"	90.0		~36		928
4141	C_7H_{16}	3-Methylhexane	91.8		~36		928
		"	91.85	69.3	36	vol. %	826
4142	$C_7H_{16}O$	*tert*-Amyl ethyl ether	101-2	66.6	21		256
4143	C_8H_8	Styrene	145.8	Nonazeotrope			545
4144	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			537
		"	—	Nonazeotrope		v-l	308,587
4145	C_8H_{10}	*m*-Xylene	139.0	Nonazeotrope			537
4146	C_8H_{10}	*o*-Xylene	143.6	Nonazeotrope			545
4147	C_8H_{10}	*p*-Xylene	138.3	Nonazeotrope		v-l	308,308c
4148	C_8H_{16}	1,1-Dimethylcyclohexane	119.54	76.2	65	vol. %	826
		"			~36		928
4149	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	175.8	70		575
4150	C_8H_{16}	*cis*-1,4-Dimethylcyclohexane			~70		928
		"	124.32	76.9	70	vol. %	826
4151	C_8H_{16}	*trans*-1,3-Dimethylcyclohexane	124.45	76.9	70	vol. %	826
4152	C_8H_{16}	*trans*-1,4-Dimethylcyclohexane	119.35	76.2	64	vol. %	826
		"			~64		928
4153	C_8H_{16}	1-Ethyl-1-methylcyclopentane	121.52	76.5	66	vol. %	826
4154	C_8H_{16}	1,*cis*-2,*trans*-3-Trimethylcyclopentane	117.5	75.9	62	vol. %	826

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**C_2H_6O**	**Ethyl Alcohol** *(continued)*	**78.3**			
4155	C_8H_{16}	*cis-trans-cis*-1,2,4-Trimethylcyclopentane			~52	928
4156	C_8H_{16}	1,*trans*-2,*cis*-4-Trimethylcyclopentane	109.29	74.3	52 vol. %	826
4157	C_8H_{16}	2,4,4-Trimethyl-2-pentene	104.91	73.9	50 vol. %	826
4158	C_8H_{18}	2,2-Dimethylhexane	106.84	73.6	46 vol. %	826
		"	106.84		36	928
4159	C_8H_{18}	2,3-Dimethylhexane	115.8		55	928
		"	115.61	75.5	57 vol. %	826
4160	C_8H_{18}	2,5-Dimethylhexane	109.2	73.6	59	545
4161	C_8H_{18}	3,4-Dimethylhexane	117.9		60	928
		"	117.73	75.8	60 vol. %	826
4162	C_8H_{18}	2-Methylheptane	117.65	75.8	59 vol. %	826
		"	117.2		59	928
4163	C_8H_{18}	3-Methylheptane	119.0		61	928
		"	118.93	76.0	61 vol. %	826
4164	C_8H_{18}	4-Methylheptane	117.71	75.8	61 vol. %	826
		"	118		61	928
4165	C_8H_{18}	Octane	125.6	77	78	537
		" 189.8 mm.		45	66.5	72c
		" 304.6 mm.		55	67.8	72c
		" 473.3 mm.		65	69.2	72c
		" 712.1 mm.		75	70.6	72c
4166	C_8H_{18}	2,2,3-Trimethylpentane	109.8		53	928
		"	109.84	74.3	53 vol. %	826
4167	C_8H_{18}	2,2,4-Trimethylpentane	99.24	71.8	40 vol. %	826
		" 96.1 mm.	—	25	30.4 v-l	488
		" 318.8 mm.	—	50	36.7 v-l	488
		"	—	0	24.8	488
		"	99.3	<72.4	<53	575
4168	C_8H_{18}	2,3,3-Trimethylpentane	113.6		57	928
		"	114.76	75.3	56 vol. %	826
4169	C_8H_{18}	2,3,4-Trimethylpentane	113.47	75.1	57 vol. %	826
		"	113.4		57	928
4170	$C_8H_{18}O$	Butyl ether	142.1	Nonazeotrope		981
4171	$C_8H_{18}O$	Isobutyl ether	122.1	Nonazeotrope		556
4172	$C_8H_{18}O_2$	2-Ethyl-1,3-hexanediol	243.1	Nonazeotrope		981
4173	C_9H_{12}	Cumene	152.8	Nonazeotrope		575
4174	C_9H_{12}	Mesitylene	164.6	Nonazeotrope		537
4175	C_9H_{12}	Propylbenzene	159.3	Nonazeotrope		575
4176	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		537
4177	$C_{10}H_{16}$	Camphene	159.6	Nonazeotrope		537
4178	$C_{10}H_{16}$	*d*-Limonene	177.8	Nonazeotrope		537
4179	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope		528
		"	155.8	Min.b.p.		563

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_2H_6O**	**Ethyl Alcohol *(continued)***	**78.3**				
4180	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope			575
4181	$C_{10}H_{16}$	Thymene	179.7	Nonazeotrope			537
4182	$C_{10}H_{22}$	2,7-Dimethyloctane	160.2	Nonazeotrope			537
A =	**C_2H_6O**	**Methyl Ether**	**— 23.65**				
4183	C_3H_9N	Trimethylamine	3.5	Nonazeotrope			378
A =	**C_2H_6OS**	**Dimethylsulfoxide**					
4183a	$C_4H_{10}O$	Butyl alcohol	120.2	Nonazeotrope		v-l	145c
		"	150.3	Nonazeotrope		v-l	145c
4184	C_6H_6	Benzene, 25°-70°		V.p. curve			449
A =	**$C_2H_6O_2$**	**Glycol**	**197.4**				
4185	C_2H_7NO	2-Aminoethanol	170.8	Nonazeotrope			527
4186	$C_3H_4O_3$	Ethylene carbonate,					
		10 mm.		88	13.9		747
		" 25 mm.		107	7.5		747
		" 50 mm.		122	2.6		747
		" 72 mm.		**163**	**0**		**747**
4187	$C_3H_4Cl_2$	1,2,3-Trichloropropane	156.85	150.8	13		573
4188	C_3H_5I	3-Iodopropene	101.8	<101.5	<1.5		575
4189	$C_3H_6Br_2$	1,2-Dibromopropane	140.5	139.0	6		567
4190	$C_3H_6Br_2$	1,3-Dibromopropane	166.9	160.2	10.2		527
4191	$C_3H_6Cl_2O$	1,3-Dichloro-2-propanol	175.8	Nonazeotrope			541
4192	$C_3H_6Cl_2O$	2,3-Dichloro-1-propanol	182.5	Nonazeotrope			575
4193	C_3H_7ClO	1-Chloro-2-propanol	127.5	Nonazeotrope			575
4194	C_3H_7NO	Propionamide	222.1	Nonazeotrope			527
4195	$C_3H_7NO_2$	Ethyl carbamate	185.25	Nonazeotrope			527
4195a	C_3H_8O	Propyl alcohol					
		750 mm.	97	Nonazeotrope		v-l	882c
4196	$C_3H_8O_3$	Glycerol	290.5	Nonazeotrope			575
4197	C_4H_5N	Pyrrol	130.0	Nonazeotrope			527
4198	C_4H_5NS	Allyl isothiocyanate	152.05	<151.8			575
4199	$C_4H_6O_4$	Methyl oxalate	164.2	~163.5	~15		530
4200	$C_4H_7BrO_2$	Ethyl bromoacetate	158.8	157.3	12		527
4201	$C_4H_7ClO_2$	Ethyl chloroacetate	143.55	Nonazeotrope			575
4202	$C_4H_8Br_2O$	Bis(2-bromoethyl) ether,					
		760 mm.		180-185	~50		215
		50 mm.		105-115	~50		215
4203	$C_4H_8Cl_2O$	Bis(2-chloroethyl) ether	178	170.5	12.5		121
		"	178.65	171.05	21		556
		" 50 mm.	96	92.7			982
		"	178.6	164	17.8		183
4204	$C_4H_8Cl_2S$	Bis(2-chloroethyl) sulfide	216.8	186.0?			575
4204a	C_4H_8O	Tetrahydrofuran	66	Nonazeotrope		v-l	859c
4205	C_4H_8OS	Ethyl thioacetate	116.8	Nonazeotrope			575
4206	$C_4H_8O_2$	Dioxane	101.4	Nonazeotrope			201
4207	$C_4H_8O_2$	2-Vinyloxethanol	143		13		263

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_2H_6O_2$**	**Glycol** *(continued)*	**197.4**			
4208	$C_4H_8O_3$	Ethylene glycol monoacetate		Nonazeotrope		413
		" 150 mm.		Nonazeotrope		413
		"	190.9	184.75	25	569
4209	C_4H_9Br	1-Bromobutane	101.5	101.3	1.7	575
4210	C_4H_9Br	1-Bromo-2-methylpropane	91.4	< 91.35	< 0.8	575
4211	C_4H_9I	1-Iodobutane	130.4	128.5	5	567
4212	C_4H_9I	1-Iodo-2-methylpropane	120.8	119.5	3.5	575
4213	$C_4H_{10}O$	Butyl alcohol	117.75	Nonazeotrope		535
4214	$C_5H_4O_2$	2-Furaldehyde	161.45	Nonazeotrope		527
4215	C_5H_5N	Pyridine	115	Nonazeotrope		791
4216	$C_5H_9ClO_2$	Propyl chloroacetate	163.5	162	20	575
4217	$C_5H_{10}O_3$	Ethyl carbonate	125.9	Nonazeotrope		537
4218	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	Nonazeotrope		575
4219	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	119.45	5.5	527
4220	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	143.0	7	567
4221	$C_5H_{12}O$	Isoamyl alcohol	131.35	Nonazeotrope		527
4222	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	Nonazeotrope		526
4223	$C_5H_{12}O_3$	2-(2-Methoxyethoxy) ethanol	194.2	192	30	129,527, 808,982
		2-(2-Methoxyethoxy)-ethanol 50 mm.		114	4.0	129,527, 808,982
		" 200 mm.		149	12.0	
4224	$C_6H_3Cl_3$	1,3,5-Trichlorobenzene	208.4	181.0		567
4225	C_6H_4BrCl	*p*-Bromochlorobenzene	196.4	173.8	28	567
4226	$C_6H_4Br_2$	*p*-Dibromobenzene	220.25	183.9	32.5	574
4227	$C_6H_4ClNO_2$	*m*-Chloroniltrobenzene	235.5	192.5	53	554
4228	$C_6H_4ClNO_2$	*o*-Chloronitrobenzene	246.0	193.5	68	554
4229	$C_6H_4ClNO_2$	*p*-Chloronitrobenzene	239.1	192.85	57.8	554
4230	$C_6H_4Cl_2$	*o*-Dichlorobenzene	179.5	165.8	20	567
4231	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.35	163	~23	573
		"	174.35	162.7	18	574
4232	C_6H_5Br	Bromobenzene	156.15	150.2	12.5	530
4233	C_6H_5Cl	Chlorobenzene	132	130.05	5.6	526
4234	C_6H_5ClO	*o*-Chlorophenol	175.8	Nonazeotrope		575
4235	C_6H_5ClO	*p*-Chlorophenol	219.75	Nonazeotrope		535
4236	C_6H_5I	Iodobenzene	188.55	171.5		573
4237	$C_6H_5NO_2$	Nitrobenzene	210.75	185.9	59	554
4238	$C_6H_5NO_3$	*o*-Nitrophenol	217.2	189.35	49	527
4239	C_6H_6	Benzene	80.2	Nonazeotrope		537
4240	C_6H_6O	Phenol	182.2	Nonazeotrope		542,368, 374
		"	181.5	199	78	563
4241	$C_6H_6O_2$	Pyrocatechol	245.9	Nonazeotrope		564

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_2H_6O_2$**	**Glycol** *(continued)*	**197.4**				
4242	C_6H_7N	Aniline	184.35	180.55	24		551
		" 37.1 mm.		95	8.75	v-l	181
		" 104.7 mm.		120	12.7	v-l	181
		" 257.9 mm.		145	16.8	v-l	181
4243	C_6H_7N	2-Picoline	128.8	Nonazeotrope			791
4244	C_6H_7N	3-Picoline	143.5	Nonazeotrope			790,791
4245	$C_6H_8N_2$	o-Phenylenediamine	258.6	Nonazeotrope			527
4246	$C_6H_8O_4$	Methyl maleate	204.05	189.6	42		570
4247	C_6H_9N	*N*-Ethylpyrrol	130.4	Nonazeotrope			575
4248	C_6H_{10}	Cyclohexene	82.7	Nonazeotrope			540
4249	$C_6H_{10}O_2$	2-5-Hexadione	191.3	<180.5	< 45		552
4250	$C_6H_{10}O_4$	Ethylidene diacetate	168.5	167.45	8.2		527
4251	$C_6H_{10}O_4$	Ethyl oxalate	185.65	176.5	25		575
		"	185.0	Reacts			563
4252	$C_6H_{10}O_4$	Glycol diacetate	186.3	<179.5	< 24		575
4253	$C_6H_{10}O_4$	Methyl succinate	195	Reacts			563
4254	$C_6H_{11}ClO_2$	Butyl chloroacetate	181.9	176.0	30		526
4255	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope			537
4256	C_6H_{12}	Methylcyclohexane	72.0	Nonazeotrope			575
4257	$C_6H_{12}O$	Cyclohexanol	160.65	Nonazeotrope			530
4258	$C_6H_{12}O_2$	Butyl acetate	126.0	Nonazeotrope			575
4259	$C_6H_{12}O_2$	Ethyl butyrate	121.5	Nonazeotrope			575
4260	$C_6H_{12}O_2$	Isoamyl formate	123.8	Nonazeotrope			536
4261	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope			526
4262	$C_6H_{12}O_3$	Paraldehyde	124.35	Nonazeotrope			556
4263	$C_6H_{13}Br$	1-Bromohexane	156.5	150.5	14		567
4264	C_6H_{14}	2,3-Dimethylbutane	58.0	Nonazeotrope			575
4265	C_6H_{14}	Hexane	68.8	Nonazeotrope			575
4266	$C_6H_{14}O$	Hexyl alcohol	157.8	Nonazeotrope			573
4267	$C_6H_{14}O_2$	Acetal	103.55	Nonazeotrope			535
4268	$C_6H_{14}O_2$	2-Butoxyethanol	171.25	Nonazeotrope			526
4269	$C_6H_{14}O_2$	Pinacol	174.35	Nonazeotrope			530
4270	$C_6H_{14}O_3$	2-(2-Ethoxyethoxy) ethanol	202.8	192	45.5		808,982
		" 100 mm.	137.3	134	33		982
		" 36 mm		108.5	26.6		707
		" 10 mm.		85.4	20.5		313
		"		194.0	46.0		313
4271	$C_7H_5Cl_3$	α,α,α-Trichlorotoluene	220.9	Reacts			535
4272	C_7H_5N	Benzonitrile	191.3	186.5			563
4273	$C_7H_6Cl_2$	α,α-Dichlorotoluene	205.1	Nonazeotrope			542
4274	C_7H_6O	Benzaldehyde	179.2	<173.5	> 15		575
4275	C_7H_7Br	*m*-Bromotoluene	184.3	168.3	23		527
4276	C_7H_7Br	*o*-Bromotoluene	181.75	166.8	25		528
4277	C_7H_7Br	*p*-Bromotoluene	~ 184.5	169.2	30		573
4278	C_7H_7Cl	α-Chlorotoluene	179.3	~ 167.0	~ 30		530

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No.	B-Component Formula	B-Component Name	B-Component B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_2H_6O_2$**	**Glycol** *(continued)*	**197.4**				
4279	C_7H_7Cl	*o*-Chlorotoluene	159.2	152.5	13		567
4280	C_7H_7Cl	*p*-Chlorotoluene	162.4	155.0			573
4281	C_7H_7I	*p*-Iodotoluene	214.5	181.5	30		567
4282	$C_7H_7NO_2$	*m*-Nitrotoluene	230.8	192.5	57?		554
4283	$C_7H_7NO_2$	*o*-Nitrotoluene	221.75	188.55	48.5		554
4284	$C_7H_7NO_2$	*p*-Nitrotoluene	238.9	192.4	63.5		554
4285	C_7H_8	Toluene	110.75	110.20	6.5		573
		"	110.6	110.1	2.3		982
4286	C_7H_8O	Anisole	153.85	150.45	10.5		530
4287	C_7H_8O	Benzyl alcohol	205.25	193.35	53.5		549
		"	205.2	193.1	56		183
4288	C_7H_8O	*m*-Cresol	202.1	195.2	60		541
		"	202.4		61	v-l	730
4289	C_7H_8O	*o*-Cresol	191.1	189.6	27		574
		"	191	189.52	26		505
4290	C_7H_8O	*p*-Cresol	202.0		59.5	v-l	730
		"	201.6	195.2	53.5		528
4291	$C_7H_8O_2$	Guaiacol	205.1	190.4	46		556
4292	$C_7H_8O_2$	*m*-Methoxyphenol	243.8	195.5	~ 80		575
4293	C_7H_9N	2,6-Lutidine	142	Nonazeotrope			791
4294	C_7H_9N	*N*-Methylaniline, 31.8 mm.		95	22.9	v-l	181
		" 95.3 mm.		120	26.6	v-l	181
		" 244 mm.		145	30.0	v-l	181
		"	196.25	181.6	40.2		551
4295	C_7H_9N	*m*-Toluidine	200.3	188.55	42		551
4296	C_7H_9N	*o*-Toluidine	200.35	186.45	42.5		551
4297	C_7H_9N	*p*-Toluidine	200.55	187.0	27		551
4298	C_7H_9NO	*o*-Anisidine	219.0	<193.5	< 59		551
4299	$C_7H_{12}O_4$	Ethyl malonate	198.9	Reacts			563
4300	$C_7H_{13}ClO_2$	Isoamyl chloroacetate	195.0	<187.5	> 38		575
4301	C_7H_{14}	Methylcyclohexane	101.1	100.8	~ 4		537
4302	$C_7H_{14}O_2$	Amyl acetate	148.7	147.6	6		564
4303	$C_7H_{14}O_2$	Butyl propionate	146.8	<146.0	< 7		575
4304	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	Nonazeotrope			575
4305	$C_7H_{14}O_2$	Ethyl valerate	145.45	144.7	3		564
4306	$C_7H_{14}O_2$	Isoamyl acetate	142.1	141.95	~ 3		536
4307	$C_7H_{14}O_2$	Isobutyl propionate	137.5	Nonazeotrope			575
4308	$C_7H_{14}O_2$	Methyl caproate	149.8	148.0	7		575
4309	$C_7H_{14}O_2$	Propyl butyrate	142.8	142.7	~ 3		536
4310	$C_7H_{14}O_2$	Propyl isobutyrate	134.0	Nonazeotrope			575
4311	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	<171.0	< 12		575
4312	C_7H_{16}	Heptane	98.45	97.9	3		563
4313	$C_7H_{16}O$	Heptyl alcohol	176.15	174.1	20		564

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_2H_6O_2$**	**Glycol** *(continued)*	**197.4**				
4314	C_8H_7N	Indole	253.5	Nonazeotrope			575
4315	C_8H_8	Styrene	145.8	139.5	16.5		537
4316	C_8H_8O	Acetophenone	202.0	185.65	52		552
		" 5–6 mm.		63.0	19.2		581c
4317	$C_8H_8O_2$	Benzyl formate	202.3	Reacts			535
4318	$C_8H_8O_2$	Methyl benzoate	199.45	182.2	36.5		530
4319	$C_8H_8O_2$	Phenyl acetate	195.7	182.9	34		530
4320	$C_8H_8O_3$	Methyl salicylate	222.35	188.8	48		574
4321	C_8H_{10}	Ethylbenzene	136.15	133.0	13.5		537
4322	C_8H_{10}	***m*-Xylene**	**139.0**	135.6	~ 15		574
		"	139.1	135.1	6.55		856
4323	C_8H_{10}	***o*-Xylene**	**144.4**	135.7	6.9		982
		"	143.6	139.6	16		537
4324	C_8H_{10}	***p*-Xylene**	**138.3**	136.95	14.5		537
		"	138.4	134.5	6.42		856
4325	$C_8H_{10}O$	Benzyl methyl ether	167.8	159.8	18		567
4325a	$C_8H_{10}O$	2,6-Dimethylphenol					
		25 mm.		102	20		738c
		" 50 mm.		116	24		738c
		" 100 mm.		132	28		738c
		" 200 mm.		149	32		738c
		" 735 mm.		189	40		738c
4326	$C_8H_{10}O$	***p*-Methylanisole**	**177.05**	166.6	22.8		541
4327	$C_8H_{10}O$	***p*-Ethylphenol**	**218.8**	Nonazeotrope			556
4328	$C_8H_{10}O$	Phenethyl alcohol	219.4	194.4	69		549
4329	$C_8H_{10}O$	Phenetole	170.45	161.45	19		545
4330	$C_8H_{10}O$	3,4-Xylenol	226.8	197.2	89		564
4331	$C_8H_{10}O_2$	***o*-Ethoxyphenol**	**216.5**	192.6			545
4332	$C_8H_{10}O_2$	Veratrol	205.5	178.5	35		574
4333	$C_8H_{11}N$	Dimethylaniline	194.05	178.55	33.5		551
		" 39.3 mm.		95	17.6	v-l	181
		" 115 mm.		120	21.8	v-l	181
		" 293 mm.		145	26.5	v-l	181
4334	$C_8H_{11}N$	***s*-Collidine**	**171.3**	170.5	9.7		505
		"	171	170.7	8.8		791
4335	$C_8H_{11}N$	2,4-Xylidine	214.0	188.6	47		551
4336	$C_8H_{11}N$	3,4-Xylidine	225.5	<189.0	<91.6		551
4337	$C_8H_{11}N$	Ethylaniline	205.5	183.7	43		551
4338	$C_8H_{11}NO$	***o*-Phenetidine**	**232.5**	194.8	67.8		551
4339	$C_8H_{11}NO$	***p*-Phenetidine**	**249.9**	197.35	97		551
4340	$C_8H_{12}O_4$	Ethyl fumarate	217.85	189.35	48.5		569
4341	$C_8H_{12}O_4$	Ethyl maleate	223.3	193.1	55		570
4342	$C_8H_{14}O$	Methyl heptenone	173.2	168.1	23		552
4343	$C_8H_{14}O_4$	Ethyl succinate	217.25	Reacts			535
4344	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	119.2	9		575
4345	$C_8H_{16}O$	2-Octanone	172.85	168.0	20		552
4346	$C_8H_{16}O_2$	Butyl butyrate	166.4	160.6	16		564

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_2H_6O_2$**	**Glycol** *(continued)*	**197.4**			
4347	$C_8H_{16}O_2$	Isoamyl propionate	160.3	155.5	12	536
4348	$C_8H_{16}O_2$	Isobutyl butyrate	155.7	153.7	10	564
4349	$C_8H_{16}O_2$	Isobutyl isobutyrate	148.6	147.5	6	564
4350	$C_8H_{16}O_2$	Propyl isovalerate	155.7	~ 152	10	536
4351	$C_8H_{16}O_4$	2-(2-Ethoxyethoxy)ethyl acetate	218.5	195.0		575
4352	C_8H_{18}	2,5-Dimethylhexane	109.4	108.65	7.5	575
4353	C_8H_{18}	Octane	125.75	123.5	11.5	567
4354	$C_8H_{18}O$	Butyl ether	142.1	140.0	10	545
		"	142.1	139.5	6.4	981,982
4355	$C_8H_{18}O$	Isobutyl ether	122.1	121.9	7	576
4356	$C_8H_{18}O$	*n*-Octyl alcohol	195.2	184.35	36.5	549
4357	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	175.55	21	549
4358	$C_8H_{18}O_2$	2-(2-Butoxyethoxy)ethanol	230.4	196.2	72.5	129,808
4359	$C_8H_{18}O_3$	Bis(2-ethoxyethyl)ether	186	178.0	26.1	129
4360	$C_8H_{19}NO$	2-Diisopropylamino-ethanol, 10 mm.	79	74	10	982
		" 50 mm.	111	104	15	982
		" 100 mm.	127	121	18	982
4361	C_9H_7N	Isoquinoline	240.3	Nonazeotrope		575
4362	C_9H_7N	Quinoline	237.3	196.35	79.5	553
4363	C_9H_8	Indene	183.0	168.4	26	541
4364	C_9H_8O	Cinnamaldehyde	253.5	Nonazeotrope		575
4365	C_9H_9N	β-Methylindole	266.5	Nonazeotrope		575
4366	$C_9H_{10}O$	*p*-Methylactetophenone	226.35	192.2	60	552
4367	$C_9H_{10}O$	Propiophenone	217.7	190.2	57	552
4368	$C_9H_{10}O_2$	Benzyl acetate	214.9	186.5	45	536
4369	$C_9H_{10}O_2$	Ethyl benzoate	212.5	186.1	46	570
4370	$C_9H_{10}O_3$	Ethyl salicylate	234.0	190.7	51.5	542
4371	C_9H_{12}	Cumene	152.8	147.0	18	567
4372	C_9H_{12}	Mesitylene	164.6	156	13	573
4373	C_9H_{12}	Propylbenzene	158.8	152	19	526
4374	C_9H_{12}	Pseudocumene	168.2	<157.7	83.2	541
4375	$C_9H_{12}O$	Benzyl ethyl ether	185.0	169.0	22	545
4375a	$C_9H_{12}O$	α,α-Dimethylbenzyl alcohol 5–6 mm.		74.5	17.1	581c
4376	$C_9H_{12}O$	3-Phenylpropanol	235.6	195.5	75	550
4377	$C_9H_{12}O$	Phenyl propyl ether	190.2	171.0	26	538
4378	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	169.3	23	551
4379	$C_9H_{13}N$	*N,N*-Dimethyl-*p*-toluidine	210.2	182.0	47	551
4380	$C_9H_{14}O$	Phorone	197.8	184.5	50	552
		Phorone	197.8	184.5	42	181
4381	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	164.2	35	552
4382	$C_9H_{18}O_2$	Butyl isovalerate	177.6	169.0	23	564
4383	$C_9H_{18}O_2$	Ethyl enanthate	188.7	174.0	30	575
4384	$C_9H_{18}O_2$	Isoamyl butyrate	178.5	167.9	24.5	536
4385	$C_9H_{18}O_2$	Isoamyl isobutyrate	168.5	161.5	20	536

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_2H_6O_2$**	**Glycol** *(continued)*	**197.4**			
4386	$C_9H_{18}O_2$	Isobutyl isovalerate	171.4	163.7	21.7	541
4387	$C_9H_{18}O_2$	Methyl caprylate	192.9	175.5	31	563
4388	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	<180.5	28	567
4389	$C_{10}H_7Br$	1-Bromonaphthalene	281.8	194.95	71.2	541
4390	$C_{10}H_7Cl$	1-Chloronaphthalene	262.7	192.9	65.2	541
4391	$C_{10}H_8$	Naphthalene	218.05	183.9	51	528
		"	217.9	183.6	46	413
4392	$C_{10}H_{10}O_2$	Isosafrol	252.1	192.8	64	574
4393	$C_{10}H_{10}O_2$	Methyl cinnamate	261.9	196.2	85	574
4394	$C_{10}H_{10}O_2$	Safrol	235.9	190.05	55	574
4395	$C_{10}H_{10}O_4$	Methyl phthalate	283.7	Nonazeotrope		564
4396	$C_{10}H_{12}O$	Anethole	235.7	189.35	56	527
4397	$C_{10}H_{12}O$	Estragol	215.6	182.3	40	545
4398	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.7	190.0	54	536
4399	$C_{10}H_{12}O_2$	Eugenol	255.0	196.8	90	556
4400	$C_{10}H_{12}O_2$	Isoeugenol	268.8	Nonazeotrope		575
4401	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	190.35	55	570
4402	$C_{10}H_{14}$	Butylbenzene	183.1	166.2	27	567
4403	$C_{10}H_{14}$	Cymene	176.7	163.2	25.5	537
4404	$C_{10}H_{14}O$	Carvone	231.0	192.5	60.8	552
4405	$C_{10}H_{14}O$	Thymol	232.9	195.5	62	564
4406	$C_{10}H_{14}O_2$	*m*-Diethoxybenzene	235	192.5	53	538
4407	$C_{10}H_{15}N$	Diethylaniline	217.05	183.4	33	551
4408	$C_{16}H_{16}$	Camphene	159.5	152.5	20	528
4409	$C_{10}H_{16}$	*d*-Limonene	177.8	163.5	26	537
4410	$C_{10}H_{16}$	Nopinene	163.8	155.0	19	526
4411	$C_{10}H_{16}$	α-Pinene	155.8	149.5	18.5	540
4412	$C_{10}H_{16}$	α-Terpinene	173.4	161.0	23.5	567
4413	$C_{10}H_{16}$	γ-Terpinene	183	166.5	26	575
4414	$C_{10}H_{16}$	Terpinolene	184.6	167.4	28.5	567
4415	$C_{10}H_{16}$	Thymene	179.7	164.5	27.5	573
4416	$C_{10}H_{16}O$	Camphor	209.1	186.15	40	552
4417	$C_{10}H_{16}O$	Pulegone	223.8	191.2	58	552
4418	$C_{10}H_{18}$	*m*-Menthene-8	170.8	159.5	~ 21	575
4419	$C_{10}H_{18}O$	Borneol	215.0	189.25	54.2	549
4420	$C_{10}H_{18}O$	Cineol	176.4	164.75	~ 15	528
4421	$C_{10}H_{18}O$	Citronellal	207.8	~188.5	~ 53	574
4422	$C_{10}H_{18}O$	Geraniol	229.6	194.65	67.5	549
4423	$C_{10}H_{18}O$	Linalool	198.6	182.2	40	549
4424	$C_{10}H_{18}O$	Menthone	209.5	<190.0	< 62	552
4425	$C_{10}H_{18}O$	α-Terpineol	218.85	189.55	56	549
4426	$C_{10}H_{18}O$	β-Terpineol	210.5	188.4	50	527
4427	$C_{10}H_{18}O_4$	Propyl succinate	250.5	Nonazeotrope		575
4428	$C_{10}H_{20}O$	Citronellol	224.4	193.5	63	549
4429	$C_{10}H_{20}O$	Menthol	216.3	188.55	51.5	549
4430	$C_{10}H_{20}OS$	2-Hexylthioethyl vinyl ether		Min. b.p.		953

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_2H_6O_2$**	**Glycol** *(continued)*	**197.4**				
4431	$C_{10}H_{20}O_2$	Ethyl caprylate	208.35	182.5	41		575
4432	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	114.85	27.2		541
4433	$C_{10}H_{20}O_2$	Methyl pelargonate	213.8	186.0	45		567
4434	$C_{10}H_{22}$	Decane	173.3	161.0	23		567
4435	$C_{10}H_{22}$	2,7-Dimethyloctane	160.1	<153.0	< 21		575
4436	$C_{10}H_{22}O$	*n*-Decyl alcohol	232.8	193.0	67		545
4437	$C_{10}H_{22}O$	Amyl ether	187.5	168.8	26		556
4438	$C_{10}H_{22}O$	Isoamyl ether	172.6	162.8	19		573
4439	$C_{10}H_{22}O_3$	Isoamyl carbonate	232.2	188.45	49		566
4440	$C_{10}H_{22}O_4$	Tripropylene glycol methyl ether	243	192	82	v-l	215
		"		138.5	77.2		215
		"		111.5	75.1		215
4441	$C_{11}H_{10}$	1-Methylnaphthalene	245.1	190.25	60		574
4442	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	189.1	57.2		527
4443	$C_{11}H_{12}O_2$	Ethyl cinnamate	272.0	197.0	72		567
4444	$C_{11}H_{14}O_2$	1-Allyl 3,4-dimethoxy-benzene	255.2	195.1	68.5		574
4445	$C_{11}H_{14}O_2$	Butyl benzoate	251.2	193.2	68		535
4446	$C_{11}H_{14}O_2$	1,2-Dimethoxy-4-propenyl-benzene	270.5	196.5	80		545
4447	$C_{11}H_{14}O_2$	Isobutyl benzoate	242.15	192.0	63		574
4448	$C_{11}H_{16}O$	Methyl thymyl ether	216.5	183.0	40		575
4449	$C_{11}H_{20}O$	Methyl isobornyl ether	192.2	191	< 25		563
4450	$C_{11}H_{20}O$	Methyl terpineol ether	216.2	184.5	40		538
4451	$C_{11}H_{22}O_2$	Ethyl pelargonate	227	190.8			575
4452	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	188.45	46		568
4453	$C_{12}H_{10}$	Acenaphthene	277.9	194.65	74.2		541
4454	$C_{12}H_{10}$	Biphenyl	256.1	192.25	66.5		568
4455	$C_{12}H_{10}O$	Phenyl ether	259.3	193.05	60		542
		" 50 mm.	161.0	120.4	62.3		982
		"	259.3	192.3	64.5		181
4456	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.05	193.95	66.2		574
4457	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.4	183	49		573
4458	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	190.0	53		536
4459	$C_{12}H_{22}O$	Bornyl ethyl ether	204.9	177.0	34		567
4460	$C_{12}H_{22}O$	Ethyl isobornyl ether	203.8	176.5	33		556
4461	$C_{12}H_{26}$	Dodecane, 748 mm.	216	179			424
		" 200 mm.		142			424
		" 150 mm.		135			424
		" 100 mm.		125			424
		" 50 mm.		110			424
4462	$C_{12}H_{26}O$	Hexyl ether, 50 mm.	137.0	112.8	35.6		982
4463	$C_{13}H_{10}$	Fluorene	296.4	196.0	82		564
4464	$C_{13}H_{10}O_2$	Phenyl benzoate	315	Nonazeotrope			575
4465	$C_{13}H_{12}$	Diphenylmethane	265.6	193.3	68.5		574

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_2H_6O_2$**	**Glycol** *(continued)*	**197.4**			
4466	$C_{13}H_{12}O$	Benzyl phenyl ether	286.5	195.5	87	567
4467	$C_{13}H_{28}$	Tridecane	234.0	188.0	55	526
4468	$C_{14}H_{10}$	Anthracene	340	197	98.3	887
4469	$C_{14}H_{12}$	Stilbene	306.4	196.8	87	564
4470	$C_{14}H_{12}O_2$	Benzyl benzoate	324	Nonazeotrope		575
4471	$C_{14}H_{14}$	1,2-Diphenylethane	284	195.2	77	537
4472	$C_{14}H_{14}O$	Benzyl ether	297	<196.5	<96	575
4473	$C_{14}H_{30}$	Tetradecane, 748 mm.	252.5	187.5		424
		" 200 mm.		150.5		424
		" 133 mm.		142.5		424
		" 118 mm.		118		424
4474	$C_{16}H_{34}O$	2-Ethylhexyl ether,				
		" 10 mm.	135	87		982
A =	**C_2H_6S**	**Ethanethiol**	**35.8**			
4475	C_2H_6S	Methyl sulfide	37.4	< 34.8	< 62	575
4476	C_3H_6O	Acetone	56.25	Nonazeotrope		563
4477	C_3H_7Cl	2-Chloropropane	36.25	36.15	~ 45	563
4478	$C_3H_7NO_2$	Propyl nitrite	47.75	Nonazeotrope		566
4479	$C_3H_8O_2$	Methylal	42.3	34.5	>80	566
4480	$C_4H_{10}O$	Ethyl ether	34.6	34.0	35	566
4481	C_5H_8	Isoprene	34.1	Reacts		563
4482	C_5H_{10}	Cyclopentane	49.263	34.95	89	202
4483	C_5H_{10}	2-Methyl-2-butene	37.15	32.95	~ 60	563
4484	C_5H_{10}	3-Methyl-1-butene	20.6	Nonazeotrope		575
4485	C_5H_{12}	2-Methylbutane	27.854	25.72	29	202
		"	27.95	Nonazeotrope		563
4486	C_5H_{12}	Pentane	36.074	30.46	51	202,563
4487	C_6H_{14}	2,2-Dimethylbutane	49.743	34.41	83	202
A =	**C_3H_6S**	**Methyl Sulfide**	**37.3**			
4488	C_3H_6O	Acetone	56.25	Nonazeotrope		563
4489	C_3H_7Cl	1-Chloropropane	46.6	Nonazeotrope		563
4490	C_3H_7Cl	2-Chloropropane	36.25	36		563
4491	$C_3H_7NO_2$	Isopropyl nitrite	40.1	< 36.6	> 19	566
4492	$C_3H_7NO_2$	Propyl nitrite	47.75	Nonazeotrope		550
4493	C_3H_8O	Isopropyl alcohol	82.4	Nonazeotrope		566
4494	$C_3H_8O_2$	Methylal	42.25	35.7		555
4495	C_4H_8O	2-Butanone	79.6	Nonazeotrope		575
4496	C_4H_9ClO	Chloroethyl ethyl ether	98.5	Nonazeotrope		566
4497	$C_4H_{10}O$	tert-Butyl alcohol	82.45	Nonazeotrope		566
4498	$C_4H_{10}O$	Ethyl ether	34.6	34.0	20	566
4499	$C_4H_{10}O$	Methyl propyl ether	38.95	< 37.0	> 65	575
4500	C_5H_8	Isoprene	34.3	32.5	35	566
4501	C_5H_{10}	Cyclopentane	49.35	37.09	87.5	205
4502	C_5H_{10}	2-Methyl-2-butene	38.60	34.83	53.6	205,555
4503	C_5H_{10}	2-Methyl-1-butene	31.25	30.64	17.0	205

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_2H_6O_2$**	**Methyl Sulfide** *(continued)*	**37.3**			
4504	C_5H_{10}	3-Methyl-1-butene	20.6	Nonazeotrope		566
4505	C_5H_{12}	2-Methylbutane	27	27.3	15	531
		2-Methylbutane	27.90	26.62	25.0	205
4506	C_5H_{12}	Pentane	36.15	31.80	46.6	205
		"	36.15	~ 33.5	~ 45	531
4507	C_6H_{14}	2,3-Dimethylbutane	58.0	Nonazeotrope		566
4508	C_6H_{14}	2,2-Dimethylbutane	49.70	36.50	79.8	205
A =	**$C_2H_6SO_4$**	**Methyl Sulfate**	**189.1**			
4509	$C_5H_{10}O_2$	Isovaleric acid	176.5	<175.0	< 40	575
4510	$C_5H_{10}O_2$	Valeric acid	186.35	<182	< 60	575
4511	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.6	Nonazeotrope		547
4512	C_6H_5Br	Bromobenzene	156.1	Nanozeotrope		547
4513	C_6H_5I	Iodobenzene	188.45	<184	> 50	547
4514	C_6H_6O	Phenol	181.5	Reacts		563
4515	$C_6H_{10}O_4$	Ethyl oxalate	185	Nonazeotrope		563
4516	$C_6H_{13}Br$	1-Bromohexane	156.5	Nanozeotrope		575
4517	C_7H_7Br	*m*-Bromotoluene	184.3	<181.5	< 27	575
4518	C_7H_7Br	*o*-Bromotoluene	181.5	<179.5	< 28	575
4519	C_7H_7Br	*p*-Bromotoluene	185	181.5		563
4520	C_7H_7Cl	α-Chlorotoluene	179.35	Nonazeotrope		563
4521	C_7H_7Cl	*p*-Chlorotoluene	162.4	Nonazeotrope		547
4522	C_7H_8O	*m*-Cresol	202.2	Reacts		542
4523	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope		557
4524	$C_9H_{12}O$	Benzyl ethyl ether	185.0	<182.8	< 47	557
4525	$C_9H_{18}O_2$	Ethyl enanthate	188.7	185.5	38	575
4526	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	179.5	18	575
4527	$C_{10}H_{16}$	*d*-Limonene	177.8	~173		563
4528	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	185.8	63	549
4529	$C_{11}H_{20}O$	Isobornyl methyl ether	192.2	<185.5	< 70	557
A =	**$C_2H_6S_2$**	**Methyl Disulfide**	**109.44**			
4530	C_5H_6S	2-Methylthiophene	111.92	Nonazeotrope		205
4531	$C_5H_{12}S$	Ethyl isopropyl sulfide	107.22	106.37		205
4532	C_7H_8	Toluene	110.85	108.93		205
4533	C_7H_{14}	Methylcyclohexane	101.05	98.92	28.6	205
4534	C_7H_{16}	Heptane	98.40	96.44	26.3	205
4535	C_8H_{16}	*trans*-1,3-Dimethyl-cyclohexane	120.30	107.22	73.3	205
4536	C_8H_{18}	2,3-Dimethylhexane	109.15	102.84	48.2	205
4537	C_8H_{18}	2-Methylheptane	117.70	106.22	69.5	205
A =	**C_2H_7N**	**Dimethylamine**	**6.8**			
4538	C_3H_9N	Trimethylamine	3.5	3	26	818
		" 107 p.s.i.g.		73	72	818
		" 370 p.s.i.g.		Nonazeotrope		30,31;818
		"	3.5	Nonazeotrope		353
4539	C_4H_6	1,3-Butadiene	— 4.6	Nonazeotrope		305
4540	C_4H_8	1-Butene	— 6.3	Nonazeotrope		305

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**C_2H_7S**	**Dimethylamine** *(continued)*	**6.8**			
4541	C_4H_8	*cis*-2-Butene	3.7	Nonazeotrope		305
4542	C_4H_8	*trans*-2-Butene	0.4	Nonazeotrope		305
4543	C_4H_8	2-Methylpropene	— 6.9	Nonazeotrope		305
4544	C_4H_{10}	Butane	0.6	<0.2	< 12	575
		Butane	— 0.5	Nonazeotrope		305
4545	C_4H_{10}	2-Methylpropane	— 11.7	Nonazeotrope		305
4546	$C_4H_{11}NO$	2-(Dimethylamino)-ethanol	134.6	Nonazeotrope		981
4547	C_5H_{10}	3-Methyl-1-butene	20.6	Nonazeotrope		575
A =	**C_2H_7N**	**Ethylamine**	**16.55**			
4548	C_3H_6O	Acetone	56.15	Nonazeotrope		575
4549	C_3H_6O	Propylene oxide	34.1	Nonazeotrope		575
4550	C_4H_4O	Furan	31.7	Nonazeotrope		551
4551	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope		551
4552	$C_4H_{10}O$	Methyl propyl ether	38.95	Nonazeotrope		551
4553	$C_4H_{11}N$	Diethylamine	55.5	Nonazeotrope		981
4554	$C_4H_{11}NO_2$	2,2′-Iminodiethanol	268	Nonazeotrope		981
4555	C_5H_{10}	3-Methyl-1-butene	20.6	<15.4	> 54	551
4556	C_5H_{12}	2-Methylbutane	27.95	Nonazeotrope		551
A =	**C_2H_7NO**	**2-Aminoethanol**	**171.0**			
4557	C_3H_6O	Acetone	56.1	Nonazeotrope		981
4558	C_3H_7NO	Propionamide	222.2	Nonazeotrope		527
4559	$C_3H_7NO_2$	Ethyl carbamate	185.25	Reacts		527
4560	$C_4H_8Cl_2O$	Bis(2-chlorethyl) ether	178.65	Reacts		527
4561	$C_4H_{10}O_2$	2-Ethoxyethanol	135.3	Nonazeotrope		551
4562	$C_4H_{11}NO_2$	2,2′-Iminodiethanol, 10 mm.	150	Nonazeotrope		981
4563	C_5H_8O	Cyclopentanone	130.65	Nonazeotrope		551
4564	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	Nonazeotrope		551
4565	$C_5H_{12}O_3$	2-(2-Methoxyethoxy)-ethanol	192.95	Nonazeotrope		551
4566	$C_6H_4Cl_2$	*o*-Dichlorobenzene	179.5	157.3	40	551
4567	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.4	154.6	35	569
4568	C_6H_5Br	Bromobenzene	156.1	145.0	22	551
4569	C_6H_5Cl	Chlorobenzene	131.75	128.55	13.5	551
			132	124		906
4570	C_6H_5I	Iodobenzene	188.45	161.0	45	551
4571	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope		575
4572	C_6H_6	Benzene	80.15	Nonazeotrope		551
4573	C_6H_6O	Phenol	182.2	Nonazeotrope		551
4574	C_6H_7N	Aniline	184.35	170.3	90	551
4575	$C_6H_{10}O$	Cyclohexanone	155.7	Nonazeotrope		551
4576	$C_6H_{10}S$	Allyl sulfide	139	137.2	8	555
4577	$C_6H_{11}NO_2$	Nitrocyclohexane	205.3	Nonazeotrope		575
4578	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope		551
4579	C_6H_{12}	Methylcyclopentane	72.0	Nonazeotrope		575
4580	C_6H_{14}	Hexane	68.8	Nonazeotrope		551

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**C_2H_7NO**	**2-Aminoethanol** *(continued)*	**171.0**			
4581	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	166.95	43	**551**
4582	$C_6H_{14}S$	Propyl sulfide	141.5	<139.7	<13	566
4583	C_7H_7Br	*m*-Bromotoluene	184.3	159.3	44	551
4584	C_7H_7Br	*o*-Bromotoluene	181.5	157.8	42	551
4585	C_7H_7Cl	*o*-Chlorotoluene	159.2	146.5	26	551
4586	C_7H_7Cl	*p*-Chlorotoluene	162.4	148.2	28	551
4587	$C_7H_7NO_2$	*o*-Nitrotoluene	221.75	Nonazeotrope		575
4588	C_7H_8O	Anisole	153.85	145.75	25.5	551
4589	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope		551
4590	C_7H_8O	*p*-Cresol	201.7	Nonazeotrope		551
4591	C_7H_9N	Methylaniline	196.25	167.5	70	**551**
4592	C_7H_9N	*o*-Toluidine	200.35	Nonazeotrope		551
4593	C_7H_{14}	Methylcyclohexane	101.15	<100.5	<10	551
4594	$C_7H_{14}O$	4-Heptanone	143.55	Nonazeotrope		551
4595	C_7H_{16}	Heptane	98.4	<98.0		575
4596	C_8H_8O	Acetophenone	202.0	Nonazeotrope		551
4597	C_8H_{10}	Ethylbenzene	136.15	131.0	15	**551**
4598	C_8H_{10}	*m*-Xylene	139.2	133.0	18	551
4599	C_8H_{10}	*o*-Xylene	144.3	<138.0	20	551
4600	$C_8H_{10}O$	Benzyl methyl ether	167.8	150.5	28	**551**
4601	$C_8H_{10}O$	*p*-Methylanisole	177.05	154.5	37	551
4602	$C_8H_{10}O$	Phenetole	170.45	151.0	30	551
4603	$C_8H_{11}N$	Dimethylaniline	194.15	163.5	55	551
4604	$C_8H_{11}N$	2,4-Xylidine	214.0	Nonazeotrope		551
4605	$C_8H_{11}N$	Ethylaniline	206.05	<170.0		575
4606	C_8H_{18}	*n*-Octane	125.75	<123.0	<16	551
4607	$C_8H_{18}O$	Butyl ether	142.4	136.5	16	551
4608	$C_8H_{18}O$	Isobutyl ether	122.3	Nonazeotrope		551
4609	$C_8H_{18}S$	Butyl sulfide	185.0	<164.5	<53	566
4610	$C_8H_{18}S$	Isobutyl sulfide	172.	156.0	33	555
4611	C_9H_8	Indene	187.4		Min. b.p.	276
4612	C_9H_{12}	Cumene	152.8	142.5		575
4613	C_9H_{12}	Mesitylene	164.6	148.5	30	551
4614	C_9H_{12}	Propylbenzene	159.3	<147.0	<30	551
4615	$C_9H_{12}O$	Benzyl ethyl ether	185.0	159.8	45	551
4616	$C_9H_{12}O$	Phenyl propyl ether	190.5	162.5	55	551
4617	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	161.0	50	551
4618	$C_9H_{13}N$	*N,N*-Dimethyl-*p*-toluidine	210.2	<169.0	>75	551
4619	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		551
4620	$C_{10}H_{14}$	Butylbenzene	183.1	<158.5	<48	551
4621	$C_{10}H_{14}$	Cymene	176.7	154.7	37	**551**
4622	$C_{10}H_{15}N$	Diethylaniline	217.05	<169.0	>82	551
4623	$C_{10}H_{16}$	Camphene	159.6	144.0	28	551
4624	$C_{10}H_{16}$	α-Pinene	155.8	142.0	25	551
4625	$C_{10}H_{16}$	α-Terpinene	173.4	<154.0	<36	551
4626	$C_{10}H_{16}$	Dipentene	177.7	153.0	37	551

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_2H_7NO**	**2-Aminoethanol** *(continued)*	**171.0**				
4627	$C_{10}H_{18}O$	Cineol	176.35	153.4	36		551
4628	$C_{10}H_{22}O$	Amyl ether	187.5	<160.0	<50		551
4629	$C_{10}H_{22}$	Isoamyl ether	173.2	149.5	30.5		551
4630	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	Nonazeotrope			551
4631	$C_{11}H_{10}O$	2-Methylnaphthalene	241.15	Nonazeotrope			527
4632	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	<165.0	<62		551
4633	$C_{12}H_{10}$	Acenaphthene	277.9	Nonazeotrope			575
4634	$C_{13}H_{12}$	Diphenylmethane	265.4	Nonazeotrope			551
A =	**$C_2H_7PO_3$**	**Dimethylphosphite**					
4635	C_4H_7NO	α-Hydroxyiso-butyronitrile		72.5	46.3		24
A =	**$C_2H_3N_3$**	**Ethylenediamine**	**116.5**				
4636	$C_3H_8O_2$	2-Methoxyethanol	124.5	130.0	31-32		129
4637	$C_4H_8O_2$	*p*-Dioxane	101.3	Nonazeotrope			981
4638	$C_4H_{10}O$	Butyl alcohol	117.7	124.7	35.7		982
4639	$C_4H_{10}O$	Isobutyl alcohol	107.9	120.5	50		982
4640	C_6H_6	Benzene	80.1	Nonazeotrope			981
4641	C_7H_8	Toluene	110.7	104	30.8		215
		"		103	30		981
4642	C_8H_6	Phenylacetylene	142	min. b.pt.			246
4643	C_8H_8	Styrene	144.7	min. b.pt.			246
4644	C_8H_{10}	Ethylbenzene	136.2	min. b.pt.			246
		"	136	Min. b.p.			341
4645	C_8H_{10}	*m*-Xylene	139	Min. b.p.			341
4646	C_8H_{10}	*o*-Xylene	143.6	Min. b.p.			341
4647	C_8H_{10}	*p*-Xylene	138.4	Min. b.p.			341
4648	C_8H_{10}	Xylenes	140	min. b.pt.			246
4649	**C_nH_{2n+2}**	Paraffins		Min. b.p.			341
A =	**C_3F_7I**	**Heptafluoro-1-iodopropane**					
4649a	$C_4H_{10}O$	Ethyl ether	34.6	32–35			637c
A =	**$C_3HF_5O_2$**	**Pentafluoropropionic Acid**					
4650	C_6F_{14}	Perfluorohexane, 25°C.		Nonazeotrope		v-l	695
A =	**$C_3H_2ClF_3O_2$**	**3-Chloro-2,2,3-trifluoropropionic Acid**					
4651	C_3H_7NO	*N,N,*-Dimethylform-amide, 20 mm.		115-120			250
A =	**$C_3H_2F_4O_2$**	**2,2,3,3-Tetrafluoropropionic Acid**					
4652	C_3H_7NO	*N,N,*-Dimethylform-amide, 20 mm.		40	67		250
A =	**$C_3H_2F_6O$**	**1,1,1,3,3,3-Hexafluoro-2-propanol**					
4652a	C_6H_6	Benzene 167.7 mm.		25.0	82.5	v-l	674f
		" 344.5 mm.		40.0	89.2	v-l	674f
		" 656.7 mm.		55.0	95.8	v-l	674f
		" 1100 mm.		Nonazeotrope			674f

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_3H_3ClF_3NO$**	**3-Chloro-2,2,3-trifluoropropionamide**					
4653	C_3H_7NO	*N,N,*-Dimethylformamide, 20 mm.		101-106			250
A =	**$C_3H_3Cl_3O$**	**Methyl Trichloroacetate**	**152.8**				
4654	C_3H_8O	Propyl alcohol	97.2	Nonazeotrope			575
4655	$C_4H_8O_2$	Butyric acid	164.0	Nonazeotrope			575
4656	$C_4H_8O_2$	Isobutyric acid	154.6	151.0			562
4657	$C_5H_{10}O_3$	Ethyl lactate	155	Azeotrope doubtful			563
4658	$C_6H_{12}O$	Cyclohexanol	160.8	<151.0	>72		575
4659	C_7H_8O	Anisole	153.85	149	>60		563
4660	$C_7H_{14}O_2$	Propyl butyrate	143	Azeotrope doubtful			563
A =	**$C_3H_3F_4NO$**	**2,2,3,3-Tetrafluoropropionamide**					
4661	C_3H_7NO	*N,N,*-Dimethylformamide, 20 mm.		91-4	66		250
		"	153	187			250
A =	**C_3H_3N**	**Acrylonitrile**	**77.3**				
4662	C_3H_4O	Acrolein 200 mm.		Nonazeotrope		v-l	904
		400 mm.		"		v-l	904
		600 mm.		"		v-l	904
		760 mm.		"		v-l	904
		" 200–760 mm.		Nonazeotrope		v-l	905f
		"	52.4	Nonazeotrope		v-l	904,905c
4663	C_3H_5N	Propionitrile	97.4	Nonazeotrope			981
4664	C_3H_8O	Isopropyl alcohol	82.55	71.7	56		215
4665	C_3H_9ClSi	Chlorotrimethylsilane	57.5	57	7		841,843
4666	C_4H_5Cl	2-Chloro-1,3-butadiene 150 mm.		15.1	7.4	v-l	420
4666a	$C_4H_6O_2$	Vinyl acetate	72	69.2	35.8	v-l	335c
4666b	C_5H_{12}	Pentane 60°–120°C.				v-l	1049e
4667	C_6H_6	Benzene	80.2	73.3	47		215
A =	**C_3H_4**	**Propadiene**	**— 32**				
4668	C_3H_4	Propyne	— 23.2	Nonazeotrope			981
4669	C_3H_6	Propene	— 47.7	Nonazeotrope			981
		" 0°–20.1°C.		Nonazeotrope		v-l	354c
4670	C_3H_8	Propane	— 42.1	— 42	11.6	vol. %	981
		" 4.9 kg./cm²		0	18.5	v-l	354c
		" 8.7 kg./cm²		20.1	24.2	v-l	354c
4671	C_4H_6	1,3-Butadiene	— 4.5	Nonazeotrope			981
A =	**C_3H_4**	**Propyne**	**— 23.2**				
4672	C_3H_6	Propene	— 47.7	Nonazeotrope			981
4673	C_3H_8	Propane	— 42.1	— 42	11.7	vol. %	981
		" 322.5 p.s.i.g.	62.1	60.1	14.3		1006
4674	C_4H_6	1,3-Butadiene	— 4.5	Nonazeotrope			981

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_3H_4Br_2$**	***cis*-1,2-Dibromopropene**	**135.2**				
4675	C_3H_8O	Propyl alcohol	97.2	97.05	3.45		563
A =	**$C_3H_4Br_2$**	***trans*-1,2-Dibromopropene**	**125.95**				
4676	C_3H_8O	Propyl alcohol	97.2	95.75	41.95		563
A =	**$C_3H_4Cl_2$**	**1,3-Dichloropropene**					
4677	C_3H_5Cl	3-Chloropropene	45.7	Nonazeotrope		v-l	1024
A =	**$C_3H_4Cl_4$**	**1,1,2,2-Tetrachloropropane**	**153**				
4678	$C_6H_{10}O$	Cyclohexanone	156	Max. b.p.			262
4679	C_7H_8O	Anisole	155	Max. b.p.			262
4680	$C_7H_{14}O$	Heptaldehyde	155	Max. b.p.			262
4681	$C_7H_{14}O$	2-Heptanone	150	Max. b.p.			262
A =	**$C_3H_4Cl_4$**	**1,1,2,3-Tetrachloropropane**	**180**				
4682	C_7H_6O	Benzaldehyde	179	Max. b.p.			262
4683	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	165	Max. b.p.			262
A =	**$C_3H_4Cl_4$**	**Tetrachloropropane**					
4684	$C_5H_8Cl_4$	Tetrachloropentane, 12-150 mm.		Nonazeotrope		v-l	718
A =	**C_3H_4O**	**Acrolein**	**52.45**				
4685	C_3H_6	Propene	−48	Nonazeotrope			64
4686	C_3H_6O	Acetone 200 mm.	22.5	Nonazeotrope		v-l	469
4687	C_3H_6O	Propionaldehyde	48.7	Nonazeotrope			575
4688	C_4H_8O	2-Butanone	79.6	Nonazeotrope		v-l	998
4689	C_4H_8O	Isobutyraldehyde	63.5	Nonazeotrope			575
4690	C_5H_{12}	Pentane	36.15	Nonazeotrope			575
4691	C_6H_{14}	Hexane	68.8	Nonazeotrope			575
A =	**C_3H_4O**	**2-Propyn-1-ol**	**115**				
4692	C_6H_6	Benzene	80.1	78	9		264
		"	80.1			v-l	885
A =	**$C_3H_4O_2$**	**Acrylic Acid**	**140.5**				
4693	$C_3H_6O_2$	Propionic acid	140.7	140.3?			563
4694	$C_5H_8O_2$	Ethyl acrylate	99.3	Nonazeotrope			981
4695	C_nH_m	Hydrocarbon	138-140	133	68.2		804
A =	**$C_3H_4O_3$**	**Pyruvic Acid**	**166.8**				
4696	$C_3H_6O_2$	Propionic acid	141.3	Nonazeotrope			552
4697	$C_4H_8O_2$	Butyric acid	164.0	162.4	34		569
4698	$C_5H_{10}O_3$	2-Methoxy ethyl acetate	144.6	Nonazeotrope			552
4699	C_6H_5Br	Bromobenzene	156.1	147.0	34		527
4700	C_6H_5Cl	Chlorobenzene	131.75	128.6	15		552
4701	C_6H_6	Benzene	80.15	Nonazeotrope			552
4702	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope			552
4703	C_7H_7Cl	*o*-Chlorotoluene	159.2	149.5	37		552
4704	C_7H_7Cl	*p*-Chlorotoluene	162.4	151.5	40		552
4705	C_7H_8	Toluene	110.75	110.05	7.5		552
4706	C_7H_8O	Anisole	153.85	148.5	28		552
4707	C_8H_{10}	Ethylbenzene	136.15	130.5	22		552

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_3H_4O_2$**	**Pyruvic Acid** *(continued)*	**166.8**				
4708	C_8H_{10}	*m*-Xylene	139.2	132.85	24		552
4709	C_8H_{10}	*o*-Xylene	144.3	137.0	28		552
4710	$C_8H_{18}O$	Butyl ether	142.4	138.0	15		552
4711	C_9H_{12}	Cumene	152.8	143.0	33		552
4712	C_9H_{12}	Mesitylene	164.6	151.2	40		552
4713	C_9H_{12}	Propylbenzene	159.3	147.6	37		552
A =	**$C_3H_4N_2$**	**Pyrazole**	**187.5**				
4714	$C_4H_8Cl_2O$	Bis(2-chloroethyl) ether	178.65	Nonazeotrope			575
4715	C_6H_6O	Phenol	182.2	Nonazeotrope			575
4716	C_7H_8O	*o*-Cresol	191.1	>194.8	> 26		575
4717	$C_8H_{10}O$	*p*-Methylanisole	177.05	Nonazeotrope			575
4718	$C_8H_{18}S$	Butyl sulfide	185.0	<181.2	> 28		575
4719	$C_9H_{12}O$	Benzyl ethyl ether	185.0	<184.2	> 20		575
4720	$C_{10}H_{22}O$	Isoamyl ether	173.2	Nonazeotrope			575
A =	**C_3H_5Br**	**3-Bromopropene**	**70.5**				
4721	C_3H_6O	Acetone	56.15	56.05	8		552
4722	C_3H_6O	Allyl alcohol	96.85	< 69.2	92		575
4723	$C_3H_6O_2$	Ethyl formate	54.15	Nonazeotrope			547
4724	$C_3H_6O_2$	Methyl acetate	57.0	Nonazeotrope			547
4725	C_3H_7Br	1-Bromopropane	71.0	Nonazeotrope			575
4726	C_3H_8O	Isopropyl alcohol	82.45	66.5	80		573
4727	C_3H_8O	Propyl alcohol	97.2	69.0	90		573
4728	$C_3H_9BO_3$	Methyl borate	68.7	67.5			542
4729	C_4H_8O	2-Butanone	79.6	Nonazeotrope			557
4730	$C_4H_8O_2$	Ethyl acetate	77.15	Nonazeotrope			547
4731	$C_4H_8O_2$	Propyl formate	80.85	Nonazeotrope			575
4732	C_4H_9Cl	1-Chloro-2-methylpropane	68.85	68.75	15		549
4733	$C_4H_9NO_2$	Isobutyl nitrite	67.1	66.9	12		550
4734	$C_4H_{10}O$	Butyl alcohol	117.8	Nonazeotrope			575
4735	$C_4H_{10}O$	*tert*-Butyl alcohol	82.45	< 68.5	< 90		575
4736	$C_4H_{10}O$	Isobutyl alcohol	108.0	Nonazeotrope			575
4737	$C_4H_{10}O_2$	Acetaldehyde dimethyl acetal	64.3	Nonazeotrope			559
4738	$C_4H_{10}O_2$	Ethoxymethoxymethane	65.9	Nonazeotrope			559
4739	C_6H_6	Benzene	80.15	Nonazeotrope			575
4739a	C_6H_{12}	1-Hexene 200 mm.		27.2	—	v-l	498f
		" 400 mm.		43.8	26.0	v-l	498f
		" 600 mm.		55.6	28.1	v-l	498f
		" 760 mm.		62.8	29.0	v-l	498f
4740	C_6H_{14}	Hexane	68.8	66.9	45		562
4740a	C_7H_{14}	1-Heptene 400 mm.		51.7	99.3	v-l	498f
		" 600 mm.		63.5	99.4	v-l	498f
		" 760 mm.		70.3	99.7	v-l	498f
A =	**C_3H_5BrO**	**Epibromohydrin**	**138.5**				
4741	$C_3H_6O_2$	Propionic acid	141.3	<138.0	< 88		575
		"	141.3	Nonazeotrope			556
4742	C_3H_8O	Propyl alcohol	97.2	Nonazeotrope			575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**C_3H_5BrO**	**Epibromohydrin** *(continued)*	**138.5**			
4743	$C_4H_8O_2$	Isobutyric acid	154.6	Nonazeotrope		556
4744	C_4H_9Br	1-Bromobutane	101.5	Nonazeotrope		575
4745	$C_4H_{10}O$	Butyl alcohol	117.8	117.0	20	556
4746	$C_4H_{10}O$	Isobutyl alcohol	108.0	Nonazeotrope		575
4747	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	<137.5		575
4748	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	<136.0	> 75	575
4749	$C_5H_{12}O$	Isoamyl alcohol	131.9	129.5	40	575
4750	$C_6H_{10}O$	Mesityl oxide	129.45	Nonazeotrope		552
4751	$C_6H_{10}S$	Allyl sulfide	139.35	133.3	60	566
4752	$C_7H_{14}O$	4-Heptanone	143.55	Nonazeotrope		575
4753	C_8H_{10}	Ethylbenzene	136.15	133.3	40	575
4754	C_8H_{10}	*m*-Xylene	139.2	134.5	55	575
4755	C_9H_{12}	Cumene	152.8	Nonazeotrope		575
A =	**$C_3H_5BrO_2$**	**α-Bromopropionic Acid**	**205.8**			
4756	$C_6H_4Br_2$	*o*-Dibromobenzene	181.5	179.0	12	575
4757	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.4	<173.5	> 7	575
4758	C_6H_5I	Iodobenzene	188.45	<184.8		575
4759	$C_6H_5NO_2$	Nitrobenzene	210.75	203.3	60	554
4760	C_7H_7Br	α-Bromotoluene	198.5	~ 195		563
4761	$C_7H_8O_2$	Guaiacol	205.05	<204.2	> 45	575
4762	$C_8H_8O_2$	Methyl benzoate	199.4	Nonazeotrope		575
4763	C_9H_{12}	Mesitylene	164.6	Nonazeotrope		
4764	$C_{10}H_8$	Naphthalene	218.0	<202.5	> 73	562
4765	$C_{10}H_{14}$	Cymene	176.7	<176.4	> 4	575
4766	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		575
A =	**$C_3H_5Br_3$**	**1,2,3-Tribromopropane**	**220**			
4767	$C_6H_5NO_2$	Nitrobenzene	210.85	Nonazeotrope		563
5768	C_6H_6O	Phenol	182.2	Nonazeotrope		575
4769	$C_7H_6O_2$	Benzoic acid	250.8	<220.5	> 94	575
4770	$C_7H_7NO_2$	*o*-Nitrotoluene	~222.3	Nonazeotrope		563
4771	C_7H_8O	*p*-Cresol	201.8	Nonazeotrope		563
4772	$C_7H_{14}O_2$	Enanthic acid	222	<218	> 62	575
4773	$C_8H_{14}O_4$	Ethyl succinate	216.5	Azeotrope doubtful		563
4774	$C_9H_{10}O$	Propiophenone	217.7	223	~ 70	573
4775	$C_9H_{10}O_2$	Benzyl acetate	215.0	Nonazeotrope		575
4776	$C_9H_{10}O_2$	Ethyl benzoate	213	Nonazeotrope		563
4777	$C_9H_{10}O_3$	Ethyl salicylate	234.0	Nonazeotrope		548
4778	$C_9H_{18}O_2$	Pelargonic acid	254.0	Nonazeotrope		575
4779	$C_{10}H_8$	Naphthalene	218.05	Nonazeotrope		535
4780	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	Nonazeotrope		547
4781	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		538
4782	$C_{10}H_{15}N$	Diethylaniline	216.5	<215	>15	563
4783	$C_{10}H_{16}O$	Pulegone	~224	226.5	~ 55	573
4784	$C_{10}H_{18}O$	Borneol	211.8	Nonazeotrope		563
4785	$C_{11}H_{20}O$	Terpineol methyl ether	216	Nonazeotrope		563
4786	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	Nonazeotrope		547

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_3H_5Cl**	**2-Chloropropene**	**22.65**				
4787	C_3H_5Cl	3-Chloropropene	45.7	Nonazeotrope,		v-1	1024
4788	$C_3H_7NO_2$	Isopropyl nitrite	40.1	Nonazeotrope			550
4789	C_4H_4O	Furan	31.7	Nonazeotrope			559
4790	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope			559
4791	C_5H_{10}	3-Methyl-1-butene	20.6	<18.5	>45		562
4792	C_5H_{12}	2-Methylbutane	27.95	19.0	64		562
4793	C_5H_{12}	Pentane	36.15	<22.4	>72		575
A =	**C_3H_5Cl**	**3-Chloropropene**	**45.15**				
4794	C_3H_6O	Acetone	56.15	44.6	90		552
4795	$C_3H_6O_2$	Ethyl formate	54.15	45.0	90.0		547
4796	$C_3H_6O_2$	Methyl acetate	56.95	Nonazeotrope			575
4797	C_3H_7Cl	1-Chloropropane	46.6	Nonazeotrope			549
4798	C_3H_7Cl	2-Chloropropane	34.9	Nonazeotrope		v-1	226
4799	$C_3H_7NO_2$	Isopropyl nitrite	40.1	Nonazeotrope			550
4800	$C_3H_7NO_2$	Propyl nitrite	47.75	44.8	80		550
4801	C_3H_8O	Isopropyl alcohol	82.4	45.1	98		575
4802	$C_3H_8O_2$	Methylal	42.3	41.4	20		559
4803	$C_4H_{10}O$	*tert*-Butyl alcohol	82.45	Nonazeotrope			575
4804	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope			559
4805	C_5H_{10}	Cyclopentane	49.3	44.3	63		575
4806	C_5H_{12}	Pentane	36.15	<35.5	>28		575
4807	C_6H_{14}	2,3-Dimethylbutane	58.0	Nonazeotrope			575
A =	**C_3H_5ClO**	**2-Chloro-2-propen-1-ol**					
4808	C_5H_7ClO	2-Chloroallyl vinyl ether			10		1008
A =	**C_3H_5ClO**	**1-Chloro-2-propanone**	**119.7**				
4809	C_3H_8O	Isopropyl alcohol	82.4	Nonazeotrope			552
4810	$C_4H_{10}O$	Butyl alcohol	117.8	112.5	57		552
4811	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	Nonazeotrope			552
4812	$C_4H_{10}O$	Isobutyl alcohol	108.0	106.0	37		552
4813	$C_5H_{10}O$	Cyclopentanol	140.85	Nonazeotrope			552
4814	$C_5H_{10}O_2$	Butyl formate	106.7	Nonazeotrope			548
4815	$C_5H_{10}O_2$	Methyl butyrate	102.65	Nonazeotrope			552
4816	$C_5H_{10}O_2$	Propyl acetate	101.6	Nonazeotrope			552
4817	$C_5H_{12}O$	Amyl alcohol	138.2	Nonazeotrope			552
4818	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	Nonazeotrope			552
4819	$C_5H_{12}O$	Isoamyl alcohol	131.9	<119.0	>83		552
4820	$C_5H_{12}O$	2-Pentanol	119.8	<116.0	<68		552
4821	$C_6H_{10}S$	Allyl sulfide	139.35	Nonazeotrope			566
4822	$C_6H_{12}O_2$	Ethyl butyrate	121.5	117.5	53		552
4823	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	Nonazeotrope			552
4824	$C_6H_{12}O_2$	Isobutyl acetate	117.4	116.9	30		552
4825	$C_6H_{14}S$	Propyl sulfide	141.5	Nonazeotrope			566
4826	$C_6H_{14}S$	Isopropyl sulfide	120.5	<116.0			566
4827	$C_6H_{15}BO_3$	Ethyl borate	118.6	109.4	36		552
4828	C_7H_8	Toluene	110.75	109.2	28.5		552

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_3H_5ClO**	**1-Chloro-2-propanone** *(continued)*	**119.7**				
4829	C_7H_{14}	Methylcyclohexane	101.15	<100.5			552
4830	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	Nonazeotrope			552
4831	$C_7H_{14}O_2$	Isoamyl acetate	142.1	Nonazeotrope			552
4832	$C_7H_{14}O_2$	Isopropyl isobutyrate	120.8	117.2	50		552
4833	$C_7H_{14}O_2$	Propyl butyrate	143.7	Nonazeotrope			552
4834	$C_7H_{14}O_2$	Propyl isobutyrate	134.0	Nonazeotrope			552
4835	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			552
4836	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	<114.0			552
4837	C_8H_{18}	2,5-Dimethylhexane	109.3	<107.5	<35		552
4838	C_8H_{18}	Octane	125.75	<115.5	65		552
A =	**C_3H_5ClO**	**Epichlorohydrin**	**116.45**				
4839	$C_3H_5Cl_3$	1,2,3-Trichloropropane	156.85	Nonazeotrope		v-1	984
4840	$C_3H_6Br_2$	1,2-Dibromopropane	140.5	Nonazeotrope			556
4841	C_3H_6O	Allyl alcohol	96.95	95.8	22		556,875
4842	$C_3H_6O_2$	Propionic acid	141.3	Nonazeotrope			575
4843	C_3H_7I	1-Iodopropane	102.4	<100.5	<28		575
4844	C_3H_8O	Isopropyl alcohol	82.45	Nonazeotrope			556
4845	C_3H_8O	Propyl alcohol	97.2	96.0	23		563,980
4846	C_4H_5N	Pyrrole	130.5	Reacts			563
4847	C_4H_8S	Tetrahydrothiophene	118.8	<112.5	<70		566
4848	C_4H_9Br	1-Bromobutane	101.6	100.0			548
4849	C_4H_9Cl	1-Chlorobutane	78.5	Nonazeotrope			575
4850	C_4H_9I	1-Iodobutane	130.4	<115	<92		548
4851	C_4H_9I	1-Iodo-2-methylpropane	120.8	111.0	~47		548
4852	$C_4H_{10}O$	Butyl alcohol	116.9	112.0	57		556
4853	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	98.0	25		556
4854	$C_4H_{10}O$	*tert*-Butyl alcohol	82.45	Nonazeotrope			556
4855	$C_4H_{10}O$	Isobutyl alcohol	108.0	105.0	39.5		563
4856	C_5H_5N	Pyridine	115.5	Reacts			563
4857	C_5H_8O	Cyclopentanone	130.65	Nonazeotrope			575
4858	$C_5H_{10}O$	3-Pentanone	102.05	Nonazeotrope			552
4859	$C_5H_{10}O_2$	Methyl butyrate	102.65	Nonazeotrope			575
4860	$C_5H_{10}O_2$	Propyl acetate	101.6	Nonazeotrope			575
4861	$C_5H_{10}O_3$	Ethyl carbonate	126.0	Azeotrope doubtful			563
4862	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	Nonazeotrope			575
4863	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	111.2	63		556
4864	$C_5H_{12}O$	Amyl alcohol	138.2	<116.2	< 95		575
4865	$C_5H_{12}O$	*tert*-Amyl alcohol	102.0	100.7	30		556
4866	$C_5H_{12}O$	Isoamyl alcohol	131.8	115.35	81		563
4867	$C_5H_{12}O$	3-Methyl-2-butanol	112.9	109.5	48		556
4868	$C_5H_{12}O$	2-Pentanol	119.8	113.0	60		556
4869	$C_5H_{12}O$	3-Pentanol	116.0	111.5	54		556
4870	C_6H_5Cl	Chlorobenzene	131.75	<116.2			575
		"	131.8	Azeotrope doubtful			563
4871	C_6H_6	Benzene	80.15	Nonazeotrope			575
4872	$C_6H_{10}O$	Mesityl oxide	129.45	Nonazeotrope			552
4873	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope			575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**C_3H_5ClO**	**Epichlorohydrin *(continued)***	**116.45**			
4874	$C_6H_{12}O$	Cyclohexanol	160.65	Nonazeotrope		556
4875	$C_6H_{12}O$	3-Hexanone	123.3	Nonazeotrope		575
4876	$C_6H_{12}O$	4-Methyl-2-pentanone	116.05	<115.5	> 32	575
4877	$C_6H_{12}O$	Pinacolone	106.2	Nonazeotrope		575
4878	$C_6H_{12}O_2$	Butyl acetate	125.0	Nonazeotrope		548
4879	$C_6H_{12}O_2$	Ethyl butyrate	121.5	115.75	75	556
4880	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	109.8	~ 10	575
		"	110.1	Azeotrope doubtful		563
4881	$C_6H_{12}O_2$	Isoamyl formate	123.6	~116.2		563
4882	$C_6H_{12}O_2$	Isobutyl acetate	117.2	<115.3	> 50	548
4883	$C_6H_{12}O_2$	Methyl isovalerate	116.3	115	45	563
4884	$C_6H_{12}O_2$	Propyl propionate	123.0	<116.3	> 88	575
4885	$C_6H_{14}O$	Hexyl alcohol	157.85	Nonazeotrope		556
4886	$C_6H_{14}S$	Isopropyl sulfide	120.5	111.5	67	566
4887	C_7H_8	Toluene	110.75	108.4	29	548
		"	110.6	108.3	26	980
4888	C_7H_{14}	Methylcyclohexane	101.15	<100.8	> 5	575
4889	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	Nonazeotrope		575
4890	C_7H_{16}	Heptane	98.4	< 98.1	> 4	575
4891	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope		548
4892	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	113.6	65	575
4893	C_8H_{18}	2,5-Dimethylhexane	109.3	~107.0	25	548
4894	C_8H_{18}	Octane	125.8	114.5	~ 80	548
			125.8	<116	> 90	563
4895	$C_8H_{18}O$	Isobutyl ether	122.2	Nonazeotrope		548
A =	**$C_3H_5ClO_2$**	**Methyl Chloroacetate**	**129.95**			
4896	$C_3H_6Br_2$	1,2-Dibromopropane	140.5	Nonazeotrope		575
4897	C_3H_6O	Allyl alcohol	96.85	Nonazeotrope		575
4898	$C_3H_6O_2$	Propionic acid	141.3	Nonazeotrope		527
4899	C_3H_8O	Isopropyl alcohol	82.45	Nonazeotrope		573
4900	C_3H_8O	Propyl alcohol	97.2	Nonazeotrope		573
4901	$C_3H_8O_2$	2-Methoxyethanol	124.5	122.5	65	575
4902	$C_4H_6O_3$	Methyl lactate	143.8	Nonazeotrope		575
4903	C_4H_9I	1-Iodobutane	130.4	125.5	42	562
4904	C_4H_9I	1-Iodo-2-methylpropane	120.8	<119.5	< 22	562
4905	$C_4H_{10}O$	Butyl alcohol	117.5	116.3	26	573
4906	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	Nonazeotrope		575
4907	$C_4H_{10}O$	Isobutyl alcohol	107.85	107.55	12	530
4908	$C_4H_{10}O_2$	2-Ethoxyethanol	135.3	128.6	77	526
4909	C_5H_8O	Cyclopentanone	130.65	<129.6		552
4910	$C_5H_{10}O$	Cyclopentanol	140.85	127.5	77	567
4911	$C_5H_{10}O_3$	Ethyl carbonate	125.9	Nonazeotrope		572
4912	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	Nonazeotrope		556
4913	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	Nonazeotrope		527
4914	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	Nonazeotrope		575
4915	$C_5H_{12}O$	Amyl alcohol	138.2	126.8	70	567

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_3H_5ClO_2$**	**Methyl Chloroacetate** *(continued)*	**129.95**				
4916	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	Nonazeotrope			575
4917	$C_5H_{12}O$	Isoamyl alcohol	131.3	124.9	60.5		527
4918	$C_5H_{12}O$	2-Pentanol	119.8	117.0	40		567
4919	$C_5H_{12}O$	3-Pentanol	116.0	114.0	32		567
4920	C_6H_5Cl	Chlorobenzene	132.0	126	~ 60		532
4921	$C_6H_{10}O$	Mesityl oxide	129.45	128.8	42		552
4922	$C_6H_{10}S$	Allyl sulfide	139.35	Nonazeotrope			566
4923	$C_6H_{12}O$	Cyclohexanol	160.8	Nonazeotrope			575
4924	$C_6H_{12}O$	3-Hexanone	123.3	Nonazeotrope			552
4925	$C_6H_{12}O$	4-Methyl-2-pentanone	116.05	Nonazeotrope			552
4926	$C_6H_{12}O_2$	Butyl acetate	125.0	Nonazeotrope			548
4927	$C_6H_{12}O_2$	Ethyl butyrate	121.5	Nonazeotrope			575
4928	$C_6H_{12}O_2$	Isoamyl formate	123.8	Nonazeotrope			532
4929	$C_6H_{12}O_2$	Propyl propionate	122.1	Nonazeotrope			532
4930	$C_6H_{12}O_3$	Paraldehyde	124	Azeotrope doubtful			563
4931	$C_6H_{14}O$	Hexyl alcohol	157.85	Nonazeotrope			575
4932	$C_6H_{14}S$	Propyl sulfide	141.5	Nonazeotrope			575
4933	C_7H_8	Toluene	110.7	Nonazeotrope			563
4934	C_7H_{14}	Methylcyclohexane	101.15	Nonazeotrope			575
4935	$C_7H_{14}O$	4-Heptanone	143.55	Nonazeotrope			552
4936	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	Nonazeotrope			532
4937	$C_7H_{14}O_2$	Isobutyl propionate	136.9	Nonazeotrope			532
4938	$C_7H_{14}O_2$	Propyl isobutyrate	134.0	Nonazeotrope			548
4939	C_8H_8	Styrene	145.8	Nonazeotrope			538
4940	C_8H_{10}	Ethylbenzene	136.15	127.2	62.5		572
4941	C_8H_{10}	*m*-Xylene	139.2	128.25	90		575
		"	139.0	Nonazeotrope			563
4942	C_8H_{10}	*p*-Xylene	138.45	128.3	85		562
4943	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	118.5	15		562
4944	C_8H_{18}	Octane	125.8	123.5	~40		563
4945	$C_8H_{18}O$	Butyl ether	142.4	Nonazeotrope			575
4946	$C_8H_{18}O$	Isobutyl ether	122.3	<121.9	<18		575
4947	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope			575
A =	**$C_3H_5Cl_3$**	**1,1,3-Trichloropropane**	**148**				
4948	$C_7H_{14}O$	2-Heptanone	150	Max. b.p.			262
4949	$C_7H_{14}O_2$	Amyl acetate	148	Max. b.p.			262
A =	**$C_3H_5Cl_3$**	**1,2,2-Trichloropropane**	**122**				
4950	C_5H_5N	Pyridine	115	Nonazeotrope			262
4951	C_5H_8O	Cyclopentanone	129	Nonazeotrope			262
4952	$C_5H_{10}O_3$	Ethyl carbonate	126	Max. b.p.			262
4953	$C_6H_{12}O_2$	Butyl acetate	125	126.4	38	v-1	262
4954	$C_7H_{14}O$	2,4-Dimethyl-3-pentanone	124	Max. b.p.			292
4955	$C_7H_{14}O_2$	Isopropyl butyrate	128	Nonazeotrope			262
A =	**$C_3H_5Cl_3$**	**1,2,3-Trichloropropane**	**158**				
4956	$C_3H_6O_2$	Propionic acid	140.7	~ 140.5	30?		563

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_3H_5Cl_3$**	**1,2,3-Trichloropropane**	**158**			
		(continued)				
4957	$C_3H_7NO_2$	Ethyl carbamate	185.25	155.0	90	564
4958	$C_4H_5Cl_3O$	α,α,β-Trichlorobutyraldehyde	164	Nonazeotrope		563
4959	$C_4H_6O_4$	Methyl oxalate	164.2	154.0	72	538
4960	$C_4H_7ClO_2$	Ethyl chloroacetate	143.5	Nonazeotrope		538
4961	$C_4H_8O_2$	Butyric acid	162.45	153.0	75	541
4962	$C_4H_8O_2$	Isobutyric acid	154.35	149.2	62	542
4963	$C_4H_8O_3$	Methyl lactate	143.8	Nonazeotrope		573
4964	$C_5H_4O_2$	2-Furaldehyde	161.45	Nonazeotrope		572
4965	$C_5H_{10}O_2$	Isovaleric acid	176.5	155.0	93?	575
4966	$C_5H_{10}O_3$	Ethyl lactate	153.9	~153.5	~15	572
4967	$C_5H_{11}NO_3$	Isoamyl nitrate	149.75	<149.5	>12	560
4968	$C_5H_{12}O$	Isoamyl alcohol	131.3	Nonazeotrope		**527**
4969	C_6H_5Br	Bromobenzene	156.1	155.6	30	549
4970	C_6H_6O	Phenol	182.2	Nonazeotrope		530
4971	$C_6H_{10}O$	Cyclohexanone	155.7	160.0	61	552
4972	$C_6H_{10}O_3$	Ethyl acetoacetate	180.4	Nonazeotrope		535
4973	C_6H_{12}	1-Hexene	63.5	Nonazeotrope	v-1	933
4974	$C_6H_{12}O$	Cyclohexanol	160.7	154.9	67	572
4975	C_6H_{14}	Hexane	68.74	Nonazeotrope	v-1	933
4976	$C_6H_{14}O$	Hexyl alcohol	157.85	152.8	60	567
4977	C_7H_7Cl	*o*-Chlorotoluene	159.2	Nonazeotrope		575
4978	C_7H_8O	Anisole	153.85	Nonazeotrope		530
		"	155	Max. b.p.		262
4979	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope		575
4980	$C_7H_{14}O$	Heptaldehyde	155	Max. b.p.		262
4981	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope		**559**
4982	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope		548
4983	$C_8H_{16}O_2$	Isobutyl isobutyrate	147.3	Nonazeotrope		547
4984	$C_8H_{18}O$	Butyl ether	142.4	Nonazeotrope		559
4985	$C_8H_{18}O$	*sec*-Octyl alcohol	179.0	Nonazeotrope		573
4986	$C_8H_{20}SiO_4$	Ethyl silicate	165	Nonazeotrope?		563
4987	C_9H_{12}	Pseudocumene	168.2	Nonazeotrope		575
4988	$C_9H_{18}O_2$	Isoamyl isobutyrate	170.0	Nonazeotrope		547
4989	$C_9H_{18}O_2$	Isobutyl isovalerate	171.35	Nonazeotrope		547
4990	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		575
4991	$C_{10}H_{16}$	Camphene	159.6	~152.9	~65	529
4992	$C_{10}H_{16}$	*d*-Limonene	177.8	Nonazeotrope		535
4993	$C_{10}H_{16}$	α-Pinene	155.8	150.0	~85	572
4994	$C_{10}H_{22}$	2,7-Dimethyloctane	160.25	~155.5	~70	573
A =	**C_3H_5I**	**3-Iodopropene**	**102**			
4995	C_3H_6O	Allyl alcohol	96.95	89.4	72	532
4996	$C_3H_6O_2$	Propionic acid	141.3	Nonazeotrope		575
4997	$C_3H_6O_3$	Methyl carbonate	90.25	< 90.0		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**C_3H_5I**	**3-Iodopropene *(continued)***	**102**			
4998	C_3H_7I	1-Iodopropane	102.4	Nonazeotrope		575
4999	C_3H_8O	Isopropyl alcohol	82.45	~ 79	~ 58	563
5000	C_3H_8O	Propyl alcohol	97.2	90.0	71	563
5001	$C_3H_8O_2$	2-Methoxyethanol	124.5	100.5	~ 95	575
5002	C_4H_7N	Isobutyronitrile	103.85	< 93.2	< 68	562
5003	$C_4H_8O_2$	Dioxane	101.35	98.5	56	527
5004	$C_4H_{10}O$	Butyl alcohol	117.8	98.7	87	567
5005	$C_4H_{10}O$	Isobutyl alcohol	108	96	~ 83	563
5006	$C_5H_{10}O$	2-Pentanone	102.35	100.7	66	552
5007	$C_5H_{10}O$	3-Pentanone	102.05	100.5	65	552
5008	$C_5H_{10}O_2$	Butyl formate	106.7	100.0	> 75	547
5009	$C_5H_{10}O_2$	Ethyl propionate	99.1	98.0	35	547
5010	$C_5H_{10}O_2$	Isobutyl formate	98.3	95.8	38	563
5011	$C_5H_{10}O_2$	Isopropyl acetate	89.5	Nonazeotrope		575
5012	$C_5H_{10}O_2$	Methyl butyrate	102.75	101.0	65	573
5013	$C_5H_{10}O_2$	Methyl isobutyrate	92.5	Nonazeotrope		547
5014	$C_5H_{10}O_2$	Propyl acetate	101.6	99.5	56	538
5015	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.4	Nonazeotrope		549
5016	$C_5H_{11}NO_2$	Isoamyl nitrite	97.15	96.0		550
5017	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	< 97.2	< 75	567
5018	$C_5H_{12}O$	Isoamyl alcohol	131.9	Nonazeotrope		527
5019	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	Nonazeotrope?		563
5020	$C_6H_{14}O_2$	Acetal	103.55	100.0	67	559
5021	C_7H_8	Toluene	110.7	Nonazeotrope		563
5022	C_7H_{14}	Methylcyclohexane	101.8	99	~ 70	563
5023	C_7H_{16}	Heptane	98.45	97.0	48	538
A =	**C_3H_5N**	**Propionitrile**	**97.2**			
5024	C_3H_7I	2-Iodopropane	89.45	81.2	30	562
5025	C_3H_8O	Isopropyl alcohol	82.4	81.5	12	565
5026	C_3H_8O	Propyl alcohol	97.2	90.5	50	565
5027	C_3H_9ClSi	Chlorotrimethylsilane	57.7	Nonazeotrope		841
5028	$C_4H_8O_2$	Ethyl acetate	77.1	Nonazeotrope		565
5029	$C_4H_8O_2$	Methyl propionate	79.85	Nonazeotrope		565
5030	$C_4H_8O_2$	Propyl formate	80.85	Nonazeotrope		565
5031	C_4H_9Br	1-Bromo-2-methylpropane	91.4	85.0	35	562
5032	$C_4H_{10}O$	Butyl alcohol	117.75	Nonazeotrope		565
5033	$C_4H_{10}O$	Isobutyl alcohol	108.0	95.5	76	565
5034	$C_5H_{10}O_2$	Ethyl propionate	99.1	< 94.5	> 40	565
5035	$C_5H_{10}O_2$	Methyl butyrate	102.65	< 96.0	> 54	575
5036	$C_5H_{10}O_2$	Propyl acetate	101.55	95.4	55	565
5037	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	< 94.5	> 57	565
5038	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	Nonazeotrope		565
5039	$C_6H_{12}O_2$	Methyl isovalerate	116.5	Nonazeotrope		565
5040	C_6H_{14}	Hexane	68.8	63.5	9	565
5041	$C_6H_{14}O$	Isopropyl ether	68.3	< 67.5	> 4	575
5042	$C_6H_{14}O$	Propyl ether	90.1	< 83.5	> 18	562
5043	C_7H_8	Toluene	110.75	Min. b.p.		515

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_3H_5N**	**Propionitrile** *(continued)*	**97.2**				
5044	C_7H_{14}	Methylcyclohexane	101.15	< 85.0	> 45		562
5045	C_7H_{16}	Heptane	98.4	< 80.5			565
5046	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			575
A =	**$C_3H_5N_3O_9$**	**Nitroglycerin**					
5047	C_3H_6O	Acetone	56.15	Nonazeotrope		v-l	633
A =	**C_3H_6**	**Propene**	**— 48**				
5048	C_3H_8	Propane, 10°-190°F.		Nonazeotrope		v-l	361
		" 320 p.s.i.a.		Nonazeotrope		v-l	618
		" 0°–20.1°C.		Nonazeotrope		v-l	354c
A =	**$C_3H_6Br_2$**	**1,2-Dibromopropane**	**140.5**				
5049	$C_3H_6O_2$	Propionic acid	141.3	134.5	67		527
5050	C_3H_7NO	Propionamide	222.2	Nonazeotrope			575
5051	C_3H_8O	Propyl alcohol	97.2	Nonazeotrope			575
5052	$C_3H_8O_2$	2-Methoxyethanol	124.5	124.0			526
5053	C_4H_5N	Pyrrole	130	Nonazeotrope			555
5054	$C_4H_7BrO_2$	Ethyl bromoacetate	158.8	Nonazeotrope			575
5055	$C_4H_8O_2$	Butyric acid	164.0	138.5	92		562
5056	$C_4H_8O_2$	Isobutyric acid	154.6	137.0	85		562
5057	$C_4H_{10}O$	Butyl alcohol	117.8	<117.1	39		575
5058	$C_4H_{10}O$	Isobutyl alcohol	108.0	Nonazeotrope			575
5059	$C_4H_{10}O_2$	2-Ethoxyethanol	135.3	132.5	50		555
5060	$C_5H_4O_2$	2-Furaldehyde	161.45	Nonazeotrope			556
5061	$C_5H_{10}O_2$	Isovaleric acid	176.5	Nonazeotrope			575
5062	$C_5H_{10}O_2$	Valeric acid	186.35	Nonazeotrope			575
5063	$C_5H_{11}NO_3$	Isoamyl nitrate	149.5	Nonazeotrope			547
5064	$C_5H_{12}O$	Isoamyl alcohol	131.9	<128.5	> 52		527
5065	C_6H_6O	Phenol	182.2	Nonazeotrope			575
5066	$C_6H_{10}O$	Mesityl oxide	129.45	Nonazeotrope			552
5067	$C_6H_{10}S$	Allyl sulfide	~138.7	Nonazeotrope			563
5068	$C_6H_{12}O$	Cyclohexanol	160.65	Nonazeotrope			563
5069	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope			575
5070	$C_6H_{14}O$	Hexyl alcohol	157.85	Nonazeotrope			575
5071	C_7H_8O	Anisole	153.85	Nonazeotrope			559
5072	$C_7H_{14}O$	4-Heptanone	143.55	Nonazeotrope			552
5073	$C_7H_{14}O$	5-Methyl-2-hexanone	144.2	Nonazeotrope			552
5074	$C_7H_{14}O_2$	Amyl acetate	148.8	Nonazeotrope			575
5075	$C_7H_{14}O_2$	Butyl propionate	146.5	Nonazeotrope			547
5076	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	Nonazeotrope			575
5077	$C_7H_{14}O_2$	Ethyl valerate	145.45	Nonazeotrope			575
5078	$C_7H_{14}O_2$	Isoamyl acetate	142.1	<140.2	>91		575
5079	$C_7H_{14}O_2$	Isobutyl propionate	136.9	Nonazeotrope			547
5080	$C_7H_{14}O_2$	Propyl butyrate	134.7	Nonazeotrope			547
5081	$C_7H_{14}O_2$	Propyl isobutyrate	134.0	Nonazeotrope			547
5082	C_8H_{10}	Ethylbenzene	136.15	135.95	5		563
5083	C_8H_{10}	*m*-Xylene	139.0	138	30		563
5084	C_8H_{10}	*o*-Xylene	142.6	139.2	~70		563

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_3H_6Br_2$**	**1,2-Dibromopropane**	**140.5**			
		(continued)				
5085	C_8H_{10}	*p*-Xylene	138.2	137.5	~22	563
5086	$C_8H_{18}O$	Butyl ether	142.4	146.0	40	559
5087	C_9H_{12}	Cumene	152.8	Nonazeotrope		575
5088	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope		575
A =	**$C_3H_6Br_2$**	**1,3-Dibromopropane**	**166.9**			
5089	$C_3H_6O_2$	Propionic acid	141.3	Nonazeotrope		527
5090	C_3H_7NO	Propionamide	222.2	Nonazeotrope		527
5091	$C_3H_7NO_2$	Ethyl carbamate	185.25	164.05	87.8	527
5092	$C_4H_7BrO_2$	Ethyl bromoacetate	158.8	Nonazeotrope		527
5093	$C_4H_7Cl_3O$	Ethyl 1,1,2-trichloroethyl ether	172.5	Nonazeotrope		575
5094	$C_4H_8Cl_2O$	Bis(2-chloroethyl) ether	178.65	Nonazeotrope		527
5095	$C_4H_8O_2$	Butyric acid	163.5	158.4	70	527
5096	$C_4H_8O_2$	Isobutyric acid	154.6	151.5	40	562
5097	$C_5H_4O_2$	2-Furaldehyde	161.45	159.45	54	527
5098	$C_5H_6O_2$	Furfuryl alcohol	169.35	164.0	74	575
5099	$C_5H_8O_4$	Methyl malonate	181.5	Nonazeotrope		547
5100	$C_5H_{10}O_2$	Isovaleric acid	176.5	163.35	84.5	527
5101	$C_5H_{10}O_2$	Valeric acid	186.35	166.0	92	527
5102	$C_5H_{11}NO_3$	Isoamyl nitrate	149.5	Nonazeotrope		547
5103	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	Nonazeotrope		556
5104	C_6H_6O	Phenol	182.2	Nonazeotrope		575
5105	C_6H_7N	Aniline	184.35	Nonazeotrope		575
5106	$C_6H_{10}O$	Cyclohexanone	155.7	Nonazeotrope		552
5107	$C_6H_{10}O_4$	Ethyl oxalate	185.65	Nonazeotrope		527
5108	$C_6H_{12}O$	Cyclohexanol	160.65	158.5		563
5109	$C_6H_{12}O_2$	Caproic acid	205.15	Nonazeotrope		575
5110	$C_6H_{12}O_2$	Isocaproic acid	199.5	Nonazeotrope		575
5111	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope		556
5112	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	164.55	77	527
5113	C_7H_5N	Benzonitrile	191.1	Nonazeotrope		565
5114	C_7H_6O	Benzaldehyde	179.2	Nonazeotrope		575
5115	C_7H_7Cl	*p*-Chlorotoluene	162.4	Nonazeotrope		575
5116	C_7H_8O	Benzyl alcohol	205.25	Nonazeotrope		575
5117	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope		575
5118	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	Nonazeotrope		575
5119	$C_8H_{10}O$	Benzyl methyl ether	167.8	>170	>45	559
5120	$C_8H_{10}O$	*p*-Methylanisole	177.05	Nonazeotrope		559
5121	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope		559
5122	$C_8H_{16}O$	2-Octanone	172.85	Nonazeotrope		552
5123	$C_8H_{16}O_2$	Hexyl acetate	171.5	Nonazeotrope		547
5124	$C_8H_{16}O_2$	Isoamyl propionate	160.4	Nonazeotrope		547
5125	$C_8H_{18}O$	Octyl alcohol	195.2	Nonazeotrope		575
5126	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	Nonazeotrope		575
5127	C_9H_8	Indene	182.6	Nonazeotrope		575
5128	C_9H_{12}	Mesitylene	164.6	Nonazeotrope		575

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_3H_6Br_2$**	**1,3-Dibromopropane**	**166.9**				
		(continued)					
5129	$C_9H_{18}O_2$	Isobutyl isovalerate	171.35	Nonazeotrope			547
5130	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope			575
5131	$C_{10}H_{16}$	Dipentene	177.7	Nonazeotrope			575
5132	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope			575
A =	**$C_3H_6Br_2O$**	**2,3-Dibromo-1-propanol**	**219.5**				
5133	$C_4H_{10}O_3$	Diethylene glycol	245.5	Nonazeotrope			575
5134	$C_6H_4Cl_2$	*o*-Dichlorobenzene	179.5	Nonazeotrope			575
5135	C_6H_5I	Iodobenzene	188.45	Nonazeotrope			575
5136	$C_6H_{14}O_3$	Dipropylene glycol	229.2	Nonazeotrope			575
5137	C_7H_7Br	*o*-Bromotoluene	181.5	Nonazeotrope			575
5138	C_7H_7I	*p*-Iodotoluene	214.5	<209.0	< 40		575
5139	$C_8H_{10}O_2$	2-Phenoxyethanol	245.2	Nonazeotrope			575
5140	$C_8H_{10}O_2$	Veratrole	206.8	Nonazeotrope			575
5141	$C_8H_{18}O$	Octyl alcohol	195.2	Nonazeotrope			575
5142	$C_8H_{18}O_3$	2-(2-Butoxyethoxy)ethanol	231.2	Nonazeotrope			575
5143	C_9H_8	Indene	182.6	Nonazeotrope			575
5144	$C_9H_{10}O$	*p*-Methylacetophenone	226.35	228.2			575
5145	$C_9H_{10}O$	Propiophenone	217.7	<222.0			575
5146	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope			575
5147	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope			575
5148	$C_{10}H_{16}$	Dipentene	177.7	<176.5	> 12		575
5149	$C_{10}H_{20}O$	Menthol	216.3	<216.2	< 22		575
5150	$C_{11}H_{20}O$	Methyl α-terpineol ether	216.2	Nonazeotrope			575
5151	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	Nonazeotrope			575
5152	$C_{12}H_{22}O$	Bornyl ethyl ether	204.9	Nonazeotrope			575
A =	**$C_3H_6Cl_2$**	**1,1-Dichloropropane**	**90**				
5153	$C_5H_{10}O_2$	Isopropyl acetate	90	Max. b.p.			262
5154	$C_6H_{15}N$	Triethylamine	89	Max. b.p.			262
A =	**$C_3H_6Cl_2$**	**1,2-Dichloropropane**	**97**				
5155	C_3H_6O	Propylene oxide, 20 p.s.i.g.	60	Nonazeotrope			981
5156	C_3H_8O	Isopropyl alcohol	82.4		50	v-l	282
		At 30°C.			75	v-l	282
5157	$C_3H_8O_2$	1,2-Propanediol	187.3	Nonazeotrope			981
5158	$C_4H_8O_2$	Butyric acid	162.4	Nonazeotrope			678
5159	$C_4H_8O_2$	Dioxane	101	Max. b.p.			262
5160	$C_5H_{10}O$	2-Pentanone	102	Max. b.p			262
5161	$C_5H_{10}O_2$	Ethyl propionate	99	Max. b.p.			262
5162	C_6H_{12}	Cyclohexane	80	80.4	16		276
A =	**$C_3H_6Cl_2$**	**1,3-Dichloropropane**	**129.8**				
5163	$C_5H_{10}O_3$	2-Methoxy ethyl acetate	144.6	Nonazeotrope			575
5164	C_6H_6O	Phenol	182.2	Nonazeotrope			575
5165	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope			575
A =	**$C_3H_6Cl_2$**	**2,2-Dichloropropane**	**70.4**				
5166	C_3H_6O	Allyl alcohol	96.85	< 70.0			575
5167	$C_3H_6O_2$	Ethyl formate	54.15	Nonazeotrope			547

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_3H_6Cl_2$**	**2,2-Dichloropropane** *(continued)*	**70.4**			
5168	$C_3H_6O_2$	Methyl acetate	57.0	Nonazeotrope		547
5169	C_3H_8O	Isopropyl alcohol	82.4	66.8	83	567
5170	C_3H_8O	Propyl alcohol	97.2	< 70.1	> 89	575
5171	$C_4H_8O_2$	Ethyl acetate	77.15	Nonazeotrope		547
5172	$C_4H_8O_2$	Methyl propionate	79.85	Nonazeotrope		547
5173	$C_4H_8O_2$	Propyl formate	80.85	Nonazeotrope		547
5174	$C_4H_9NO_2$	Butyl nitrite	78.2	Nonazeotrope		550
5175	$C_4H_9NO_2$	Isobutyl nitrite	67.1	Nonazeotrope		550
5176	$C_4H_{10}O$	Butyl alcohol	117.8	Nonazeotrope		575
5177	$C_4H_{10}O$	Isobutyl alcohol	108.8	Nonazeotrope		575
5178	C_6H_6	Benzene	80.15	Nonazeotrope		575
5179	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope		575
5180	C_6H_{12}	Methylcyclopentane	72.0	< 69.5	< 70	575
5181	C_6H_{14}	Hexane	68.8	< 68.0	> 40	575
5182	$C_6H_{14}O$	Isopropyl ether	68.3	74.0	60	559
A =	**$C_3H_6Cl_2O$**	**1,3-Dichloro-2-propanol**	**175.8**			
5183	$C_3H_7NO_2$	Ethyl carbamate	185.25	Nonazeotrope		575
5186	$C_4H_6O_4$	Methyl oxalate	164.45	Nonazeotrope		575
5185	$C_5H_4O_2$	2-Furaldehyde	161.45	Nonazeotrope		527
5186	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	<147.4	> 4	575
5187	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	Nonazeotrope		526
5188	$C_6H_3Cl_3$	1,3,5-Trichlorobenzene	208.4	Nonazeotrope		575
5189	C_6H_4BrCl	*p*-Bromochlorobenzene	196.4	Nonazeotrope		575
5190	$C_6H_4Cl_2$	*o*-Dichlorobenzene	179.5	170.5	60	567
5191	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.35	168.2	45	530
5192	C_6H_5Br	Bromobenzene	156.1	155.5	~ 9	572
5193	C_6H_5I	Iodobenzene	188.55	173	~ 70	573
5194	C_6H_6O	Phenol	181.5	Nonazeotrope		563
5195	$C_6H_{10}O$	Cyclohexanone	155.7	Nonazeotrope		552
5196	$C_6H_{10}O_4$	Ethyl oxalate	185.65	Nonazeotrope		575
5197	$C_6H_{12}O$	Cyclohexanol	160.7	Nonazeotrope		530
5198	$C_6H_{12}O_3$	Propyl lactate	171.7	~170		563
5199	$C_6H_{13}Br$	1-Bromohexane	156.5	154.5	15	567
5200	$C_6H_{14}O$	Hexyl alcohol	157.85	Nonazeotrope		575
5201	$C_6H_{14}O_2$	2-Butoxyethanol	171.25	Nonazeotrope		526
5202	$C_6H_{14}O_2$	Pinacol	174.35	<173.6	< 45	575
5203	C_7H_6O	Benzaldehyde	179.2	<174	> 85	563
5204	C_7H_7Br	*m*-Bromotoluene	184.3	171.8	36	564
5205	C_7H_7Br	*o*-Bromotoluene	181.45	170.45	61	573
5206	C_7H_7Br	*p*-Bromotoluene	185.0	172.8	~ 68	534
5207	C_7H_7Cl	α-Chlorotoluene	179.3	168.9	57	573
5208	C_7H_7Cl	*o*-Chlorotoluene	159.3	158.0	15	538
5209	C_7H_7Cl	*p*-Chlorotoluene	162.4	160.0	22	538
5210	C_7H_8	Toluene	110.75	Nonazeotrope		575
5211	C_7H_8O	Anisole	153.85	Nonazeotrope		556
5212	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope		575
5213	C_7H_{14}	Methylcyclohexane	101.15	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_3H_6Cl_2O$**	**1,3-Dichloro-2-propanol** *(continued)*	**175.8**			
5214	C_7H_{16}	Heptane	98.4	Nonazeotrope		527
5215	$C_7H_{16}O$	Heptyl alcohol	176.15	174.2	47	575
5216	C_8H_8	Styrene	145.8	~143.5	~15	532
5217	C_8H_8O	Acetophenone	202.0	Nonazeotrope		552
5218	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope		575
5219	C_8H_{10}	*m*-Xylene	139.0	Nonazeotrope		563
5220	C_8H_{10}	*p*-Xylene	138.45	Nonazeotrope		575
5221	$C_8H_{10}O$	Benzyl methyl ether	167.8	<167.0		575
5222	$C_8H_{10}O$	*p*-Methylanisole	177.05	173.1	59	556
5223	$C_8H_{10}O$	Phenetole	170.45	168.8	37	556
5224	$C_8H_{14}O$	Methyl heptenone	173.2	179.0	65?	552
5225	$C_8H_{16}O$	2-Octanone	172.85	179.0	67?	552
5226	$C_8H_{16}O_2$	Isoamyl propionate	160.7	Nonazeotrope		575
5227	$C_8H_{18}O$	Octyl alcohol	195.2	Nonazeotrope		575
5228	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	175.35	85	564
5229	C_9H_8	Indene	183.0	173.5	66.5	541
5230	C_9H_{12}	Cumene	152.8	<152.5		575
5231	C_9H_{12}	Mesitylene	164.6	161.5	32	567
5232	C_9H_{12}	Propylbenzene	159.3	157.5	20	575
5233	C_9H_{12}	Pseudocumene	168.2	164.4	37	541
5234	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	177.5	>85	552
5235	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	Nonazeotrope		575
5236	$C_9H_{18}O_2$	Isoamyl isobutyrate	169.8	Nonazeotrope		575
5237	$C_9H_{18}O_2$	Isobutyl isovalerate	171.35	Nonazeotrope		541
5238	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	Nonazeotrope		575
5239	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		575
5240	$C_{10}H_{14}$	Butylbenzene	183.1	172.0	65	567
5241	$C_{10}H_{14}$	Cymene	~176.7	165.5	55	532
5242	$C_{10}H_{16}$	Camphene	159.5	152.8	~38	572
5243	$C_{10}H_{16}$	*d*-Limonene	177.8	165.75	57	563
5244	$C_{10}H_{16}$	Nopinene	163.8	156.5	43	567
5245	$C_{10}H_{16}$	α-Terpinene	173.4	<165.0	<56	575
5246	$C_{10}H_{16}$	α-Phellandrene	171.5	163	43	563
5247	$C_{10}H_{16}$	α-Pinene	155.8	150.4	36.5	528
5248	$C_{10}H_{16}$	γ-Terpinene	181.5	166.8	62	538
5249	$C_{10}H_{16}$	Terpinolene	185	168	70	563
5250	$C_{10}H_{16}$	Thymene	179.7	166.5	60	532
5251	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		575
5252	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope		575
5253	$C_{10}H_{22}$	2,7-Dimethyloctane	160.2	155	~38	532
5254	$C_{10}H_{22}O$	Isoamyl ether	173.4	165.9	48	541
5255	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	Nonazeotrope		575
5256	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		575
A =	**$C_3H_6Cl_2O$**	**2,3-Dichloro-1-propanol**	**182.5**			
5257	$C_3H_7NO_2$	Ethyl carbamate	185.25	>186.5	>20	575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_3H_6Cl_2O$**	**2,3-Dichloro-1-propanol**	**182.5**			
		(continued)				
5258	$C_4H_6O_4$	Methyl oxalate	164.45	Nonazeotrope		575
5259	$C_5H_{12}O_3$	2-(2-Methoxyethoxy)-ethanol	192.95	Nonazeotrope		575 575
5260	$C_6H_4Cl_2$	*o*-Dichlorobenzene	179.5	174.2	40	567
5261	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.4	170.8	30	575
5262	C_6H_5Br	Bromobenzene	156.1	Nonazeotrope		575
5263	C_6H_5I	Iodobenzene	188.45	177.2	57	567
5264	C_6H_6O	Phenol	181.5	Azeotrope doubtful		563
5265	C_6H_7N	Aniline	184.35	~181		563
5266	$C_6H_{10}O$	Cyclohexanone	155.7	Nonazeotrope		552
5267	$C_6H_{10}O_4$	Ethyl oxalate	185.65	Nonazeotrope		575
5268	$C_6H_{12}O$	Cyclohexanol	160.8	Nonazeotrope		575
5269	$C_6H_{14}O$	Hexyl alcohol	157.85	Nonazeotrope		575
5270	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	Nonazeotrope		575
5271	C_7H_7Br	*m*-Bromotoluene	184.3	175.8	50	567
5272	C_7H_7Br	*o*-Bromotoluene	181.75	171.6	45	563
5273	C_7H_7Br	*p*-Bromotoluene	185	176.2	52	575
5274	C_7H_7Cl	α-Chlorotoluene	179.35	171	40	563
5275	C_7H_7Cl	*o*-Chlorotoluene	159.2	Nonazeotrope		575
5276	C_7H_8	Toluene	110.75	Nonazeotrope		575
5277	C_7H_8O	Benzyl alcohol	205.25	Nonazeotrope		575
5278	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope		542
5279	C_7H_{14}	Methylcyclohexane	101.15	Nonazeotrope		575
5280	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	Nonazeotrope		575
5281	C_7H_{16}	Heptane	98.4	Nonazeotrope		575
5282	C_8H_8O	Acetophenone	202.0	Nonazeotrope		552
5283	C_8H_{10}	*m*-Xylene	139.0	Nonazeotrope		532
5284	C_8H_{10}	*o*-Xylene	144.3	Nonazeotrope		575
5285	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope		575
5286	$C_8H_{10}O$	*p*-Methylanisole	177.05	175.5	32	575
5287	$C_8H_{16}O$	2-Octanone	172.85	184.0		552
5288	$C_8H_{18}O$	Octyl alcohol	195.2	Nonazeotrope		575
5289	$C_8H_{18}O$	*sec*-Octyl alcohol	178.7	~175		563
5290	C_9H_8	Indene	182.4	172.5	~57	532
5291	C_9H_{12}	Mesitylene	164.6	163	18	575
5292	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	180.9?		575
5293	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	Nonazeotrope		575
5294	$C_{10}H_8$	Naphthalene	218.1	Nonazeotrope		563
5295	$C_{10}H_{14}$	Cymene	176.7	172.5	42	567
5296	$C_{10}H_{16}$	Camphene	159.6	156.0	25	532
5297	$C_{10}H_{16}$	*d*-Limonene	177.8	169.3	40	563
5298	$C_{10}H_{16}$	Nopinene	163.8	158.0	37	567
5299	$C_{10}H_{16}$	α-Pinene	155.8	153	20	532
5300	$C_{10}H_{16}$	α-Terpinene	173.4	$<$167.5	$>$40	575
5301	$C_{10}H_{16}$	γ-Terpinene	183	$<$173.5	$<$60	575
5302	$C_{10}H_{16}$	Terpinolene	~185	~174		563

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_3H_6Cl_2O$**	**2,3-Dichloro-1-propanol** *(continued)*	**182.5**				
5303	$C_{10}H_{16}$	Thymene	179.7	170.8	50		532
5304	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope (reacts)			575
5305	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope			575
5306	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope			575
A =	**C_3H_6O**	**Acetone**	**56.15**				
5307	C_3H_6O	Allyl alcohol	96.85	Nonazeotrope			552
5308	C_3H_6O	Propionaldehyde	48.7	Nonazeotrope			552
5309	$C_3H_6O_2$	Ethyl formate	54.15	Nonazeotrope			552
5310	$C_3H_6O_2$	Methyl acetate	57	55	50		552,834
		"		55.8	48.3		497
		"	57.1	55.7	49.2	v-l	682
5311	C_3H_7Br	1-Bromopropane	71.0	56.13	98		552
		"	71.0	Nonazeotrope			389
5312	C_3H_7Br	2-Bromopropane	59.4	54.12	42		552
5313	C_3H_7Cl	1-Chloropropane	46.65	45.8	15		555
5314	C_3H_7Cl	2-Chloropropane	34.9	Nonazeotrope			552
5315	C_3H_7I	2-Iodopropane	89.45	Nonazeotrope			552
5316	$C_3H_7NO_2$	Isopropyl nitrite	40.1	Nonazeotrope			552
5317	$C_3H_7NO_2$	Propyl nitrite	47.75	Nonazeotrope			552
5318	C_3H_8	Propane crit press.		Nonazeotrope		v-l	442
5319	C_3H_8O	Isopropyl alcohol	82.3	Nonazeotrope		v-l	151,152,
		55°C.		Nonazeotrope		v-l	290c
		" 710 mm.		Nonazeotrope		v-l	36k
		"	82.3	Nonazeotrope		v-l	552,290c
5320	C_3H_8O	*n*-Propyl alcohol	97.2	Nonazeotrope			552
5321	$C_3H_8O_2$	Methylal	42.3	Nonazeotrope			552
5322	C_3H_8S	Propanethiol	67.5	54.5	~67		563
5323	$C_3H_9BO_3$	Methyl borate	68.7	55.45	82.5		552
5324	C_3H_9N	Propylamine	49.7	< 48.0	>20		551
5325	$C_4H_4O_2$	Diketene		Nonazeotrope			981
5326	C_4H_4S	Thiophene	84.7	Nonazeotrope			552
5327	$C_4H_6O_2$	Vinyl acetate	72.7	Nonazeotrope			981
		"	72	Nonazeotrope		v-l	862
5328	$C_4H_6O_3$	Acetic anhydride	139.6	Nonazeotrope		v-l	428
5329	C_4H_7Cl	1-Chloro-2-methyl-propene	68	55.6	81		703
5330	C_4H_8O	2-Butanone, 15-500 p.s.i.a.		Nonazeotrope		v-l	726
		"	79.6	Nonazeotrope			813
		"	79.5	Nonazeotrope		v-l	31f,190b
5331	C_4H_8O	Butyraldehyde	75.2	Nonazeotrope			552
5332	C_4H_8O	Isobutyraldehyde	63.5	Nonazeotrope			552
5333	$C_4H_8O_2$	Dioxane	101.4	Nonazeotrope			201
5334	$C_4H_8O_2$	Ethyl acetate	77.1	Nonazeotrope			834
		"	77.1	Nonazeotrope		v-l	931

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_3H_6O**	**Acetone** *(continued)*	**56.15**				
5335	$C_4H_8O_2$	Isopropyl formate	68.8	Nonazeotrope			552
5336	C_4H_9Br	2-Bromo-2-methylpropane	73.25	Nonazeotrope			552
5337	C_4H_9Cl	1-Chlorobutane	78.5	Nonazeotrope			552
5338	C_4H_9Cl	2-Chlorobutane	68.25	55.75	80		552
5339	C_4H_9Cl	1-Chloro-2-methylpropane	68.85	55.75	75		552
5340	C_4H_9Cl	2-Chloro-2-methylpropane	50.8	49.2	25		552
5341	$C_4H_9NO_2$	Butyl nitrite	78.2	Nonazeotrope			552
5342	$C_4H_9NO_2$	Isobutyl nitrite	67.1	Nonazeotrope			552
5343	C_4H_{10}	Butane crit. press		Nonazeotrope		v-l	442
5344	$C_4H_{10}O$	Butyl alcohol	117.7	Nonazeotrope		v-l	96
		At 25°C.		Nonazeotrope		v-l	282
5345	$C_4H_{10}O$	*tert*-Butyl alcohol	82.45	Nonazeotrope			552
5346	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope			371,563,834
5347	$C_4H_{10}O$	Isobutyl alcohol	108.0	Nonazeotrope			552
5348	$C_4H_{10}O$	Methyl propyl ether	38.9	Nonazeotrope			563
5349	$C_4H_{10}S$	Ethyl sulfide	92.1	Nonazeotrope			566
5350	$C_4H_{11}N$	Butylamine	77.8	Nonazeotrope			551
5351	$C_4H_{11}N$	Diethylamine	55.5	51.39	38.21		551,633
5352	$C_4H_{11}N$	Isobutylamine	68.0	< 56.0	<96		551
5353	C_5H_5N	Pyridine	115	Nonazeotrope		v-l	428
5354	C_5H_6	Cyclopentadiene	41.0	Min. b.p.			258
5355	C_5H_8	Isoprene	34.3	30.5	20		258,552
		"	34.1	33.8	5.3	v-l	716
5356	C_5H_8	3-Methyl-1,2-butadiene	40.8	35.3	27		552
5357	C_5H_8	Piperylene	42.5	Min. b.p.			258
		"	42.3	41.4	18.1	v-l	716
5358	$C_5H_8O_2$	Isopropenyl acetate	96.5	Nonazeotrope			413
5359	C_5H_{10}	Cyclopentane	49.3	41.0	36		552
5360	C_5H_{10}	2-Methyl-1-butene	31.05	Min. b.p.			258
		"	31.1	30.1	11.9	v-l	716
5361	C_5H_{10}	2-Methyl-2-butene	38.5	35.6	21.1	v-l	716
		"	37.1	32.5	22		258,552
5362	C_5H_{10}	3-Methyl-1-butene	20.6	19.7	7		258,552
5363	C_5H_{10}	1-Pentene	30.1	Min. b.p.			258
		"	29.97	28.9	19 vol. %		826
5364	C_5H_{10}	2-Pentene	36.4	Min. b.p.			258
5365	$C_5H_{10}O_2$	Isopropyl acetate	88.7	Nonazeotrope			981
5366	$C_5H_{10}O_2$	Propyl acetate	101.6	Nonazeotrope		v-l	931
5367	C_5H_{12}	2-Methylbutane	27.9	25.6	14.4	v-l	716
		"	27.95	25.7	12		552
5368	C_5H_{12}	Pentane	36.15	31.9	21		552
		"	36.15	32.5	20		366
		" <100 mm.		Nonazeotrope			366
		" —35°–25°C.				v-l	779
		" crit. pres.		194.5	17	v-l	442
		"	36.1	31.86	21.9	v-l	590
		" crit. press.		194.5	17	v-l	442,148c

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_3H_6O**	**Acetone** *(continued)*	**56.15**				
5369	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	Nonazeotrope			552
5370	$C_5H_{12}O$	Ethyl propyl ether	63.6	< 56.1	<95		552
5371	$C_5H_{12}O_2$	Diethoxymethane	87.95	Nonazeotrope			552
							552
5372	C_6H_5Cl	Chlorobenzene	131.6	Nonazeotrope		v-l	722
5373	C_6H_5F	Fluorobenzene	84.9	Nonazeotrope			552
5374	C_6H_6	Benzene	80.1	Nonazeotrope		v-l	261,722, 802,903
		" 45°C.		Nonazeotrope		v-l	92
		"	80.1	Nonazeotrope		v-l	126
		" 2 atm. to crit. press.		Nonazeotrope		v-l	122c
5375	C_6H_6O	Phenol	181.5	Nonazeotrope		v-l	668c,563
5376	C_6H_8	1,3-Cyclohexadiene	80.4	< 55	<85		552
5377	C_6H_{10}	Biallyl	60.1	47.1	45		552
5378	C_6H_{12}	Cyclohexane	80.75	53.0	67		273,552
		"	80.75	53.0	67.5	v-l	503
		"	80.75		67		735
		"			68	v-l	621
		"		55	69	v-l	621
		"		45	69.3	v-l	621
		"		35	66.7	v-l	621
5379	C_6H_{12}	1-Hexene	63.6	50.1	51.4	v-l	716
		" 35°C.			52	v-l	496g
5380	C_6H_{12}	Methylcyclopentane	72.0	50.3	57		516,552
		"	72.0		57		735
5381	C_6H_{12}	1,1,2-Trimethyl-cyclopropane	52.6	42.3	32 vol. %		826
5382	$C_6H_{12}O$	4-Methyl-2-pentanone	115.9	Nonazeotrope		v-l	438
5383	$C_6H_{12}O_2$	Butyl acetate	126.2	Nonazeotrope		v-l	186
5384	C_6H_{14}	2,3-Dimethylbutane	58.0	46.3	42		552
		"	58.0		46.5		735
		"	58	44.7	37.4	v-l	638c
		"		45.5	~40	v-l	1026c
5385	C_6H_{14}	Hexane	68.95	49.8	59		735,981
		"	68.7	49.6	53		716
		" crit. press.		220	47	v-l	442
		" —35°–25°C.				v-l	779
		" 900 mm.		55	55.2	v-l	498
		"	68.7	49.7	54.5	v-l	498
		" 648 mm.		45.0	54.4	v-l	498
		" 447 mm.		35.0	53.9	v-l	498
							498
		"		51.8	63.4		497
		"	68.8	49.7	53.5		552
5385a	$C_6H_{14}O$	Hexyl alcohol		Nonazeotrope		v-l	779e
5386	$C_6H_{14}O$	Isopropyl ether	69.0	54.2	61		261

No.	Formula	B-Component Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_3H_6O**	**Acetone** *(continued)*	**56.15**				
5387	$C_6H_{14}O$	Propyl ether	90.1	Nonazeotrope			552
5388	$C_6H_{14}O_2$	Acetal	104.5	Nonazeotrope			563
5389	$C_6H_{15}N$	Triethylamine	89.35	Nonazeotrope			551
5390	$C_7H_6O_2$	Benzoic acid	249.5	Nonazeotrope			575
5391	C_7H_8	Toluene	110.75	Nonazeotrope			552
5392	C_7H_{14}	Methylcyclohexane	101.15	Nonazeotrope			552
5393	C_7H_{16}	Heptane	98.4	55.85	89.5		552
		"	98.45	Nonazeotrope			359
		"	98.4		89.5		735
		"	98.4	b.p. curve			716
		" crit. press.		232	80	v-l	442
5394	C_8H_{18}	2,5-Dimethylhexane	109.4	Nonazeotrope			552
5395	C_8H_{18}	Octane crit. press.		Nonazeotrope			442
5396	$C_{10}H_{22}$	Decane crit. pres.		Nonazeotrope			442
5397	$C_{13}H_{28}$	Tridecane crit. press.		Nonazeotrope			442
A =	**C_3H_6O**	**Allyl Alcohol**	**96.95**				
5397a	C_3H_6O	Propylene oxide	35	Nonazeotrope		v-l	190b
5398	$C_3H_6O_3$	Methyl carbonate	90.5	86.4	23		527
5399	C_3H_7Br	1-Bromopropane	71.0	69.5	9		532
5400	C_3H_7Br	2-Bromopropane	59.4	Nonazeotrope			527
5401	C_3H_8O	Isopropyl alcohol	82.3	Nonazeotrope		v-l	468
5402	C_3H_8O	Propyl alcohol	97.2	96.73	74		569
5403	$C_4H_7ClO_2$	Ethyl chloroacetate	143.55	Nonazeotrope			575
5404	C_4H_8O	2-Butanone	79.6	Nonazeotrope			552
5405	C_4H_8OS	Ethyl thioacetate	116.5	< 96.5			575
5406	$C_4H_8O_2$	Dioxane	101.35	Nonazeotrope			527
5407	$C_4H_8O_2$	Ethyl acetate	77.05	Nonazeotrope			563
5408	$C_4H_8O_2$	Methyl propionate	79.7	Nonazeotrope			527
5409	$C_4H_8O_2$	Propyl formate	80.8	80.5			536
5410	C_4H_9Br	1-Bromobutane	101.5	89.5	30		527
5411	C_4H_9Br	1-Bromo-2-methylpropane	91.6	83.9	18		875
5412	C_4H_9Cl	1-Chlorobutane	78.5	74.5	15		567
5413	C_4H_9Cl	1-Chloro-2-methylpropane	68.85	67	~ 7		875
5414	C_4H_9I	1-Iodobutane	130.4	< 96.4	< 74		575
5414a	C_4H_9I	1-Iodo-2-methylpropane	120.8	93.8			571c
5415	$C_4H_{10}O$	*sec*-Butyl alcohol	99.6	Nonazeotrope			563
		"	99.5	Nonazeotrope		v-l	998
		" 100 mm.		Nonazeotrope		v-l	998
5416	$C_4H_{10}S$	Ethyl sulfide	92.1	85.1	45		527
5417	C_5H_5N	Pyridine	115.4	Nonazeotrope			553
5418	C_5H_8O	Allyl vinyl ether			10		1008
		"	67.4	66.6	5		981
5419	$C_5H_8O_2$	Allyl acetate		95.1	63		3
		"	104	Min. b.p			4
5420	$C_5H_{10}O$	3-Methyl-2-butanone	95.4	93.5	36		552
5421	$C_5H_{10}O$	2-Pentanone	102.35	96.0	70		552
5422	$C_5H_{10}O$	3-Pentanone	102.05	95.95	72		552

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**C_3H_6O**	**Allyl Alcohol** *(continued)*	**96.95**			
5423	$C_5H_{10}O_2$	Ethyl propionate	99.1	~ 93.2	~ 54	875
5424	$C_5H_{10}O_2$	Isobutyl formate	98.3	93	~ 52	875
5425	$C_5H_{10}O_2$	Methyl butyrate	102.75	< 94.7	< 51	527
5426	$C_5H_{10}O_2$	Methyl isobutyrate	92.5	89.8	28	527
5427	$C_5H_{10}O_2$	Propyl acetate	101.6	94.6	52	527
5427a	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	94.4		571c
5428	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.4	88.3	29	527
5429	$C_5H_{12}O_2$	Diethoxymethane	87.95	< 87.0	>11	527
5430	C_6H_5Cl	Chlorobenzene	131.8	96.5	82.5	527
5431	C_6H_6	Benzene	80.2	76.75	17.36	834,875,1005
5432	C_6H_8	1,3-Cyclohexadiene	80.8	75.9	~21	875
5433	C_6H_{10}	Cyclohexene	82.75	76.3	~21.7	875
5434	$C_6H_{10}O$	Allyl ether	94.84	89.8	30.0	875
5435	C_6H_{12}	Cyclohexane	80.75	74	~20	875
		"	80.8	74.0	58	413
5436	C_6H_{12}	Methylcyclopentane	72.0	67.8	<10	567
5437	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	~96.2		536
5438	$C_6H_{12}O_2$	Isobutyl acetate	117.4	Nonazeotrope		527
5439	C_6H_{14}	2,3-Dimethylbutane	58.0	< 56.7		575
5440	C_6H_{14}	Hexane	68.95	65.5	4.5	875
		"	68.8		12.5	480
5441	$C_6H_{14}O$	Isopropyl ether	68.3	Nonazeotrope		981
5442	$C_6H_{14}O$	Propyl ether	90.1	85.7	30	527
5443	C_7H_8	Toluene	110.6	91-92	50	834,875
5444	C_7H_{14}	Methylcyclohexane	101.1	85.0	42	537
5445	C_7H_{16}	Heptane	98.45	84.5	~37	537
5446	C_8H_{10}	*m*-Xylene	139.0	Nonazeotrope		537
5447	C_8H_{18}	2,5-Dimethylhexane	109.4	89.3	50	567
5448	C_8H_{18}	Octane	125.75	93.4	68	567
5449	C_9H_{12}	Cumene	152.8	Nonazeotrope		575
5450	$C_{10}H_{16}$	Camphene	159.6	Nonazeotrope		575
5451	$C_{10}H_{16}$	*d*-Limonene	177.8	Nonazeotrope		537
5452	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope		537
A =	**C_3H_6O**	**Propionaldehyde**	**48.7**			
5453	C_3H_6O	Propylene oxide, 30 p.s.i.g.	69	Nonazeotrope		981
5454	$C_3H_6O_2$	Methyl acetate	56.95	Nonazeotrope		575
5455	C_3H_7Cl	1-Chloropropane	46.65	< 46.4		575
5456	$C_3H_7NO_2$	Isopropyl nitrite	40.0	Nonazeotrope		548
5457	$C_3H_7NO_2$	Propyl nitrite	57.75	< 47.3	>18	548
5458	C_4H_8O	Cyclopropyl methyl ether	44.73	43		878
5459	C_5H_6O	2-Methylfuran	63.7	Nonazeotrope		769
A =	**C_3H_6O**	**Propylene Oxide**	**35**			
5460	$C_4H_{10}O$	Ethyl ether	34.5	32.6	49.6	707
5461	C_5H_8	Cyclopentene	43.6	Min. b.p.		1014
5462	C_5H_8	Isoprene	34.5	31.6	60	1014

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_3H_6O_2$**	**Propylene Oxide** *(continued)*	**35**			
5463	C_5H_{10}	Cyclopentane	49.4	Min. b.p.		1014
5464	C_5H_{10}	2-Methyl-1-butene	32	27	47	1014
5465	C_5H_{10}	Pentenes		Min. b.p.		1014
5466	C_5H_{10}	2-Pentene	35.8	30	54	1014
5467	C_5H_{12}	2-Methylbutane	27.95	Nonazeotrope		558
5468	C_5H_{12}	Pentanes		Min. b.p. azeotrope		1014
5469	C_5H_{12}	Pentane	36	27.5	57	1014
5470	C_6H_{12}	Cyclohexane	80.75	Min. b.p.		1014
5471	C_6H_{12}	Hexenes		Min. b.p.		1014
5472	C_6H_{14}	Hexanes		Min. b.p., azeotrope		1014
A =	**C_3H_6OS**	**Methyl Thioacetate**	**95.5**			
5473	C_3H_8O	Isopropyl alcohol	82.4	< 81.5		575
5474	C_3H_8O	Propyl alcohol	97.2	< 91.5		575
5475	C_2H_5ClO	Chloroethyl ethyl ether	98.5	< 95.2	>85	575
5476	$C_4H_{10}S$	Ethyl sulfide	92.1	< 91.0	>28	575
5477	$C_4H_{10}S$	2-Methyl-1-propanethiol	87.8	< 87.2	<12	575
A =	**$C_3H_6O_2$**	**1,3-Dioxolane**	**75.6**			
5478	C_6H_6	Benzene	80.2	74	85	515
5479	C_7H_8	Toluene	110.6	Nonazeotrope		981
5480	C_7H_{16}	Heptane	98.4	72.3	81	981
5481	$C_8H_{18}O$	Butyl ether	142.1	Nonazeotrope		981
5482	C_9H_{20}	Nonane	150.8	Nonazeotrope		981
A =	**$C_3H_6O_2$**	**Ethyl Formate**	**54.1**			
5483	$C_3H_6O_2$	Methyl acetate	56.25	Nonazeotrope		532
5484	C_3H_7Br	1-Bromopropane	71.0	Nonazeotrope		538
5485	C_3H_7Br	2-Bromopropane	59.35	53	69	527
		"	59.35	53.0	59.4	579,720
5486	C_3H_7Cl	1-Chloropropane	46.65	46.25	15	555
5487	C_3H_7Cl	2-Chloropropane	34.15	Nonazeotrope		547
5488	$C_3H_7NO_2$	Isopropyl nitrite	40.1	Nonazeotrope		549
5489	$C_3H_7NO_2$	Propyl nitrite	47.75	47.4	12	527
5490	C_3H_8O	Isopropyl alcohol	82.35	Nonazeotrope		536
5491	$C_3H_8O_2$	Methylal	42.25	Nonazeotrope		557
5492	C_3H_8S	1-Propanethiol	67.5	~52		561
5493	C_4H_8O	Isobutyraldehyde	63.5	Nonazeotrope		575
5494	C_4H_9Cl	1-Chloro-2-methylpropane	68.9	Nonazeotrope		563
5495	C_4H_9Cl	2-Chloro-2-methylpropane	51.6	48.5	35	547
5496	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope		557
5497	$C_4H_{10}O_2$	Acetaldehyde dimethyl acetal	64.3	Nonazeotrope		557
5498	C_5H_8	Isoprene	34.2	< 32.5	<24	562
5499	C_5H_{10}	Cyclopentane	49.4	< 42.0	<45.0	562
5500	C_5H_{10}	2-Methyl-2-butene	37.15	Nonazeotrope		563
5501	C_5H_{12}	2-Methylbutane	27.95	26.5	18	531
5502	C_5H_{12}	Pentane	36.2	32.5	30	546
5503	$C_5H_{12}O$	Ethyl propyl ether	63.6	Nonazeotrope		557
5504	C_6H_6	Benzene	80.2	Nonazeotrope		563
5505	C_6H_{10}	Biallyl	60.2	~45.2	~58	573

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_3H_6O_2$**	**Ethyl Formate** *(continued)*	**54.1**				
5506	C_6H_{12}	Methylcyclopentane	72.0	51.2	75		562
5507	C_6H_{14}	2,3-Dimethylbutane	58.0	45.0	52		562
5508	C_6H_{14}	*n*-Hexane	68.95	49.0	~67		573
5509	$C_9H_{10}O_2$	Ethyl benzoate	213	Vapor pressure curve			563
5510	C_9H_{12}	Pseudocumene	169	Vapor pressure data			563
A =	**$C_3H_6O_2$**	**Glycidol**					
5510a	C_9H_{12}	Cumene 14 mm.		38			54c
		" 50 mm.		63	21		54c
A =	**$C_3H_6O_2$**	**Methyl Acetate**	**56.95**				
5511	C_3H_7Br	1-Bromopropane	71.0	Nonazeotrope			538
5512	C_3H_7Br	2-Bromopropane	59.35	56	68		527
		"	59.35	55.6	14.5		579
5513	C_3H_7Cl	1-Chloropropane	46.65	Nonazeotrope			555
5514	$C_3H_7NO_2$	Isopropyl nitrite	40.1	Nonazeotrope			550
5515	$C_3H_7NO_2$	Propyl nitrite	47.75	Nonazeotrope			549
5516	C_3H_8O	Isopropyl alcohol	82.35	Nonazeotrope		v-l	536,680
5517	$C_3H_8O_2$	Methylal	42.25	Nonazeotrope			557
5518	$C_3H_9BO_3$	Methyl borate	68.7	Nonazeotrope			575
5519	C_4H_8O	2-Butanone	79.6	Nonazeotrope			527
		"	79.5	Nonazeotrope		v-l	31f
5520	C_4H_8O	Butyraldehyde	75.5	Nonazeotrope			548
5521	C_4H_8O	Isobutyraldehyde	63.5	Nonazeotrope			575
5521a	$C_4H_8O_2$	Ethyl acetate	77	Nonazeotrope		v-l	507k
5522	$C_4H_8O_2$	Isopropyl formate	68.8	Nonazeotrope			575
5523	C_4H_9Cl	2-Chlorobutane	68.25	Nonazeotrope			575
5524	C_4H_9Cl	1-Chloro-2-methylpropane	68.9	Nonazeotrope			563
5525	C_4H_9Cl	2-Chloro-2-methylpropane	51.6	Nonazeotrope			538
5526	$C_4H_9NO_2$	Isobutyl nitrite	67.1	Nonazeotrope			550
5527	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope			557
5528	$C_4H_{10}O_2$	Ethoxymethoxymethane	65.9	Nonazeotrope			557
5529	$C_4H_{10}O_2$	Acetaldehyde dimethyl acetal	64.3	Nonazeotrope			557
5530	$C_4H_{11}N$	Diethylamine	56	~53			563
5531	C_5H_6O	2-Methylfuran	63.7	Nonazeotrope			557,769
5532	C_5H_8	Cyclopentene	44.4	41.7	27.7		354
5533	C_5H_{10}	Cyclopentane	49.3	43.2	37.9		354
5534	C_5H_{10}	2-Methyl-2-butene	37.2	< 36.9	<12		575
5535	C_5H_{10}	1-Pentene	30.1	30.0	3.3		354
5536	C_5H_{12}	Pentane	36.08	34.05	22		354
		"	36.15	Nonazeotrope			537
5537	C_6H_6	Benzene	80.2	Nonazeotrope		v-l	563,681,406a
		"	80.1	56.7	99.7		354
5538	C_6H_8	1,3-Cyclohexadiene	80.25	56.7	98.0		354
5539	C_6H_{10}	Biallyl	60.0	51	60		537
5540	C_6H_{10}	Cyclohexene	83	Nonazeotrope			546
		"	83.1	56.5	90.2		354

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_3H_6O_2$**	**Methyl Acetate** *(continued)*	**56.95**				
5541	C_6H_{12}	Cyclohexane	80.6	54.9	83.0		354
		"	80.8	Nonazeotrope			546
		"	80.7	55.5	78	v-l	681
5542	C_6H_{12}	2,3-Dimethyl-1-butene	55.62	48.95	42.8		354
5543	C_6H_{12}	2,3-Dimethyl-2-butene	73.38	55.1	71.8		354
5544	C_6H_{12}	3,3-Dimethyl-1-butene	41.4	39.9	8.8		354
5545	C_6H_{12}	2-Ethyl-1-butene	64.8	52.8	60.1		354
5546	C_6H_{12}	1-Hexene	63.58	52.5	63.6		354
5547	C_6H_{12}	*cis*-2-Hexene	68.55	53.7	69.8		354
5548	C_6H_{12}	3-Methyl-2-pentene	70.64	54.45	73.7		354
5549	C_6H_{12}	4-Methyl-1-pentene	54.0	48.3	36.7		354
5550	C_6H_{12}	*trans*-4-Methyl-2-pentene	58.45	50.0	51.3		354
5551	C_6H_{12}	Methylcyclopentane	71.8	53.0	68.0		354
5552	C_6H_{14}	2,2-Dimethylbutane	49.65	43.7	38.2		354
5553	C_6H_{14}	2,3-Dimethylbutane	58.05	48.0	48.25		354
		"	58.0	51.2	50		575
5554	C_6H_{14}	*n*-Hexane	68.95	< 56.65	<90		575
		"		51.8	63.4		497
		"	68.85	51.75	60.7		354
5555	C_6H_{14}	2-Methylpentane	60.2	49.25	51.6		354
5556	C_6H_{14}	3-Methylpentane	63.25	50.05	57.4		354
5557	C_7H_{16}	2,4-Dimethylpentane	80.7	54.7	72.4		354
5558	C_7H_{16}	Heptane	98.45	56.65	96.45		354
5559	C_7H_{16}	2-Methylhexane	90.0	56.0	88.6		354
5560	C_7H_{16}	3-Methylhexane	91.85	56.3	84.9		354
5561	C_7H_{16}	2,2,3-Trimethylbutane	80.9	55.1	74.2		354
A =	**$C_3H_6O_2$**	**Propionic Acid**	**140.9**				
5562	C_3H_7I	1-Iodopropane	102.4	Nonazeotrope			542
5563	$C_4H_6Cl_2O_2$	Ethyl dichloroacetate	158.1	Nonazeotrope			575
5564	$C_4H_6O_3$	Acetic anhydride	138	Nonazeotrope		v-l	718
5565	$C_4H_6O_3$	Methyl pyruvate	137.5	<137.2	>75		552
5566	$C_5H_7BrO_2$	Ethyl bromoacetate	158.8	Nonazeotrope			527
5567	$C_4H_7ClO_2$	Ethyl chloroacetate	143.55	<140.35	<61		527
5568	C_4H_8O	2-Butanone	79.6	Nonazeotrope		v-l	722
5569	$C_4H_8O_2$	Butyric acid	163.5	Nonazeotrope		v-l	26
5570	$C_4H_8O_2$	Dioxane	101.35	Nonazeotrope			527
5571	C_4H_9Br	1-Bromobutane	101.5	Nonazeotrope			527
5572	C_4H_9I	1-Iodobutane	130.4	126.8	15		527
5573	C_4H_9I	1-Iodo-2-methylpropane	120.4	119.3	7		527
5574	$C_4H_9NO_3$	Isobutyl nitrate	123.5	122.0	9		559
5575	$C_4H_{10}S$	Ethyl sulfide	92.1	Nonazeotrope			566
5576	$C_5H_4O_2$	2-Furaldehyde	161.5	Nonazeotrope			563
5577	C_5H_5N	Pyridine	115.5	148-150	74		419
		"	115.5	148.6	67.2		1068
5578	C_5H_8O	Cyclopentanone	130.65	Nonazeotrope			552

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_3H_6O_2$**	**Propionic Acid *(continued)***	**140.9**			
5579	$C_5H_8O_2$	2,4-Pentanedione	138	144	~70	563
5580	$C_5H_8O_3$	Ethyl pyruvate	155.5	Nonazeotrope		552
5581	$C_5H_9ClO_2$	Propyl chloroacetate	163.5	Nonazeotrope		575
5582	$C_5H_{10}O_3$	Ethyl carbonate	126.5	Nonazeotrope		575
5583	$C_5H_{10}O_3$	2-Methoxy ethyl acetate	144.6	146.85	36	568
5584	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	119.45	7.5	527
5585	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.4	Nonazeotrope		527
5586	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	136.5	42	527
5587	$C_5H_{11}NO$	*N,N*-Dimethylpropion-amide	175.5	179.3	23.6	832
5588	$C_5H_{11}NO_3$	Isoamyl nitrate	~149.6	138.8	59	527
5589	$C_6H_4Cl_2$	*o*-Dichlorobenzene	179.5	Nonazeotrope		527
5590	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.6	Nonazeotrope		527
5591	C_6H_5Br	Bromobenzene	156.1	140.15		571
5592	C_6H_5Cl	Chlorobenzene	132.0	128.9	18	542
5593	C_6H_6	Benzene	80.15	Nonazeotrope		527
5594	C_6H_7N	2-Picoline	131	~ 164		563
5595	C_6H_7N	3-Picoline	144	155-163		1032
		At 212 mm.		122	48.5	174,175
5596	C_6H_7N	4-Picoline	145.3	155-163		810
		At 212 mm.		124	48.1	174,175
5597	$C_6H_{10}O$	Cyclohexanone	155.7	Nonazeotrope		552
5598	$C_6H_{10}O$	Mesityl oxide	129.45	Nonazeotrope		552
5599	$C_6H_{10}S$	Allyl sulfide	139.35	134.6	40	555
5600	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope		527
5601	$C_6H_{12}O$	2-Hexanone	127.2	Nonazeotrope		552
5602	$C_6H_{12}O$	3-Hexanone	123.3	Nonazeotrope		552
5603	$C_6H_{12}O$	4-Methyl-2-pentanone	116.05	Nonazeotrope		527
5604	$C_6H_{12}O_2$	Butyl acetate	126.0	Nonazeotrope		527
5605	$C_6H_{12}O_2$	Isoamyl formate	123.6	Nonazeotrope		563
5606	$C_6H_{12}O_2$	Propyl propionate	123.0	Nonazeotrope		527
5607	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope		526
5608	$C_6H_{13}Br$	1-Bromohexane	156.5	139.0	60	575
5609	C_6H_{14}	Hexane	68.85	Nonazeotrope		507
5610	$C_6H_{14}O$	Propyl ether	90.1	Nonazeotrope		527
5611	$C_6H_{14}S$	Propyl sulfide	141.5	136.5	45	566
5612	C_7H_6O	Benzaldehyde	179.2	Nonazeotrope		575
5613	C_7H_7Br	*m*-Bromotoluene	184.3	Nonazeotrope		527
5614	C_7H_7Br	*o*-Bromotoluene	181.5	Nonazeotrope		527
5615	C_7H_7Cl	α-Chlorotoluene	179.3	Nonazeotrope		527
5616	C_7H_7Cl	*o*-Chlorotoluene	159.3	139.4	67	538
5617	C_7H_7Cl	*p*-Chlorotoluene	162.4	139.8	~ 75	538
5618	C_7H_8	Toluene	110.75	110.45	3	527
5619	C_7H_8O	Anisole	153.85	141.17	87	527
5620	C_7H_9N	2,6-Lutidine	144	155-163		810
		At 212 mm.		119	48.8	174,175

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	$C_3H_6O_2$	**Propionic Acid** *(continued)*	**140.9**				
5621	C_7H_{14}	Methylcyclohexane	101.15	Nonazeotrope			575
5622	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	Nonazeotrope			575
5623	$C_7H_{14}O_2$	Ethyl valerate	145.45	Nonazeotrope			575
5624	$C_7H_{14}O_2$	Isoamyl acetate	142.1	Nonazeotrope			527
5625	$C_7H_{14}O_2$	Methyl caproate	149.7	Nonazeotrope			575
5626	$C_7H_{14}O_2$	Propyl butyrate	142.8	Nonazeotrope			541
5627	C_7H_{16}	Heptane	98.15	97.82	2.0		507
5628	C_nH_x	Hydrocarbons	138-140	134	67		804
5629	C_8H_8	Styrene	145.8	135.0	~ 47		545
5630	C_8H_{10}	Ethylbenzene	136.15	131.1	28		563
		At 60 mm.	60.5	58.5	10		53
5631	C_8H_{10}	***m*-Xylene**	139.0	132.65	35.5?		563
5632	C_8H_{10}	***o*-Xylene**	143.6	135.4	43		527
5633	C_8H_{10}	***p*-Xylene**	138.2	132.5	34		527
5634	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope			527
5635	$C_8H_{10}O$	***p*-Methylanisole**	177.05	Nonazeotrope			575
5636	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope			527
5637	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	118.2	18		562
5638	$C_8H_{16}O_2$	Amyl propionate		Nonazeotrope			804
5639	$C_8H_{16}O_2$	Isobutyl isobutyrate	148.6	Nonazeotrope			575
5640	$C_8H_{16}O_2$	Propyl isovalerate	155.7	Nonazeotrope			527
5641	C_8H_{18}	2,5-Dimethylhexane	109.4	108.0	8		563
5642	C_8H_{18}	Octane	125.75	121.5	< 30		563
		"	125.12	120.89	24		507
		"	125.12		24.2	v-l	427
		" Satd. with Na propionate			6	v-l	427
5643	$C_8H_{18}O$	Butyl ether	142.4	136.0	45		527
5644	$C_8H_{18}O$	Isobutyl ether	122.3	< 121.5	< 6		575
5645	C_9H_7N	Quinoline	237.3	Nonazeotrope			553
5646	C_9H_8	Indene	182.6	Nonazeotrope			527
5647	C_9H_{12}	Cumene	152.8	139.0	65		527
5648	C_9H_{12}	Mesitylene	164.0	139.3	77		563
5649	C_9H_{12}	Propylbenzene	158	139.5	75		527
5650	C_9H_{12}	Pseudocumene	168.2	Nonazeotrope			541
5651	C_9H_{20}	Nonane	150.67	134.27	54		507
5652	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope			527
5653	$C_{10}H_{14}$	Cymene	175.5	Nonazeotrope			527
5654	$C_{10}H_{16}$	Camphene	159.6	138	65		527
5655	$C_{10}H_{16}$	***d*-Limonene**	177	Nonazeotrope			563
5656	$C_{10}H_{16}$	Nopinene	164	~ 139.0	~ 24		563
5657	$C_{10}H_{16}$	α-Phellandrene	171.5	Nonazeotrope			563
5658	$C_{10}H_{16}$	α-Pinene	155.8	136.4	58.5		542
5659	$C_{10}H_{16}$	α-Terpinene	173.4	141.2	97		575
5660	$C_{10}H_{16}$	Terpinolene	184.6	Nonazeotrope			575
5661	$C_{10}H_{16}$	Thymene	179.7	139	~ 88		563
5662	$C_{10}H_{18}O$	Cineol	176.35	Nonazeotrope			527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_3H_6O_2$**	**Propionic Acid** *(continued)*	**140.9**			
5663	$C_{10}H_{20}O_2$	Isoamyl isovalerate	193.5	Nonazeotrope		542
		Decane	173.3	< 140.5	< 95	562
		"	174.06	139.76	80.5	507
5665	$C_{10}H_{22}$	2.7-Dimethyloctane	160.25	138.3	70	563
5666	$C_{10}H_{22}O$	Isoamyl ether	173.2	Nonazeotrope		527
5667	$C_{11}H_{24}$	Undecane	193.85	Nonazeotrope		507
A =	**$C_3H_6O_3$**	**Ethylene Glycol Monoformate**	**180**			
5668	C_nH_m	Hydrocarbons		Min. b.pt.		644
A =	**$C_3H_6O_3$**	**Methyl Carbonate**	**90.35**			
5669	C_3H_7Br	1-Bromopropane	71.0	Nonazeotrope		547
5670	C_3H_7I	1-Iodopropane	102.4	89.5	90	563
5671	C_3H_7I	2-Iodopropane	89.35	86.0	< 45	547
5672	C_3H_8O	Isopropyl alcohol	82.45	78.75	44	572
5673	C_3H_8O	Propyl alcohol	97.2	87	75	532
5674	C_4H_8O	2-Butanone	79.6	Nonazeotrope		527
5675	$C_4H_8O_2$	Dioxane	101.35	Nonazeotrope		557
5676	$C_4H_8O_2$	Ethyl acetate	77.1	Nonazeotrope		575
5677	C_4H_9Br	1-Bromobutane	101.6	Nonazeotrope		547
5678	C_4H_9Br	2-Bromobutane	91.2	< 88.5	< 54	575
5679	C_4H_9Br	1-Bromo-2-methylpropane	91.6	87.5	< 50	547
5680	C_4H_9Br	2-Bromo-2-methylpropane	73.25	Nonazeotrope		575
5681	C_4H_9Cl	1-Chlorobutane	78.5	Nonazeotrope		547
5682	$C_4H_{10}O$	Butyl alcohol	117.75	Nonazeotrope		527
5683	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	89.0	85	563
5684	$C_4H_{10}O$	*tert*-Butyl alcohol	82.45	80.65	33	570
5685	$C_4H_{10}O$	Isobutyl alcohol	108.0	90.05	92	527
5686	$C_4H_{10}S$	Butanethiol	97.5	88.2	70	568
5687	$C_4H_{10}S$	Ethyl sulfide	92.1	86.8	53	568
5688	$C_5H_{10}O$	3-Methyl-2-butanone	95.4	Nonazeotrope		552
5689	$C_5H_{10}O_2$	Isobutyl formate	98.2	Nonazeotrope		575
5690	$C_6H_{10}O_2$	Isopropyl acetate	91.0	Nonazeotrope		531
5691	$C_6H_{10}O_2$	Methyl isobutyrate	92.5	Nonazeotrope		549
5692	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.4	< 90		575
5693	$C_5H_{12}O$	2-Pentanol	119.8	Nonazeotrope		575
5694	$C_5H_{12}O_2$	Diethoxymethane	87.95	86.0	40	527
5695	C_6H_6	Benzene	80.2	80.17	1	572
5696	$C_6H_{10}O$	Mesityl oxide	129.45	126.45	94	552
5697	C_6H_{12}	Cyclohexane	80.75	~ 75		563
5698	C_6H_{12}	Methylcyclopentane	72.0	< 69.5	> 12	575
5699	C_6H_{14}	*n*-Hexane	68.95	< 67.0	< 20	575
5700	$C_6H_{14}O$	Propyl ether	90.55	< 87.5	< 58	557
5701	$C_6H_{14}O_2$	Acetal	103.55	Nonazeotrope		557
5702	C_7H_8	Toluene	110.75	Nonazeotrope		575
5703	C_7H_{14}	Methylcyclohexane	101.15	< 85.0	< 75	563
5704	C_7H_{16}	*n*-Heptane	98.4	82.35	6 1	569
		"	98.45	~ 88.5	~ 70	563
5705	C_8H_8	Styrene	145	Min. b.p.		342

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_3H_6O_3$**	**Methyl Carbonate** *(continued)*	**90.35**				
5706	C_8H_{10}	Ethylbenzene	136	Min. b.p.			342
5707	C_8H_{10}	Xylenes	140	Min. b.p.			342
5708	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	Nonazeotrope			575
5709	C_8H_{18}	2,5-Dimethylhexane	109.4	87.0	80		562
5710	C_8H_{18}	Octane	125.75	Nonazeotrope			575
A =	**$C_3H_6O_3$**	**Methyl Glycolate**	**151.2**				
5711	C_8H_{10}	Ethylbenzene	136.15	Min. b.p.			163
5712	C_8H_{10}	*m*-Xylene	139	Min. b.p.			163
A =	**$C_3H_6O_3$**	***s*-Trioxane**	**114.5**				
5713	C_6H_6	Benzene	80.1			v-l	866
5714	C_6H_{12}	Cyclohexane	80.75	Min. b.p.			163
5715	C_6H_{12}	Naphthenes	~ 80	Min. b.p.			513
5716	C_6H_{14}	Hexanes	~ 70	Min. b.p.			513
5717	C_7H_{14}	Naphthenes	~ 100	Min. b.p.			513
5718	C_7H_{16}	Heptanes	~ 100	Min. b.p.			513
5719	C_8H_{10}	Xylene	140	Min. b.p.			515
5720	C_8H_{16}	Naphthenes	~ 120	Min. b.p.			513
5721	C_8H_{18}	Octanes	~ 120	Min. b.p.			513
5722	C_9H_{20}	Nonanes	~ 130	Min. b.p.			513
A =	**C_3H_7Br**	**1-Bromopropane**	**71.0**				
5723	C_3H_8O	Isopropyl alcohol	82.45	66.75	79.5		573
		"	82.45	65.2	84		563
5724	C_3H_8O	Propyl alcohol	97.6	69.75	90		389
5725	C_3H_8S	1-Propanethiol	67.5	Nonaeotrope			563
5726	$C_3H_9BO_3$	Methyl borate	68.75	~ 67.8	~ 55		531
5727	C_4H_4S	Thiophene	84.7	Nonazeotrope			527
5728	C_4H_8O	Butyraldehyde	75.2	Nonazeotrope			575
5729	C_4H_8O	Isobutyraldehyde	63.5	Nonazeotrope			575
5730	C_4H_8O	2-Butanone	79.6	Nonazeotrope			527
5731	$C_4H_8O_2$	Ethyl acetate	77.05	70	~ 80		563
		"	77.05	Nonazeotrope			532
5732	$C_4H_8O_2$	Isopropyl formate	68.8	66.0	< 45		547
5733	$C_4H_8O_2$	Methyl propionate	79.7	Azeotrope doubtful			563
5734	$C_4H_8O_2$	Propyl formate	80.85	Nonazeotrope			538
5735	C_4H_9Cl	1-Chloro-2-methylpropane	68.85	Nonazeotrope			549
		"	68.85	68.8	5		532
5736	$C_4H_9NO_2$	Butyl nitrite	78.2	Nonazeotrope			550
5737	$C_4H_9NO_2$	Isobutyl nitrite	67.1	67.05	5		550
5738	$C_4H_{10}O$	Butyl alcohol	117.75	Nonazeotrope			527
5739	$C_4H_{10}O$	*tert*-Butyl alcohol	82.45	68.0	88		567
5740	$C_4H_{10}O$	Isobutyl alcohol	108.5	Nonazeotrope, b.p. curve			389
5741	$C_4H_{10}O_2$	Acetaldehyde dimethyl acetal	64.3	Nonazeotrope			559
5742	$C_4H_{10}O_2$	Ethoxymethoxymethane	65.9	Nonazeotrope			559
5743	$C_5H_{10}O_2$	Isopropyl acetate	89.5	Nonazeotrope			575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_3H_7Br**	**1-Bromopropane** *(continued)*	**71.0**				
5744	$C_5H_{12}O$	*tert*-Amyl alcohol	102.0	Nonazeotrope			535
5745	$C_5H_{12}O$	Ethyl propyl ether	63.85	Nonazeotrope			559
5746	$C_5H_{12}O$	Isoamyl alcohol	129.3	Nonazeotrope, b.p. curve			389
5747	C_6H_6	Benzene	80.2	Nonazeotrope			563
5748	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope			563
5748a	C_6H_{12}	1-Hexene 200 mm.	27.9	29.5		v-l	498f
		" 400 mm.	44.8	45.6	12.2	v-l	498f
		" 600 mm.	56.3	57.0	13.1	v-l	498f
		" 760 mm.	63.5	63.6	13.1	v-l	498f
5749	C_6H_{12}	Methylcyclopentane	72.0	68.8	58		562
5750	C_6H_{14}	2,3-Dimethylbutane	58.0	Nonazeotrope			575
5751	C_6H_{14}	Hexane	68.85	67.2	50		538
A =	**C_3H_7Br**	**2-Bromopropane**	**59.4**				
5752	$C_3H_7NO_2$	Propyl nitrite	47.45	Nonazeotrope			550
5753	C_3H_8O	Isopropyl alcohol	82.45	57.7	93		527
5754	C_3H_8O	Propyl alcohol	97.2	Nonazeotrope			527
		"	97.2	58.4	96		573
5755	C_3H_8S	Propanethiol	67.3	Nonazeotrope			575
5756	$C_3H_9BO_3$	Methyl borate	68.7	Nonazeotrope			547
5757	C_4H_8O	2-Butanone	79.6	Nonazeotrope			527
5758	C_4H_8O	Butyraldehyde	75.2	Nonazeotrope			575
5759	C_4H_8O	Isobutyraldehyde	63.5	Nonazeotrope			575
5760	$C_4H_8O_2$	Ethyl acetate	77.1	Nonazeotrope			527
5761	$C_4H_9NO_2$	Isobutyl nitrite	67.1	Nonazeotrope			550
5762	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	Nonazeotrope			527
5763	$C_4H_{10}O$	*tert*-Butyl alcohol	82.45	59.0	94.8		527
5764	$C_4H_{10}O_2$	Acetaldehyde dimethyl acetal	64.3	Nonazeotrope			559
5765	$C_5H_{12}O$	Ethyl propyl ether	63.6	Nonazeotrope			548
5766	C_6H_6	Benzene	80.15	Nonazeotrope			527
5767	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope			575
5768	C_6H_{12}	Methylcyclopentane	72.0	Nonazeotrope			527
5769	C_6H_{14}	2,3-Dimethylbutane	58.0	55.8	50		527
5770	C_6H_{14}	Hexane	68.8	59.3	98.5		527
		"	68.85	Nonazeotrope			538
5771	$C_6H_{14}O$	Isopropyl ether	68.3	Nonazeotrope			527
A =	**C_3H_7Cl**	**1-Chloropropane**	**46.65**				
5772	$C_3H_7NO_2$	Isopropyl nitrite	40.1	Nonazeotrope			550
5773	$C_3H_7NO_2$	Propyl nitrite	47.75	45.6	62		555
5774	C_3H_8O	Isopropyl alcohol	82.4	46.4	97.2		555
5775	C_3H_8O	Propyl alcohol	97.2	Nonazeotrope			555
5776	$C_3H_8O_2$	Methylal	42.15	Nonazeotrope			555
5777	C_3H_8S	Propanethiol	67.3	Nonazeotrope			575
5778	$C_3H_9BO_3$	Methyl borate	68.7	Nonazeotrope			575
5779	$C_4H_8O_2$	Ethyl acetate	77.05	Nonazeotrope			555
5780	$C_4H_9NO_2$	Isobutyl nitrite	67.1	Nonazeotrope			555
5781	$C_4H_{10}O$	*tert*-Butyl alcohol	82.55	Nonazeotrope			555

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**C_3H_7Cl**	**1-Chloropropane** *(continued)*	**46.65**			
5782	$C_4H_{10}O$	Ethyl ether	34.5	Nonazeotrope		555
5783	$C_4H_{10}O$	Methyl propyl ether	38.9	Nonazeotrope		559
5784	C_5H_8	Isoprene	34.3	Nonazeotrope		575
5785	C_5H_{10}	Cyclopentane	49.3	< 44.5	<64	575
5786	C_5H_{12}	Pentane	36	< 34.8	<32	555
5787	C_6H_{14}	Hexane	68.8	Nonazeotrope		575
A =	**C_3H_7Cl**	**2-Chloropropane**	**34.9**			
5788	$C_3H_7NO_2$	Isopropyl nitrite	40.1	Nonazeotrope		550
5789	$C_3H_7NO_2$	Propyl nitrite	47.75	Nonazeotrope		550
5790	C_3H_8O	Isopropyl alcohol	82.5	Nonazeotrope		215
5791	$C_3H_8O_2$	Methylal	42.3	Nonazeotrope		548
5792	C_5H_{10}	Cyclopentane	49.3	< 44.5	<64	562
		"		Nonazeotrope		575
5793	C_5H_{10}	2-Methyl-1-butene	33.1	32.8	58	562
5794	C_5H_{10}	2-Methyl-2-butene	37.1	34	61	563
5795	C_5H_{12}	2-Methylbutane	27.95	~ 24		563
5796	C_5H_{12}	Pentane	36.15	~ 32	~ 52	563
A =	**C_3H_7ClO**	**1-Chloro-2-propanol**	**127.0**			
5797	C_4H_9I	1-Iodobutane	130.4	120.0	45	567
5798	C_4H_9I	1-Iodo-2-methylpropane	120.8	115.0	25	567
5799	$C_4H_{10}O$	Butyl alcohol	117.8	Nonazeotrope		575
5800	$C_4H_{10}O$	Isobutyl alcohol	108.0	Nonazeotrope		575
5801	$C_4H_{10}O_2$	2-Ethoxyethanol	135.3	Nonazeotrope		575
5802	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	115.3	~ 30	575
5803	$C_5H_{12}O$	Isoamyl alcohol	131.9	< 127.3	>81	575
5804	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	Nonazeotrope		575
5805	C_6H_5Br	Bromobenzene	156.1	Nonazeotrope		575
5806	C_6H_5Cl	Chlorobenzene	131.75	122.2	55	567
5807	C_6H_6	Benzene	80.15	Nonazeotrope		575
5808	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope		575
5809	$C_6H_{12}O$	3-Hexanone	123.3	Nonazeotrope		552
5810	$C_6H_{12}O$	4-Methyl-2-pentanone	116.05	Nonazeotrope		527
5811	$C_6H_{12}O_2$	Butyl acetate	126.0	125.5	~ 25	575
5812	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	Nonazeotrope		575
5813	$C_6H_{12}O_2$	Isoamyl formate	123.8	123.0	~ 30	575
5814	$C_6H_{12}O_2$	Isobutyl acetate	117.4	Nonazeotrope		575
5815	C_7H_8	Toluene	110.75	109.0	15	567
5816	C_7H_8O	Anisole	153.85	Nonazeotrope		575
5817	C_7H_{16}	Heptane	98.4	96.5	17	575
5818	C_8H_{10}	*m*-Xylene	139.2	124.5	75	567
5819	C_8H_{10}	*o*-Xylene	144.3	125.5	85	575
5820	C_8H_{18}	2,5-Dimethylhexane	109.4	105.0	30	567
5821	$C_8H_{18}O$	Isobutyl ether	122.3	< 118.0	>35	575
A =	**C_3H_7ClO**	**2-Chloro-1-propanol**	**133.7**			
5822	C_4H_9I	1-Iodobutane	130.4	123.5	30	567
5823	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	118.0	15	575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**C_3H_7ClO**	**2-Chloro-1-propanol**	**133.7**			
		(continued)				
5824	C_6H_5Br	Bromobenzene	156.1	Nonazeotrope		575
5825	C_6H_5Cl	Chlorobenzene	131.75	126.0	36	567
5826	C_6H_6O	Phenol	182.2	Nonazeotrope		575
5827	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope		575
5828	$C_6H_{12}O_2$	Isoamyl formate	123.8	< 123.7	> 5	575
5829	$C_6H_{12}O_2$	Isobutyl acetate	117.2	Nonazeotrope		575
5830	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	133.5?	60?	575
5831	$C_7H_{14}O_2$	Isoamyl acetate	142.1	Nonazeotrope		575
5832	C_8H_{10}	*m*-Xylene	139.2	129.0	53	567
5833	C_8H_{10}	*o*-Xylene	144.3	130.5	70	567
5834	C_8H_{16}	1,3-Dimehylcyclohexane	120.7	115.0	35	567
5835	$C_8H_{18}O$	Butyl ether	142.4	130.5	70	575
5836	$C_8H_{18}O$	Isobutyl ether	122.3	120.0	25	575
A =	**C_3H_7ClO**	**Propylene Chlorohydrin**	**73/100**			
5837	$C_6H_{12}Cl_2O$	Bis(chloroisopropyl) ether, 100 mm.	121.9	Nonazeotrope		981
A =	**$C_3H_7ClO_2$**	**Chloromethylal**	**95**			
5838	C_4H_8O	2-Butanone	79.6	Nonazeotrope		575
5839	$C_5H_{10}O$	3-Pentanone	95.0	Nonazeotrope		575
5840	C_6H_6	Benzene	80.15	Nonazeotrope		575
5841	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope		575
5842	C_7H_{16}	Heptane	98.4	93.0	62	562
A =	**$C_3H_7ClO_2$**	**1-Chloro-2,3-propanediol**	**213**			
5843	$C_6H_5NO_2$	Nitrobenzene	210.85	~ 208		563
5844	C_7H_7Cl	α-Chlorotoluene	179.35	179.2?		563
5845	C_7H_8O	Benzyl alcohol	205.5	204.5		563
5846	C_7H_8O	*p*-Cresol	201.8	Nonazeotrope		563
5847	$C_{10}H_{16}O$	Camphor	208.9	Nonazeotrope		563
A =	**C_3H_7I**	**1-Iodopropane**	**102.4**			
5848	C_3H_8O	Isopropyl alcohol	82.45	79.8	58	573
5849	C_3H_8O	Propyl alcohol	97.2	90.2	70	563
5850	$C_3H_8O_2$	2-Methoxyethanol	124.5	101.0		575
5851	C_4H_6O	Crotonaldehyde	102.15	< 99.7		563
5852	$C_4H_8O_2$	Dioxane	101.35	98.75	60	559
5853	$C_4H_{10}O$	Butyl alcohol	117.75	99.5	86.5	535
5854	$C_4H_{10}O$	Isobutyl alcohol	108	96	~ 82	563
5855	$C_4H_{10}O_2$	2-Ethoxyethanol	135.3	Nonazeotrope		556
5856	$C_5H_{10}O$	3-Methyl-2-butanone	95.4	Nonazeotrope		552
5857	$C_5H_{10}O$	2-Pentanone	102.35	100.8	65	552
5858	$C_5H_{10}O$	3-Pentanone	102.05	100.8	62	552
5859	$C_5H_{10}O_2$	Isopropyl acetate	89.5	Nonazeotrope		575
5860	$C_5H_{10}O_2$	Methyl butyrate	102.65	101.0	56	527
5861	$C_5H_{10}O_2$	Methyl isobutyrate	92.5	Nonazeotrope		527
5862	$C_5H_{10}O_2$	Propyl acetate	101.6	99.0	>46	527
5863	$C_5H_{11}NO_2$	Isoamyl nitrite	97.15	< 96.7		550
5864	$C_5H_{12}O$	3-Pentanol	116.0	97.2	70	567

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_3H_7I**	**1-Iodopropane** *(continued)*	**102.4**				
5865	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	100.5	89		567
5866	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	Nonazeotrope			547
5867	$C_6H_{14}O_2$	Acetal	103.55	101.0	60		559
5868	C_7H_8	Toluene	110.7	Nonazeotrope			563
5869	C_7H_{14}	Methylcyclohexane	101.1	99.4	~ 60		573
5870	C_7H_{16}	Heptane	98.4	< 97.5	>40		562
A =	**C_3H_7I**	**2-Iodopropane**	**89.35**				
5871	C_3H_8O	Isopropyl alcohol	82.45	76.0	68		573
5872	C_3H_8O	Propyl alcohol	97.2	82.95	83		527
5873	C_4H_8O	2-Butanone	79.6	Nonazeotrope			527
5874	$C_4H_8O_2$	Dioxane	101.35	Nonazeotrope			559
5875	$C_4H_8O_2$	Methyl propionate	79.84	Nonazeotrope			547
5876	$C_4H_8O_2$	Propyl formate	80.85	Nonazeotrope			547
		"	80.85	< 80.2	>16		575
5877	$C_4H_{10}O$	Butyl alcohol	117.8	88.6	94		567
5878	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	85.4	83		567
5879	$C_4H_{10}O$	*tert*-Butyl alcohol	82.45	< 77.75	<69		567
5880	$C_4H_{10}O$	Isobutyl alcohol	107.85	86.8	88		527
5881	$C_5H_{10}O_2$	Isobutyl formate	98.2	Nonazeotrope			547
		"	98.2	< 88.5	>82		575
5882	$C_5H_{10}O_2$	Isopropyl acetate	90.8	87.0	60		547
5883	$C_5H_{10}O_2$	Methyl isobutyrate	92.5	< 88.8	>80		575
5884	$C_5H_{11}NO_2$	Isoamyl nitrite	97.15	Nonazeotrope			550
5885	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	88.6	92		567
5886	$C_5H_{12}O$	3-Methyl-2-butanol	112.6	Nonazeotrope			575
5887	$C_5H_{12}O_2$	Diethoxymethane	87.95	86.15	37		527
5888	C_6H_6	Benzene	80.2	Nonazeotrope			538
5889	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope			575
5890	$C_6H_{14}O$	Propyl ether	90.55	~ 89.0	~ 65		548
5891	C_7H_{14}	Methylcyclohexane	100.8	88	65		929
A =	**C_3H_7NO**	**Acetoxime**	**135.8**				
5892	$C_6H_{10}S$	Allyl sulfide	138.7	134			563
A =	**C_3H_7NO**	***N*,*N*-Dimethylformamide**	**153**				
5893	C_6H_6	Benzene	80.1	Nonazeotrope			163
5893a	C_7H_8	Toluene	110.7	Nonazeotrope		v-l	2c
5893b	C_8H_{10}	*m*-Xylene	139	135.45	19.1	v-l	2c
5893c	C_8H_{10}	*o*-Xylene	143.6	138.85	26.4	v-l	2c
5894	C_8H_{10}	*p*-Xylene	138.4	135.1	18.7		224
		"	138.4	134.10	19.2	v-l	2c
A =	**C_3H_7NO**	**Propionamide**	**222.2**				
5895	$C_2H_7NO_2$	Ethyl carbamate	185.25	Nonazeotrope			575
5896	C_4H_5NS	Allyl isothiocyanate	152.0	Nonazeotrope			575
5897	$C_4H_6O_4$	Methyl oxalate	164.45	Nonazeotrope			575
5898	$C_4H_7BrO_2$	Ethyl bromoacetate	158.8	Nonazeotrope			527
5899	$C_4H_8Cl_2O$	Bis(2-chloroethyl) ether	178.65	Nonazeotrope			527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**C_3H_7NO**	**Propionamide** *(continued)*	**222.2**			
5900	$C_4H_8O_3$	Glycol monoacetate	190.9	Nonazeotrope		575
5901	C_4H_9I	1-Iodobutane	130.4	Nonazeotrope		527
5902	$C_4H_{10}O_3$	Diethylene glycol	245.5	Nonazeotrope		526
5903	$C_5H_6O_2$	Furfuryl alcohol	169.35	Nonazeotrope		575
5904	$C_5H_8O_3$	Levulinic acid	252	Nonazeotrope		527
5905	$C_5H_9ClO_2$	Propyl chloroacetate	163.5	Nonazeotrope		575
5906	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	Nonazeotrope		527
5907	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	Nonazeotrope		527
5908	$C_5H_{12}O$	Isoamyl alcohol	131.3	Nonazeotrope		527
5909	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	Nonazeotrope		526
5910	$C_5H_{12}O_3$	2-(2-Methoxyethoxy)-ethanol	192.95	Nonazeotrope		526
5911	C_6H_4BrCl	*p*-Bromochlorobenzene	196.4	189.5	16	575
5912	$C_6H_4Br_2$	*p*-Dibromobenzene	220.25	204.9	22	527
5913	$C_6H_4ClNO_2$	*m*-Chloronitrobenzene	235.5	216.5	>48	554
5914	$C_6H_4ClNO_2$	*o*-Chloronitrobenzene	246.0	< 220.6	>54	554
5915	$C_6H_4ClNO_2$	*p*-Chloronitrobenzene	239.1	217.5	49.8	527
5916	$C_6H_4Cl_2$	*o*-Dichlorobenzene	179.5	177.0	9	564
5917	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.4	172.55	8	527
5918	C_6H_5Br	Bromobenzene	156.1	Nonazeotrope		527
5919	C_6H_5BrO	*o*-Bromophenol	194.8	Nonazeotrope		575
5920	C_6H_5Cl	Chlorobenzene	132.0	Nonazeotrope		527
5921	C_6H_5ClO	*p*-Chlorophenol	219.75	228.0	33	562
5922	C_6H_5I	Iodobenzene	188.45	183.5	10	569
5923	$C_6H_5NO_2$	Nitrobenzene	210.75	205.4	24	527
5924	$C_6H_5NO_3$	*o*-Nitrophenol	217.25	211.15	24.8	542
5925	C_6H_6O	Phenol	182.2	Nonazeotrope		542
5926	$C_6H_6O_2$	Pyrocatechol	245.9	Nonazeotrope		527
5927	$C_6H_6O_2$	Resorcinol	281.4	Nonazeotrope		544
5928	C_6H_7N	Aniline	184.35	Nonazeotrope		527
5929	$C_6H_8N_2$	*o*-Phenylenediamine	258.6	Nonazeotrope		551
5930	$C_6H_8O_4$	Methyl fumarate	193.25	Nonazeotrope		527
5931	$C_6H_8O_4$	Methyl maleate	204.05	Nonazeotrope		527
5932	$C_6H_{10}O_4$	Ethylidene diacetate	168.5	Nonazeotrope		527
5933	$C_6H_{10}O_4$	Ethyl oxalate	185.65	Nonazeotrope		527
5934	$C_6H_{10}O_4$	Glycol diacetate	186.3	Nonazeotrope		575
5935	$C_6H_{11}ClO_2$	Butyl chloroacetate	181.9	Nonazeotrope		575
5936	$C_6H_{11}NO_2$	Nitrocyclohexane	205.3	< 203.0	>11	575
5937	$C_6H_{12}O$	Cyclohexanol	160.7	Nonazeotrope		527
5938	$C_6H_{12}O_2$	Caproic acid	205.15	Nonazeotrope		575
5939	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope		526
5940	$C_6H_{12}O_3$	Propyl lactate	171.7	Nonazeotrope		575
5941	$C_6H_{13}Br$	1-Bromohexane	156.5	Nonazeotrope		575
5942	$C_6H_{14}O$	Hexyl alcohol	157.85	Nonazeotrope		527
5943	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	Nonazeotrope		527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	C_3H_7NO	**Propionamide** *(continued)*	222.2			
5944	$C_6H_{14}O_2$	Pinacol	174.35	Nonazeotrope		575
5945	$C_6H_{14}S$	Propyl sulfide	141.5	Nonazeotrope		566
5946	$C_7H_5Cl_3$	α,α,α-Trichlorotoluene	220.9	Reacts		535
5947	C_7H_6O	Benzaldehyde	179.2	Nonazeotrope		575
5948	$C_7H_6O_2$	Benzoic acid	250.5	Nonazeotrope		542
5949	C_7H_7Br	*o*-Bromotoluene	181.5	178.2		527
5950	C_7H_7Br	*m*-Bromotoluene	184.3	180.4		527
5951	C_7H_7Br	*p*-Bromotoluene	185.0	181.0	10	562
5952	C_7H_7BrO	*o*-Bromoanisole	217.7	208.0	27	562
5953	C_7H_7Cl	*o*-Chlorotoluene	159.2	Nonazeotrope		527
5954	C_7H_7ClO	*o*-Chloroanisole	195.7	194.0	10	575
5955	C_7H_7ClO	*p*-Chloroanisole	197.8	< 196.5	~ 12	575
5956	C_7H_7I	*p*-Iodotoluene	214.5	201.5	20	562
5957	$C_7H_7NO_2$	*m*-Nitrotoluene	230.8	214.5	44	554
5958	$C_7H_7NO_2$	*o*-Nitrotoluene	221.75	210.2	30	527
5959	$C_7H_7NO_2$	*p*-Nitrotoluene	238.9	217.5	50	527
5960	C_7H_8	Toluene	110.75	Nonazeotrope		527
5961	C_7H_8O	Benzyl alcohol	205.1	Nonazeotrope		527
5962	C_7H_8O	*m*-Cresol	202.2	Nonazeotrope		542
5963	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope		544
5964	C_7H_8O	*p*-Cresol	201.7	Nonazeotrope		544
5965	$C_7H_8O_2$	Guaiacol	205.05	Nonazeotrope		527
5966	$C_7H_8O_2$	*m*-Methoxyphenol	244	Nonazeotrope		535
5967	C_7H_9N	Methylaniline	196.25	Nonazeotrope		551
5968	C_7H_9N	*m*-Toluidine	203.1	Nonazeotrope		527
5969	C_7H_9N	*o*-Toluidine	200.35	200.25	2.5	527
5970	C_7H_9N	*p*-Toluidine	200.55	Nonazeotrope		551
5971	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	Nonazeotrope		575
5972	$C_7H_{14}O_3$	Isobutyl lactate	182.15	Nonazeotrope		575
5973	$C_7H_{16}O_4$	2-[2-(2-Methoxyethoxy)-ethoxy]-ethanol	245.25	Nonazeotrope		575
5974	C_8H_8O	Acetophenone	202.0	200.35	15	552
5975	$C_8H_8O_2$	Methyl benzoate	199.4	196.95		571
5976	$C_8H_8O_2$	Phenyl acetate	195.7	Nonazeotrope		535
5977	$C_8H_8O_3$	Methyl salicylate	222.35	210.55	34	530
5978	C_8H_{10}	*m*-Xylene	139.2	Nonazeotrope		527
		"	139.0	138.5		531
5979	C_8H_{10}	*o*-Xylene	144.3	144.0	2	575
5980	$C_8H_{10}O$	Phenethyl alcohol	219.4	217.8	31	529
5981	$C_8H_{10}O$	Phenetole	170.5	Nonazeotrope		535
5982	$C_8H_{10}O$	3,4-Xylenol	226.8	221.1	96	564
		"	226.8	Nonazeotrope		575
5983	$C_8H_{10}O_2$	*o*-Ethoxyphenol	216.5	Nonazeotrope		575
5984	$C_8H_{11}N$	Dimethylaniline	194.15	190.5	15.5	551
5985	$C_8H_{11}N$	2,4-Xylidine	214.0	< 212.0	<27	551

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**C_3H_7NO**	**Propionamide** *(continued)*	**222.2**			
5986	$C_8H_{11}N$	3,4-Xylidine	225.5	217.2	28	575
5987	$C_8H_{11}N$	Ethylaniline	205.5	< 204.0	>12	551
5988	$C_8H_{11}NO$	*o*-Phenetidine	232.5	< 222.0		551
5989	$C_8H_{12}O_4$	Ethyl fumarate	217.85	< 211.0		562
5990	$C_8H_{12}O_4$	Ethyl maleate	223.3	214.0	38	570
5991	$C_8H_{14}O$	Methyl heptenone	173.2	Nonazeotrope		552
5992	$C_8H_{16}O$	2-Octanone	172.85	Nonazeotrope		552
5993	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope		527
5994	$C_8H_{16}O_2$	Isoamyl propionate	160.7	Nonazeotrope		527
5995	$C_8H_{16}O_2$	Isobutyl butyrate	156.9	Nonazeotrope		527
5996	$C_8H_{16}O_2$	Propyl isovalerate	155.7	Nonazeotrope		527
5997	$C_8H_{18}O$	Octyl alcohol	195.2	Nonazeotrope		527
5998	$C_8H_{18}O$	*sec*-Octyl alcohol	179.0	Nonazeotrope		527
5999	C_9H_7N	Quinoline	237.3	Nonazeotrope		553
6000	C_9H_8	Indene	182.6	179.5	12	562
6001	C_9H_8O	Cinnamaldehyde	253.5	Nonazeotrope		575
6002	$C_9H_{10}O$	Cinnamyl alcohol	257.0	Nonazeotrope		575
6003	$C_9H_{10}O$	*p*-Methylacetophenone	226.35	214.0	40	552
6004	$C_9H_{10}O$	Propiophenone	217.7	207.0	28	552
6005	$C_9H_{10}O_2$	Benzyl acetate	~214.9	208.8	29	574
6006	$C_9H_{10}O_2$	Ethyl benzoate	212.6	205.0	25	574
6007	$C_9H_{10}O_2$	Methyl-α-toluate	215.3	206.5	28	562
6008	$C_9H_{10}O_3$	Ethyl salicylate	233.7	214.0	~ 50	536
6009	C_9H_{12}	Cumene	152.8	151.8	4	575
6010	C_9H_{12}	Mesitylene	164.6	162.3	10	562
6011	C_9H_{12}	Propyl benzene	159.3	157.7		527
6012	$C_9H_{12}O$	Benzyl ethyl ether	185.0	182.5	8	575
6013	$C_9H_{12}O$	3-Phenylpropanol	235.6	Nonazeotrope		527
6014	$C_9H_{13}N$	*N,N*-Dimethyl-*m*-toluidine	203.1	Nonazeotrope		564
6015	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	182.5		551
6016	$C_9H_{13}N$	*N,N*-Dimethyl-*p*-toluidine	210.5	Nonazeotrope		564
		"	210.5	199.0	20	551
6017	$C_9H_{14}O$	Phorone	197.8	Nonazeotrope		552
6018	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	Nonazeotrope		552
6019	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	180.6	3?	575
		"	178.5	Nonazeotrope		536
6020	$C_9H_{18}O_2$	Isoamyl isobutyrate	169.8	Nonazeotrope		564
6021	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	Nonazeotrope		527
6022	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	< 186.5	> 8	575
6023	$C_{10}H_7Br$	1-Bromonaphthalene	281.2	222.0?	95?	575
		"	281.8	Nonazeotrope		564
6024	$C_{10}H_7Cl$	1-Chloronaphthalene	262.7	218.6	39	527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	C_3H_7NO	**Propionamide** *(continued)*	**222.2**			
6025	$C_{10}H_8$	Naphthalene	218.05	204.65	31.5	527
6026	$C_{10}H_9N$	1-Naphthylamine	300.8	Nonazeotrope		551
6027	$C_{10}H_9N$	Quinaldine	246.5	Nonazeotrope		575
6028	$C_{10}H_{10}O_2$	Isosafrol	252.1	~ 218.5		535
6029	$C_{10}H_{10}O_2$	Methyl cinnamate	261.95	Nonazeotrope		527
6030	$C_{10}H_{10}O_2$	Safrol	235.9	~ 213.2	35	535
6031	$C_{10}H_{10}O_4$	Methyl phthalate	283.2	Nonazeotrope		527
6032	$C_{10}H_{12}O$	Anethole	235.7	212.0	39	562
6033	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.1	220.0	60	562
6034	$C_{10}H_{12}O_2$	Eugenol	255.0	Nonazeotrope		527
6035	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	213.0	45	564
6036	$C_{10}H_{14}$	Cymene	176.7	172.8	15	562
6037	$C_{10}H_{14}O$	Carvacrol	237.85	Nonazeotrope		575
6038	$C_{10}H_{14}O$	Carvone	231.0	214.5	48	552
6038	$C_{10}H_{14}O$	Thymol	232.8	Nonazeotrope		535
6040	$C_{10}H_{14}O_2$	*m*-Diethoxybenzene	235.4	< 213.5		575
6041	$C_{10}H_{15}N$	Diethylaniline	217.05	203.15	23	551
6042	$C_{10}H_{16}$	Camphene	159.6	156.5	13	527
6043	$C_{10}H_{16}$	Dipentene	177.7	171.8	15	527
6044	$C_{10}H_{16}$	*d*-Limonene	177.8	172	20	573
6045	$C_{10}H_{16}$	Nopinene	163.8	161.0	10	562
6046	$C_{10}H_{16}$	α-Pinene	155.8	154.0	5	575
6047	$C_{10}H_{16}$	α-Terpinene	173.4	169.8	13	562
6048	$C_{10}H_{16}O$	Camphor	209.1	203.5	17	552
6049	$C_{10}H_{16}O$	Pulegone	223.8	212.0	38	552
6050	$C_{10}H_{18}O$	Borneol	213.4	209.2	22	527
6051	$C_{10}H_{18}O$	Cineol	176.35	173.8	8	527
6052	$C_{10}H_{18}O$	Citronellal	208.0	203? (reacts)		575
6053	$C_{10}H_{18}O$	Geraniol	229.6	217.0	54	527
6054	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		527
6055	$C_{10}H_{18}O$	α-Terpineol	217.8	209.6	25	527
6056	$C_{10}H_{20}O$	Citronellol	224.5	~ 211.5	~ 40	535
6057	$C_{10}H_{20}O$	Menthol	216.4	208.5	25	564
6058	$C_{10}H_{20}O_2$	Ethyl caprylate	208.35	200.2	22	562
6059	$C_{10}H_{20}O_2$	Methyl pelargonate	213.8	204.0	18	527
6060	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	188.45	12.2	541
6061	$C_{10}H_{22}$	Decane, 50 mm.		88	3	95
		" 100 mm.		106	5	95
		" 200 mm.		126	7.5	95
		" 760 mm.	173.3	168	11.8	95
6062	$C_{10}H_{22}O$	Amyl ether	187.5	181.0	12	562
6063	$C_{10}H_{22}O$	Decyl alcohol	~ 232.9	215.9	70	531
6064	$C_{10}H_{22}O$	Isoamyl ether	173.2	170.5	7	575
6065	$C_{10}H_{22}S$	Isoamyl sulfide	214.8	204.0	20	566
6066	$C_{11}H_{10}$	1-Methylnaphthalene	245.1	213.8	52	527
6067	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	213.0	50	527
6068	$C_{11}H_{12}O_2$	Ethyl cinnamate	272.0	Nonazeotrope		527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**C_3H_7NO**	**Propionamide** *(continued)*	**222.2**			
6069	$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethoxybenzene	255.2	220.0	60	574
6070	$C_{11}H_{14}O_2$	Butyl benzoate	249.0	218.0	64	562
6071	$C_{11}H_{14}O_2$	1,2-Dimethoxy-4-propenylbenzene	270.5	Nonazeotrope		535
6072	$C_{11}H_{14}O_2$	Isobutyl benzoate	242.15	215.5	60	527
6073	$C_{11}H_{20}O$	Methyl isobornyl ether	192.4	187.5	13	562
6074	$C_{11}H_{20}O$	Methyl α-terpineol ether	216.2	203.5	27	562
6075	$C_{11}H_{22}O_2$	Ethyl pelargonate	227	211.0	40	575
6076	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	208.5	35	564
6077	$C_{11}H_{24}$	Undecane, 50 mm.		105	15	95
		" 100 mm.		123	16	95
		" 200 mm.		142	17.3	95
		" 760 mm.	194.5	183	21	95
6078	$C_{12}H_{10}$	Acenaphthene	277.9	220.8	75	527
6079	$C_{12}H_{10}$	Biphenyl	256.1	216.0	55	575
6080	$C_{12}H_{10}O$	Phenyl ether	259.3	219.0	~ 62	574
6081	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.05	219	67	**527**
6082	$C_{12}H_{16}O_3$	Isoamyl salicylate	277.5	Nonazeotrope		575
6083	$CC_{12}H_{20}O_2$	Bornyl acetate	227.6	209.5	38	570
6084	$C_{12}H_{22}O$	Ethyl isobornyl ether	203.8	196.0	20	562
6085	$C_{12}H_{26}$	Dodecane, 50 mm.		115	26	**95**
		Dodecane 100 mm.		132	26	95
		" 200 mm.		152	26	95
		" 760 mm.	216	193	31.6	**95**
6086	$C_{13}H_{10}$	Fluorene	295	221.5	90	575
6087	$C_{13}H_{12}$	Diphenylmethane	265.6	218.2	60	527
6088	$C_{14}H_{12}$	Stilbene	306.5	Nonazeotrope		575
6089	$C_{14}H_{14}$	1,2-Diphenylethane	284.5	221.0	80	575
6090	$C_{14}H_{14}O$	Benzyl ether	297	Nonazeotrope		575
A=	**$C_3H_7NO_2$**	**Ethyl Carbamate**	**185.25**			
6091	$C_3H_8O_2$	1,2-Propanediol	187.8	< 183.5		575
6092	$C_4H_6O_4$	Methyl oxalate	164.45	Nonazeotrope		**527**
6093	$C_4H_7Cl_3O$	Ethyl 1,1,2-trichloroethyl ether	173	169.5		575
6094	$C_4H_8Cl_2O$	Bis(2-chloroethyl) ether	178.65	171.5	25	562
6095	C_4H_9I	1-Iodobutane	130.4	Nonazeotrope		564
6096	C_4H_9I	1-Iodo-2-methylpropane	120.8	Nonazeotrope		564
6097	$C_5H_4O_2$	2-Furaldehyde	161.45	Nonazeotrope		527
6098	$C_5H_6O_2$	Furfuryl alcohol	169.35	Nonazeotrope		575
6099	$C_5H_8O_4$	Methyl malonate	181.4	< 178.65	<35	575
6100	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	Nonazeotrope		556
6101	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.3	Nonazeotrope		564
6102	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	146.5	2	564

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_3H_7NO_2$**	**Ethyl Carbamate** *(continued)*	**185.25**			
6103	$C_5H_{11}NO_3$	Isoamyl nitrate	149.75	149.1	7	560
6104	$C_5H_{12}O$	Isoamyl alcohol	131.9	Nonazeotrope		527
6105	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	Nonazeotrope		527
6106	$C_5H_{12}O_3$	2-(2-Methoxyethoxy)-ethanol	192.95	Nonazeotrope		527
6107	$C_6H_4Br_2$	*p*-Dibromobenzene	220.25	183.6	64	563
6108	$C_6H_4Cl_2$	*o*-Dichlorobenzene	179.5	170.0	27	564
6109	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.35	167.0	24.2	555
6110	C_6H_5Br	Bromobenzene	156.1	153.95	9.8	564
6111	C_6H_5Cl	Chlorobenzene	131.75	Nonazeotrope		527
6112	C_6H_5I	Iodobenzene	188.45	174.5	33	564
6113	$C_6H_5NO_2$	Nitrobenzene	210.75	184.95	88	554
6114	$C_6H_5NO_3$	*o*-Nitrophenol	217.2	Nonazeotrope		575
6115	C_6H_6O	Phenol	182.2	190.75	53.5	564
6116	$C_6H_8O_4$	Methyl fumarate	193.25	184.2	79	527
6117	$C_6H_8O_4$	Methyl maleate	204.05	Nonazeotrope		527
6118	$C_6H_{10}O$	Cyclohexanone	155.75	Nonazeotrope		564
6119	$C_6H_{10}O_4$	Ethylidene diacetate	168.5	Nonazeotrope		527
6120	$C_6H_{10}O_4$	Ethyl oxalate	185.65	181.0	38	564
6121	$C_6H_{10}O_4$	Methyl succinate	195.5	184.3	80	527
6122	$C_6H_{10}S$	Allyl sulfide	139.35	Nonazeotrope		566
6123	$C_6H_{12}O$	Cyclohexanol	160.8	Nonazeotrope		527
6124	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope		556
6125	$C_6H_{13}Br$	1-Bromohexane	156.5	154.0	10	564
6126	$C_6H_{13}ClO_2$	Chloroacetal	157.4	156.8	10	575
6127	$C_6H_{14}O$	*n*-Hexanol	157.85	Nonazeotrope		527
6128	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	Nonazeotrope		527
6129	$C_6H_{14}O_2$	Pinacol	174.35	173.5		575
6130	$C_6H_{14}O_3$	2-(2-Ethoxyethoxy) ethanol	201.9	Nonazeotrope		575
6131	$C_6H_{14}S$	Isopropyl sulfide	120.5	Nonazeotrope		566
6132	C_7H_5N	Benzonitrile	191.1	182.1	57	569
6133	C_7H_7Br	*m*-Bromotoluene	184.3	171.9	30.5	527
6134	C_7H_7Br	*o*-Bromotoluene	181.5	170.5	28	527
6135	C_7H_7Br	*p*-Bromotoluene	185.0	172.3	32	527
6136	C_7H_7Cl	*o*-Chlorotoluene	159.2	156.4	13	564
6137	C_7H_7Cl	*p*-Chlorotoluene	162.4	158.7	15	564
6138	C_7H_7ClO	*m*-Chloroanisole	193.3	179.5	20	562
6139	C_7H_7ClO	*o*-Chloroanisole	195.7	180.0	18	562
6140	C_7H_7I	*p*-Iodotoluene	214.5	183.2	58	564
6141	$C_7H_7NO_2$	*m*-Nitrotoluene	230.8	Nonazeotrope		554
6142	$C_7H_7NO_2$	*o*-Nitrotoluene	221.75	Nonazeotrope		554
6143	$C_7H_7NO_2$	*p*-Nitrotoluene	238.9	Nonazeotrope		554
6144	C_7H_8	Toluene	110.75	Nonazeotrope		527
6145	C_7H_8O	Anisole	153.85	153.5	5	564
6146	C_7H_8O	Benzyl alcohol	205.25	Nonazeotrope		527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_3H_7NO_2$**	**Ethyl Carbamate** *(continued)*	**185.25**			
6147	C_7H_8O	*m*-Cresol	202.2	202.6	8	564
6148	C_7H_8O	*o*-Cresol	191.1	193.45	30	564
6149	C_7H_8O	*p*-Cresol	201.7	202.2	10	564
6150	$C_7H_{12}O_4$	Ethyl malonate	199.2	185.15	95	564
6151	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	Nonazeotrope		527
6152	$C_7H_{14}O_2$	Amyl acetate	148.8	Nonazeotrope		527
6153	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	Nonazeotrope		575
6154	$C_7H_{16}O$	*n*-Heptyl alcohol	176.15	175.1	28.5	564
6155	C_8H_8	Styrene	145.8	Nonazeotrope		527
6156	C_8H_8O	Acetophenone	202.0	184.85	86	552
6157	$C_8H_8O_2$	Benzyl formate	203.0	182.5	62	564
6158	$C_8H_8O_2$	Methyl benzoate	199.4	183.8	67	564
6159	$C_8H_8O_2$	Phenyl acetate	195.7	180.0	52	564
6160	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope		527
6161	C_8H_{10}	*m*-Xylene	139.2	Nonazeotrope		527
6162	$C_8H_{10}O$	Benzyl methyl ether	167.8	163.5	18	527
6163	$C_8H_{10}O$	*p*-Ethylphenol	218.8	Nonazeotrope		575
6164	$C_8H_{10}O$	*m*-Methylanisole	177.2	171.5	26	564
6165	$C_8H_{10}O$	*p*-Methylanisole	177.05	171.3	25	564
6166	$C_8H_{10}O$	Phenethyl alcohol	219.4	Nonazeotrope		575
6167	$C_8H_{10}O$	Phenetole	170.45	166.2	22	564
6168	$C_8H_{10}O$	2,4-Xylenol	210.5	Nonazeotrope		575
6169	$C_8H_{10}O$	3,4-Xylenol	226.8	Nonazeotrope		564
6170	$C_8H_{10}O_2$	Veratrole	206.8	182.0	67	564
6171	$C_8H_{12}O_4$	Ethyl fumarate	217.85	Nonazeotrope		527
6172	$C_8H_{12}O_4$	Ethyl maleate	223.3	Nonazeotrope		527
6173	$C_8H_{14}O$	Methylheptenone	173.2	171.5	30	552
6174	$C_8H_{14}O_4$	Ethyl succinate	217.25	Nonazeotrope		527
6175	$C_8H_{16}O$	2-Octanone	172.85	171.5	28	552
6176	$C_8H_{16}O_2$	Butyl butyrate	166.4	164.8	15	564
6177	$C_8H_{16}O_2$	Ethyl caproate	167.7	165.0	16	564
6178	$C_8H_{16}O_2$	Isoamyl propionate	160.7	< 159.5	> 7	527
6179	$C_8H_{16}O_2$	Isobutyl butyrate	156.9	< 156.3	> 6.5	575
6180	$C_8H_{16}O_2$	Isobutyl isobutyrate	148.6	Nonazeotrope		527
6181	$C_8H_{18}O$	Butyl ether	142.4	< 141.5	< 5	562
6182	$C_8H_{18}O$	Octyl alcohol	195.2	183.5	72.5	564
6183	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	177.0	37	564
6184	$C_8H_{18}S$	Butyl sulfide	185.0	< 175.5	<44	566
6185	$C_8H_{18}S$	Isobutyl sulfide	172.0	166.5	23	555
6186	C_9H_8	Indene	182.6	172.65	35	527
6187	$C_9H_{10}O$	*p*-Methylacetophenone	226.35	Nonazeotrope		552
6188	$C_9H_{10}O$	Propiophenone	217.7	Nonazeotrope		552
6189	$C_9H_{10}O_2$	Ethyl benzoate	212.5	Nonazeotrope		527
6190	C_9H_{12}	Cumene	152.8	151.5	6	575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_3H_7NO_2$**	**Ethyl Carbamate** *(continued)*	**185.25**			
6191	C_9H_{12}	Mesitylene	164.6	159.0	22	564
6192	C_9H_{12}	Propylbenzene	159.3	157.0	15	527
6193	C_9H_{12}	Pseudocumene	168.2	161.4	25	564
6194	$C_9H_{12}O$	Benzyl ethyl ether	185.2	175.0	34	564
6195	$C_9H_{12}O$	Phenyl propyl ether	190.5	176.2	45	562
6196	$C_9H_{14}O$	Phorone	197.8	< 184.5	<82	552
6197	$C_9H_{18}O_2$	Butyl isovalerate	177.6	171.3	28	527
6198	$C_9H_{18}O_2$	Ethyl enanthate	188.7	< 178.0	<48	562
6199	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	173.7	33	564
6200	$C_9H_{18}O_2$	Isoamyl isobutyrate	169.8	166.5	21	562
6201	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	167.65	20	570
6202	$C_9H_{18}O_2$	Methyl caprylate	192.9	178.5	48	564
6203	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	176.5	42	564
6204	$C_{10}H_8$	Naphthalene	218.0	184.05	77	564
6205	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.75	Nonazeotrope		527
6206	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	Nonazeotrope		527
6207	$C_{10}H_{14}$	Butylbenzene	183.1	172.0	37	527
6208	$C_{10}H_{14}$	Cymene	176.7	169.0	31	564
6209	$C_{10}H_{16}$	Camphene	159.6	157.0	15	564
6210	$C_{10}H_{16}$	Limonene	177.6	168.0	32	564
6211	$C_{10}H_{16}$	α-Terpinene	173.5	166.0	28	564
6212	$C_{10}H_{16}$	γ-Terpinene	183.0	171.5	38	564
6213	$C_{10}H_{16}O$	Camphor	209.1	184.85	84	552
6214	$C_{10}H_{16}O$	Fenchone	193.6	< 182.0	<75	552
6215	$C_{10}H_{18}O$	Borneol	215.0	Nonazeotrope		527
6216	$C_{10}H_{18}O$	Cineol	176.35	168.4	28	564
6217	$C_{10}H_{18}O$	Linalool	198.6	< 185.0		575
6218	$C_{10}H_{18}O$	α-Terpineol	218.85	Nonazeotrope		527
6219	$C_{10}H_{18}O$	β-Terpineol	210.5	Nonazeotrope		575
6220	$C_{10}H_{20}O$	Menthol	216.3	Nonazeotrope		527
6221	$C_{10}H_{20}O_2$	Ethyl caprylate	208.35	< 184.0	72	527
6222	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	177.75	46	564
6223	$C_{10}H_{20}O_2$	Methyl pelargonate	213.8	184.3	85	575
6224	$C_{10}H_{22}$	2,7-Dimethyloctane	160.1	< 157.5	<19	527
6225	$C_{10}H_{22}O$	Amyl ether	187.4	171.0	37	564
6226	$C_{10}H_{22}O$	Isoamyl ether	173.35	163.15	27	564
6227	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	Nonazeotrope		527
6228	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		527
6229	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	177.0	45	564
6230	$C_{11}H_{20}O$	Methyl α-terpineol ether	216.2	184.9	96	575
6231	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	Nonazeotrope		527
6232	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope		527
6233	$C_{12}H_{22}O$	Ethyl isobornyl ether	203.8	181.2	82	562
A =	**$C_3H_7NO_2$**	**Isopropyl Nitrite**	**40.1**			
6234	$C_3H_7NO_2$	Propyl nitrite	47.75	Nonazeotrope		550
6235	$C_3H_7NO_3$	Propyl nitrate	110.5	Nonazeotrope		560
6236	$C_3H_8O_2$	Methylal	42.3	39.75	80	550

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_3H_7NO_2$**	**Isopropyl Nitrite *(continued)***	**40.1**				
6237	C_4H_4O	Furan	31.7	Nonazeotrope			550
6238	C_4H_9Cl	2-Chloro-2-methylpropane	50.8	Nonazeotrope			550
6239	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope			537
6240	$C_4H_{10}O$	Methyl propyl ether	38.85	< 37.5	33		550
6241	C_5H_8	Isoprene	34.3	33.5	28		550
6242	C_5H_{10}	Cyclopentane	49.3	< 39.9	<92		550
6243	C_5H_{10}	2-Methyl-2-butene	37.1	35.5	38		550
6244	C_5H_{10}	3-Methyl-1-butene	20.6	Nonazeotrope			550
6245	C_5H_{12}	2-Methylbutane	27.95	27.65	7.5		527
6246	C_5H_{12}	Pentane	36.15	34.5	35		550
6247	C_6H_{10}	Biallyl	60.1	Nonazeotrope			550
6248	C_6H_{14}	2,3-Dimethylbutane	58.0	Nonazeotrope			550
6249	C_6H_{14}	Hexane	68.8	Nonazeotrope			550
A =	**$C_3H_7NO_2$**	**1-Nitropropane**	**131**				
6250	C_3H_8O	Isopropyl alcohol	82.40	Nonazeotrope			806
6251	C_3H_8O	Propyl alcohol	97.15	96.95	8.8		806
6252	$C_4H_{10}O$	Butyl alcohol	117.73	115.30	32.2		806
6253	$C_4H_{10}O$	*sec*-Butyl alcohol	99.53	99.40	4.1		806
6254	$C_4H_{10}O$	*tert*-Butyl alcohol	82.41	Nonazeotrope			806
6255	$C_4H_{10}O$	Isobutyl alcohol	107.89	105.28	15.2		806
6256	$C_5H_{12}O$	*n*-Amyl alcohol	138.06	127.4	63.9		866
6257	C_6H_5Cl	Chlorobenzene, 130 mm.		75	44	v-l	510
		" 598 mm.		120	44	v-l	510
6258	C_6H_6	Benzene 250 mm.		Nonazeotrope		v-l	845
		" 25°C.		Nonazeotrope			806
6259	C_6H_{12}	Cyclohexane	80.74	Azeotropic			806
6260	C_6H_{14}	Hexane 25°C		Nonazeotrope		v-l	845
		"	68.72	68.7	0.4		806
6261	C_7H_8	Toluene	110.62	110.6	0.3		806
6262	C_7H_{14}	Methyl cyclohexane	100.93	100.0	15.0		806
6263	C_7H_{16}	Heptane	98.43	96.6	13.5		806
6264	C_8H_6	Phenylacetylene	142	Azeotropic			247
6265	C_8H_8	Styrene	145	Azeotropic			247
		"	68/60 mm.	Nonazeotrope			53
6266	C_8H_{10}	Ethylbenzene, 60 mm.	60.5	56.4	61		53
		"	136	127.5	59		52
		"	136.19	129.0	56.0		806
6267	C_8H_{18}	Octane	125.66	115.8	34.2		806
6268	C_8H_{18}	2,2,4-Trimethylpentane	99.24	99.0	13		806
6269	C_9H_{20}	Nonane	150.80	126.6	61.6		806
A =	**$C_3H_7NO_2$**	**2-Nitropropane**	**120**				
6270	C_3H_8O	Isopropyl alcohol	82.40	82.24	4.2		806
6271	C_3H_8O	Propyl alcohol	97.15	95.97	24.9		806
6272	C_4H_8O	2-Butanone	79.50	Nonazeotrope			806
6273	C_4H_8O	Tetrahydrofuran	66	Nonazeotrope			806

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_3H_7NO_2$**	**2-Nitropropane** *(continued)*	**120**				
6274	$C_4H_8O_2$	Ethyl acetate	77.11	Nonazeotrope			806
6275	$C_4H_{10}O$	Butyl alcohol	117.73	111.61	52.4		806
6276	$C_4H_{10}O$	*sec*-Butyl alcohol	99.53	98.70	18.0		806
6277	$C_4H_{10}O$	*tert*-Butyl alcohol	82.41	Nonazeotrope			806
6278	$C_4H_{10}O$	Isobutyl alcohol	107.89	105.28	33.1		806
6279	$C_4H_{10}O_2$	2-Ethoxyethanol	134.8	119.4	85		806
		" 100 mm.		62.0	92.2		806
6280	$C_5H_{12}O$	Amyl alcohol	138.06	119.5	85.2		806
6281	C_6H_6	Benzene	80.1	Nonazeotrope		v-l	806,845
6282	$C_6H_{10}O$	Cyclohexanone	155.65	Nonazeotrope			806
6283	C_6H_{12}	Cyclohexane	80.74	81.2	9.8		806
		" 500 mm.		66.8	8.6		806
		" 300 mm.		52.4	8.4		806
6284	C_6H_{14}	Hexane 25°C		Nonazeotrope		v-l	845
		"	68.74	68.7	3		806
6285	C_7H_8	Toluene	110.63	109.8	18.3		806
		"	110.8	110			162
6286	C_nH_{2n+2}	Paraffins	107-110	96-108			162
6287	C_7H_{14}	Methyl cyclohexane	100.93	96.5	22.7		806
		" 300 mm.		67.4	21.6		806
6288	$C_7H_{14}O_2$	4-Methoxy-4-methyl-2-pentanone	165	Nonazeotrope			806
6289	C_7H_{16}	Heptane	98.43	94.5	20.5		806
		" 500 mm.		83.5	19.7		806
		" 300 mm.		66.3	20.0		806
		" 100 mm.		38.5	19.2		806
6290	C_8H_{10}	Ethylbenzene	136.19	120.2	91.6		806
6291	C_8H_{18}	Octane	125.66	110.7	46.9		806
		" 500 mm.		97.5	46.2		806
		" 300 mm.		81.7	46.0		806
		" 100 mm.		54.2	45.9		806
6292	C_8H_{18}	2,2,4-Trimethylpentane	99.24	95.4	20.9		806
		" 300 mm.		66.9	18.7		806
6293	C_9H_{20}	Nonane	150.79	118.4	75.4		806
		" 500 mm.		104.7	75.1		806
		" 300 mm.		88.3	75.0		806
		" 100 mm.		60.5	74.5		806
A =	**$C_3H_7NO_2$**	**Propyl Nitrite**	**47.75**				
6294	C_3H_8O	Propyl alcohol	97.25	Nonazeotrope			539
6295	$C_3H_8O_2$	Methylal	42.3	Nonazoetrope			550
6296	C_4H_9Cl	2-Chloro-2-methyl-propane	50.8	47.5	>79		550 550
6297	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope			550
6298	C_5H_{10}	Cyclopentane	49.3	45.5	54		550
6299	C_5H_{12}	2-Methylbutane	27.95	Nonazeotrope			550
6300	C_5H_{12}	Pentane	36.15	35.8	9		550

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_3H_7NO_2$**	**Propyl Nitrite *(continued)***	**47.75**				
6301	$C_5H_{12}O$	Ethyl propyl ether	63.85	Nonazeotrope			550
6302	C_6H_{14}	2,3-Dimethylbutane	58.0	Nonazeotrope			550
6303	C_6H_{14}	Hexane	68.8	Nonazeotrope			550
A =	**$C_3H_7NO_3$**	**Propyl Nitrate**	**110.5**				
6304	C_3H_8O	Isopropyl alcohol	82.42	< 81.5			560
6305	C_3H_8O	Propyl alcohol	97.2	93.7	30		560
6306	$C_{33}H_8O_2$	2-Methoxyethanol	124.5	108.0	80		560
6307	$C_4H_8O_2$	Dioxane	101.35	Nonazeotrope			557
6308	C_4H_8S	Tetrahydrothiophene	118.8	109.0	73		560
6309	C_4H_9Br	1-Bromobutane	101.5	< 101.0			560
6310	C_4H_9Br	1-Bromo-2-methyl-propane	91.4	Nonazeotrope			547
6311	C_4H_9I	2-Iodobutane	120.0	< 109.5	<85		560
6312	C_4H_9I	1-Iodo-2-methylpropane	120.8	< 109.5	<89		560
6313	$C_4H_{10}O$	Butyl alcohol	117.8	106.5	68		560
6314	$C_4H_{10}O$	Isobutyl alcohol	108.0	< 103.5	>47		560
6315	$C_4H_{10}O_2$	2-Ethoxyethanol	135.3	Nonazeotrope			556
6316	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	< 100.1	<23		560
6317	$C_5H_{12}O$	Isoamyl alcohol	131.9	< 110.0			560
6318	$C_5H_{12}O$	2-Pentanol	119.8	< 108.0	<90		560
6319	C_6H_6	Benzene	80.15	Nonazeotrope			560
6320	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	109.7			563
6321	$C_6H_{14}O_2$	Acetal	103.55	Nonazeotrope			560
6322	$C_6H_{14}O_2$	Ethoxypropoxymethane	113.7	< 110.0			557
6323	C_7H_8	Toluene	110.75	< 109.0	>47		560
6324	C_7H_{14}	Methylcyclohexane	101.15	97.0	25		560
6325	C_7H_{16}	Heptane	98.4	95.0	25		560
6326	C_8H_{18}	2,5-Dimethylhexane	109.4	101.2	45		560
A =	**C_3H_8**	**Propane**	**— 42.1**				
6327	C_4H_{10}	2-Methylpropane —7 to 121°		Nonazeotrope		v-l	384
6328	C_7F_{16}	Perfluoroheptane crit. press.		Nonazeotrope		v-l	431
A =	**C_3H_8O**	**Isopropyl Alcohol**	**82.45**				
6329	$C_3H_8O_2$	Methylal	42.3	Nonazeotrope			556
6330	C_4H_4S	Thiophene	84.7	< 76.0	<43		566
6331	$C_4H_6O_2$	Biacetyl	88	77.3	~ 60		640
		"	87.5	< 79	<60		552
6332	$C_4H_6O_2$	Methyl acrylate	80	76.0	46.5		799,800
6333	$C_4H_6O_2$	Vinyl acetate	72.7	70.8	22.4		982
6334	C_4H_7N	Isobutyronitrile	103.85	Nonazeotrope			575
6335	C_4H_8O	2-Butanone	79.6	77.9	32		29,527
		"	79.6	~ 78	~ 66	v-l	680
		"	79.6	77.7	34		597c,680
6335a	C_4H_8O	Tetrahydrofuran	66	Nonazeotrope		v-l	879f
6336	C_4H_8OS	Ethyl thioacetate	116.6	Nonazeotrope			575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	C_3H_8O	**Isopropyl Alcohol** *(continued)*	**82.45**				
6337	$C_4H_8O_2$	Dioxane	101.35	Nonazeotrope			527
		"				v-l	153
6338	$C_4H_8O_2$	Ethyl acetate	77.05	75.9	25	v-l	674
		" 40°-60°C.				v-l	674
		"	77.1	74	26		572,834
6339	$C_4H_8O_2$	Methyl propionate	79.8	76.35	38		572
		"	79.6	77	28		982
6340	$C_4H_8O_2$	Propyl formate	80.8	75.85	~ 36		572
6341	C_4H_8S	Tetrahydrothiophene	118.8	Nonazeotrope			566
6341a	C_4H_9Br	1-Bromobutane	101.5	79.6			571c
6342	C_4H_9Br	2-Bromobutane	91.2	77.5	34		567
6343	C_4H_9Br	1-Bromo-2-methylpropane	90.95	77.5	33		555
6344	C_4H_9Br	2-Bromo-2-methylpropane	73.3	67	<20		563
6345	C_4H_9Cl	1-Chlorobutane	78.05	70.8	23		573
6346	C_4H_9Cl	2-Chlorobutane	68.25	64.0	18		567
6347	C_4H_9Cl	1-Chloro-2-methylpropane	68.85	64.8	17		573
		"	68.9	63.8	19		982
6348	C_4H_9I	1-Iodobutane	130.4	Nonazeotrope			575
6349	C_4H_9I	1-Iodo-2-methylpropane	120	81-82	70		532,834
6350	$C_4H_{10}O$	*tert*-Butyl alcohol	82.45	Nonazeotrope			549
6351	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope			981
6352	$C_4H_{10}S$	Ethyl sulfide	92.2	78.0	~ 52		531
6353	$C_4H_{11}N$	Butylamine	77.8	84.7	60		982
6354	C_5H_{10}	Cyclopentane	49.4	< 47.3			567
6355	C_5H_{10}	2-Methyl-2-butene	37.15	Nonazeotrope			563
6356	C_5H_{10}	3-Methyl-1-butene	22.5	Nonazeotrope			540
6357	$C_5H_{10}O$	Isopropyl vinyl ether	55.7		16.5		1008
6358	$C_5H_{10}O$	3-Methyl-2-butanone	95.4	Nonazeotrope			552
6359	$C_5H_{10}O$	2-Pentanone	102.35	Nonazeotrope		v-l	37
6360	$C_5H_{10}O$	3-Pentanone	102.05	Nonazeotrope			552
6361	$C_5H_{10}O_2$	Butyl formate	106.8	Nonazeotrope			575
6362	$C_5H_{10}O_2$	Isobutyl formate	97.9	Nonazeotrope			532
6363	$C_5H_{10}O_2$	Isopropyl acetate	91	80.1	52.3		164,536
6364	$C_5H_{10}O_2$	Methyl butyrate	102.65	Nonazeotrope			536
6365	$C_5H_{10}O_2$	Methyl isobutyrate	92.5	81.4	65		575
6366	$C_5H_{10}O_2$	Propyl acetate	101.6	Nonazeotrope			537
6367	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	Nonazeotrope			527
		1-Bromo-3-methylbutane	120.3	82.2	~ 82		535
6368	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.8	79.2	43		573
6369	C_5H_{12}	2-Methylbutane	27.95	Nonazeotrope			537
		"	27.95	27.8	5		538
6370	C_5H_{12}	Pentane	36.15	35.5	6		538
6371	$C_5H_{12}O$	Ethyl propyl ether	63.6	62.0	10		545
6372	$C_5H_{12}O_2$	Diethoxymethane	87.95	79.6	52		556
6373	C_6H_5Cl	Chlorobenzene	132.0	Nonazeotrope			532

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_3H_8O**	**Isopropyl Alcohol** *(continued)*	**82.45**				
6374	C_6H_5F	Fluorobenzene	85.15	74.5	30		545
6375	C_6H_6	Benzene	80.2	71.92	33.3		834,1042, 1044
		" 155 mm.		31.8	20.6		924
		" 243 mm.		41.8	23.6		924
		" 509 mm.		60.4	29.9		924
		" 607 mm.		65.3	31.4		924
		" 760 mm.		71.74	33.7		924
		" 196 mm.		37.2	22.4		735
		" 512 mm.		60.3	30		735
		" 4920 mm.		134.7	62		735
		" 10,180 mm.		166.3	79		735
		" 15,380 mm..		186.1	91		735
		" 500 mm.		60.1	29.3	v-l	684
		" 146 mm.		30	16	v-l	979c
		" 280 mm.		45	19	v-l	979c
		" 504 mm.		60	24.8	v-l	979c
6376	C_6H_8	1,3-Cyclohexadiene	80.8	70.4	36		563
6377	C_6H_8	1,4-Cyclohexadiene	85.6	72.3			563
6378	C_6H_{10}	Biallyl	60.0	55.8	11		537
6379	C_6H_{10}	Cyclohexene	82.7	70.5	27		537
6380	C_6H_{10}	1,3-Hexadiene	72.9	Min. b.p.			221
6381	C_6H_{10}	2,4-Hexadiene	82	Min. b.p.			221
6382	C_6H_{10}	3-Methyl-1,3-pentadiene	77	Min. b.p.			221
6383	$C_6H_{10}O$	Mesityl oxide	128.3	Nonazeotrope			981
6384	C_6H_{12}	Cyclohexane, 129 mm.		26.3	18.3		924
		" 270 mm.		42.5	23.3		924
		" 434 mm.		54.1	27.1		924
		" 549 mm.		60.2	29.2		924
		" 760 mm.		69.4	32		924
		"	80.84	69.6	32.7	v-l	682
		"	80.75	68.6	33		563
		"	**80.7**	68.80	33.0	v-l	683,1049
		" 500 mm.		57.8	28.7	v-l	684
		"		69.6	32	v-l	597c
6384a	C_6H_{12}	1-Hexene 200 mm.		27.2	8.9		498m
		" 400 mm.		41.9	10.9		498m
		" 600 mm.		52.1	12.6		498m
		" 760 mm.	63.6	59.2	14.1		498m
6385	C_6H_{12}	Methylcyclopentane	72.0	63.3	25		568
6386	$C_6H_{12}O$	4-Methyl-2-pentanone	115.9	Nonazeotrope			37
6387	$C_6H_{12}O$	Pinacolone	106.2	Nonazeotrope			552
6388	$C_6H_{12}O_2$	Methyl isovalerate	116.5	Nonazeotrope			575
6389	C_6H_{14}	2,3-Dimethylbutane	58.0	53.8	9		567
6390	C_6H_{14}	Hexane	68.85	62.7	23		538
6391	$C_6H_{14}O$	Isopropyl ether	69.0	66.2	16.3		215
		"				v-l	1042g
		"	67.5	65.6	14.2	v-l	991c

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**C_3H_8O**	**Isopropyl Alcohol** *(continued)*	**82.45**			
6392	$C_6H_{14}O$	Propyl ether	90.55	78.2	52	573
6393	$C_6H_{14}O_2$	Acetal	103.55	Nonazeotrope		556
		Acetal	103.55	81.3	~ 63	573
6394	$C_6H_{14}S$	Isopropyl sulfide	120.5	Nonazeotrope		566
6395	$C_6H_{15}N$	Diisopropylamine	84.1	79.7	40	982
6396	$C_6H_{15}N$	Hexylamine	132.7	Nonazeotrope		981
6397	C_7H_8	Toluene	110.7		52	950
		"	110.6	80.6	69	982
		"	110.6	81.5	77.3	662
		" 712 mm.		79.0	76.3	662
		" 611 mm.		75.5	73.1	662
		" 513 mm.		71.0	71.8	662
		" 411 mm.		65.6	69.1	662
		"	110.7	80.6	58	50
		"		20	47.7	814
		"		40	58.8	814
		"		60	67.4	814
		"		78	73.1	814
6398	C_7H_{14}	Methylcyclohexane	100.8	77.6	53	50,537
		"	100.98	77.7	53 v-l	682
		" 500 mm.		66.5	34.2 v-l	684
6399	C_7H_{16}	Heptane 684 mm.		72.2	54.3 v-l	993
		"	78.45	76.4	50.5	527
6400	$C_7H_{16}O$	Butyl isopropyl ether	103	79	71.91	73
6401	C_8H_8	Styrene	145.8	Nonazeotrope		545
6402	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope		537
6403	C_8H_{10}	*o*-Xylene	144.3	Nonazeotrope		575
6404	C_8H_{10}	*m*-Xylene	139.0	Nonazeotrope		537
6405	C_8H_{10}	*p*-Xylene	138.2	Nonazeotrope		541
6406	C_8H_{14}	Diisobutylene	102.3	77.8	54.5	982
6407	C_8H_{16}	*trans*-1,2-Dimethylcyclohexane	123.42	81.4	79 vol. %	826
		"			~ 79	928
6408	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	81.0	78	575
6409	C_8H_{16}	*cis*-1-Ethyl-2-methylcyclopentane	128.05	82.2	83 vol. %	826
6410	C_8H_{16}	*trans*-1-Ethyl-2-methylcyclopentane	121.2	81.6	76 vol. %	826
6411	C_8H_{16}	*trans*-1-Ethyl-3-methylcyclopentane	120.8	81.4	75 vol. %	826
6412	C_8H_{16}	1,1,2-Trimethylcyclopentane	113.73	80.4	66 vol. %	826
		"			~ 67	928
6413	C_8H_{16}	1,1,3-Trimethylcyclopentane	104.9		~ 54	928
		"	104.89	78.5	53 vol. %	826

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_3H_8O**	**Isopropyl Alcohol** *(continued)*	**82.45**				
6414	C_8H_{16}	1,*cis*-2,*trans*-3-Trimethylcyclopentane	117.5	81.1	71 vol. %		826
6415	C_8H_{16}	1,*cis*-2,*trans*-4-Trimethylcyclopentane	116.73	80.9	71 vol. %		826
6416	C_8H_{16}	*cis-cis-trans*-1,2,4-Trimethylcyclopentane			~ 70		928
6417	C_8H_{18}	2,5-Dimethylhexane	109.2	79.0	62		535
6418	C_8H_{18}	Octane	124.75	81.6	84		575
6419	C_8H_{18}	2,2,4-Trimethylpentane	99.3	76.8	54		575
		"	99.3	77.3	48.5	v-l	104
6420	$C_8H_{18}O$	Isobutyl ether	122.1	Nonazeotrope			556
6421	C_9H_8	Indene	182.6	Nonazeotrope			575
6422	C_9H_{12}	Cumene	152.8	Nonazeotrope			575
6423	C_9H_{12}	Mesitylene	164.6	Nonazeotrope			540
6424	C_9H_{12}	Propylbenzene	159.3	Nonazeotrope			575
6425	$C_9H_{21}BO_3$	Isopropylborate	140.8	82	94.6		251
6426	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope			575
6427	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope			575
6428	$C_{10}H_{16}$	Camphene	159.6	Nonazeotrope			540
6429	$C_{10}H_{16}$	*d*-Limonene	177.8	Nonazeotrope			537
6430	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope			537
6431	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope			575
6432	$C_{10}H_{16}$	Thymene	179.7	Nonazeotrope			537
6433	$C_{10}H_{22}$	2,7-Dimethyloctane	160.2	Nonazeotrope			537
6434	$TiC_{12}H_{28}O_4$	Titanium isopropoxide 740 mm.		230	4		61
A =	**C_3H_8O**	**Propyl Alcohol**	**97.2**				
6435	$C_3H_8O_2$	Methylal	42.3	Nonazeotrope			575
6436	C_3H_8S	1-Propanethiol, 766 mm.	67.8	66.4	8.65		487
6437	C_4H_6O	Crotonaldehyde	102.15	< 97?			563
6438	$C_4H_6O_2$	Biacetyl	87.5	85.0	25		552
6439	$C_4H_6O_2$	Methyl acrylate	80	70.9	5.4		800
6440	$C_4H_7ClO_2$	Ethyl chloroacetate	143.55	Nonazeotrope			575
6441	C_4H_7N	Butyronitrile	118.5	Azeotrope doubtful			563
6442	C_4H_7N	Isobutyronitrile	103.85	95	70		567
6443	C_4H_7N	Pyrroline	90.9	< 89.0			575
6444	$C_4H_8Cl_2O$	1,2-Dichloroethyl ethyl ether	145.5	Nonazeotrope			575
6445	C_4H_8O	2-Butanone	79.6	Nonazeotrope			29
6446	C_4H_8OS	Ethyl thioacetate	116.6	Nonazeotrope			575
6447	$C_4H_8O_2$	Dioxane	101.35	95.3	55		527
6448	$C_4H_8O_2$	Ethyl acetate	77.05	Nonazeotrope			834
		" 40°-60°C.		Nonazeotrope		v-l	674
6449	$C_4H_8O_2$	Methyl propionate	79.85	Nonazeotrope			532
6450	$C_4H_8O_2$	Propyl formate	80.9	80.6	9.8		359
		"	80.8	80.65	< 3		572

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_3H_8O**	**Propyl Alcohol** *(continued)*	**97.2**				
6451	C_4H_8S	Tetrahydrothiophene	118.8	96.5	90		555
6452	$C_{44}H_9Br$	1-Bromobutane	100.3	89.5	29		573
6453	C_4H_9Br	2-Bromobutane	91.2	85.3	20.5		567
6454	$C_{44}H_9Br$	1-Bromo-2-methyl-propane	89.2	86.1 B.p. curve	19.25		389,555
6455	C_4H_9Br	2-Bromo-2-methyl-propane	73.3	72.3			563
6456	C_4H_9Cl	1-Chlorobutane	78.05	74.8	~ 18		573
6457	C_4H_9Cl	2-Chlorobutane	68.25	67.2	> 9		567
6458	C_4H_9Cl	1-Chloro-2-methyl-propane	68.85	67.7	22		572
6459	C_4H_9Cl	2-Chloro-2-methyl-propane	68.25	67.2	> 9		575
6460	C_4H_9I	1-Iodobutane	130.4	96.2	66		567
6461	C_4H_9I	1-Iodo-2-methylpropane	120	93	45		573,834
6462	C_4H_9I	2-Iodobutane	120.0	94.5	53		575
6463	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	Nonazeotrope			549
6464	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope			556
6465	$C_4H_{10}O$	Isobutyl alcohol	108.0	Nonazeotrope			834
6466	$C_4H_{10}O_2$	Acetaldehyde dimethyl acetal	64.3	Nonazeotrope Nonazeotrope			575 575
6467	$C_4H_{10}S$	Butanethiol	97.5	< 92.0	<41		575
6468	$C_4H_{10}S$	Ethyl sulfide	92.2	85.5	28		555
6469	C_5H_5N	Pyridine	115.4	Nonazeotrope			553
6470	C_5H_7N	*N*-Methylpyrrol	112.8	Nonazeotrope			575
6471	$C_5H_9ClO_2$	Propyl chloroacetate	162.3	Nonazeotrope			121
6472	$C_5H_{10}O$	3-Methyl-2-butanone	95.4	93.5	35		552
6473	$C_5H_{10}O$	2-Pentanone	102.35	96.0	68		552
6474	$C_5H_{10}O$	3-Pentanone	102.05	96.0	63		552
		"	101.8	94.9	57		981
6475	$C_5H_{10}O_2$	Butyl formate	106.8	95.5	64		567
6476	$C_5H_{10}O_2$	Ethyl propionate	99.1	93.4	51		563
6477	$C_5H_{10}O_2$	Isobutyl formate	97.9	93.2	40		532
6478	$C_5H_{10}O_2$	Methyl butyrate	102.65	94.4	47		572
6479	$C_5H_{10}O_2$	Methyl isobutyrate	92.3	89.5	~ 26		532
6480	$C_5H_{10}O_2$	Propyl acetate	101.6	94.2	40		359,572
		"	101.6	94.7	49	v-l	752
		" 200 mm.		59.96	31.4	v-l	890
		" 400 mm.		77.06	39.2	v-l	890
		" 600 mm.		88.04	44.8	v-l	890
		" 760 mm.		94.7	48.9	v-l	890
6481	$C_5H_{11}Br$	1-Bromo-3-methyl-butane	118.2	94.0 B.p. curve	70.7		446,555
6482	$C_5H_{11}Cl$	1-Chloro-3-methyl-butane	99.8	89.4	31		553

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_3H_8O**	**Propyl Alcohol** *(continued)*	**97.2**				
6483	$C_5H_{11}I$	1-Iodo-3-methylbuatne	146.5	Nonazeotrope			446
6484	C_5H_{12}	Pentane	36.15	Nonazeotrope			537
6485	$C_5H_{12}O$	Ethyl propyl ether	63.85	Nonazeotrope			575
6486	$C_5H_{12}O$	Isoamyl alcohol	131.9	Nonazeotrope			575
6487	$C_5H_{12}O_2$	Diethoxymethane	88.0	86.15	11		1035
6488	C_6H_5Br	Bromobenzene	156.1	Nonazeotrope			575
6489	C_6H_5Cl	Chlorobenzene		96.9	63		573
		"	132	96.5	80		981
6490	C_6H_5F	Fluorobenzene	85.15	80.2	18		545
6491	C_6H_6	Benzene	80.2	77.12	16.9		1044,1051
		"		76-77	16.5		834
		"		0	4.5		775
		"		35.5	12		775
		"		76.5	21		775
		" 10.5 atm.		160	45		775
		" 239 mm.		45	10.5	v-l	93
		" 44.7-309.7 p.s.i.g.		Effect of press.		v-l	785
		" 123 mm.		28.0	8.0		924,1011
		" 289 mm.		49.8	11.6		924,1011
		" 423 mm.		59.9	13.6		924,1011
		" 610 mm.		70.1	15.7		924,1011
		" 760 mm.		77.10	17.1		924,1011
		" 342 mm.		53.7	12.3		735
		" 573 mm.		68.6	15.3		735
		" 2420 mm.		117.6	27.5		735
		" 5020 mm.		147.5	37		735
		" 10,050 mm.		183.8	50.5		735
		" 18,200 mm.		218.3	66.1		735
		"		Azeotropic at crit pt.		v-l	888
		"	80.1	77.1	17.9	v-l	661
		" 711 mm.		75	17.4	v-l	302c
6492	C_6H_8	1,3-Cyclohexadiene	80.4	75.8	20		537
6493	C_6H_{10}	Cyclohexene	82.75	76.6	21.6		563
6494	C_6H_{10}	Methylcyclopentene	75.85	< 71.7	<13		567
6495	C_6H_{12}	Cyclohexane	80.75	74.3	20		563
		" 161 mm.		33.8	9.9		924
		" 250 mm.		44.3	11.8		924
		" 429 mm.		58.0	15.0		924
		" 560 mm.		65.4	16.5		924
		" 760 mm.		74.69	18.5		924
		" 4-15 atm.		Effect of press.			786
		"	80.7	75.0	16.8	v-l	661
		"	80.7	74.7	19.82	v-l	100
		" 652.6 mm.		70	18.82	v-l	100
		" 453.3 mm.		59.81	16.6	v-l	100
		" 311.6 mm.		49.86	14.3	v-l	100

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_3H_8O**	**Propyl Alcohol** *(continued)*	**97.2**				
6495a	C_6H_{12}	1-Hexene	63.6	Nonazeotrope			498m
6496	C_6H_{12}	Methylcyclopentane	72.0	68.5	7		567
6497	$C_6H_{12}O$	2-Methylpentanal	118.3	95	86		981
6498	$C_6H_{12}O$	Pinacolone	106.2	Nonazeotrope			548
6499	$C_6H_{12}O_2$	Ethyl butyrate	120.0	Nonazeotrope			536
6500	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	96.8			536
6501	$C_6H_{12}O_2$	Isobutyl acetate	117.2	Nonazeotrope			532
6502	$C_6H_{12}O_2$	Methyl isovalerate	116.3	Nonazeotrope			536
6503	$C_6H_{12}O_2$	Propyl propionate	123.0	Nonazeotrope			575
6504	$C_6H_{12}O_3$	Paraldehyde	123.9	Nonazeotrope			576
6505	C_6H_{14}	2,3-Dimethylbutane	58.0	< 56.8	< 6		567
6506	C_6H_{14}	Hexane	68.95	65.65	4		563
6507	$C_6H_{14}O$	Propyl ether	90.7	85.8	32.2		545,760
6508	$C_6H_{14}O_2$	Acetal	103.55	92.4	37		572
6509	$C_6H_{14}O_2$	Ethoxypropoxymethane	113.7	Nonazeotrope			1035
6510	$C_6H_{16}OSi$	(Trimethylsiloxy) propane, 735 mm.	100.3	87.5			520
6511	$C_6H_{18}OSi_2$	Hexamethyldisiloxane	99.85	85.15	27.4	v-l	458
6512	C_7H_8	Toluene	110.7		50.5		950
		"	110.6	92.6	49		981
		"	110.7	92.6	51.5	v-l	595
		"	110.6	92.5	51.2		662
		" 710 mm.		90.5	50.3		662
		" 612 mm.		86.0	48.3		662
		" 513 mm.		82.0	46.6		662
		" 413 mm.		75.5	44.2		662
		"	110.7	92.6	43		51,537, 834,1051
				0.5	19.5		814
				25	29.2		814
				50	38.9		814
				71.1	45.5		814
				91.1	50.5		814
6513	C_7H_{14}	Methylcyclohexane	100.8	86.3	35		50
		"	100.8	87.0	34.8	v-l	778f
6514	C_7H_{16}	*n*-Heptane	98.45	87.5	36		573
		"	98.4	84.6	34.7		351
		" 552 mm.		75	33.8	v-l	577c
		" 643 mm.		75	32	v-l	302c
6515	$C_7H_{16}O_2$	Dipropoxymethane	137.2	Nonazeotrope			324
6516	C_8H_8	Styrene	145.8	97.0	8		545
		" 50 mm.		38.5	84	v-l	617
				% PrOH increases with press.			617
6517	C_8H_{10}	Ethylbenzene, 50 mm.		% PrOH increases with press.			617

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_3H_8O**	**Propyl Alcohol** *(continued)*	**97.2**				
				96.85	91.5	v-l	587
		" 60 mm.	60.5	41	68		53
		"	136	Nonazeotrope			541
6518	C_8H_{10}	*m*-Xylene	139.2	97.08	94		527
6519	C_8H_{10}	*o*-Xylene	143.6	Nonazeotrope			545
6520	C_8H_{10}	*p*-Xylene	138.4	96.88	92.2	v-l	308c
		"	138.45	97.0			575
		"	138.4		92		950
6521	C_8H_{16}	1,3-Dimethylcyclohexane	120.5	< 94	<70		563
6522	C_8H_{18}	2,5-Dimethylhexane	109.2	89.5	47		545
6523	C_8H_{18}	Octane	125.6	93.9	70		537
6524	C_8H_{18}	2,2,4-Trimethylpentane	99.3	< 85.3	<41		575
6525	$C_8H_{18}O$	Isobutyl ether	122.3	Nonazeotrope			556
		"	122.1	96.8			576
6526	$C_8H_{18}O_2$	1,1-Dipropoxyethane	147.7	Nonazeotrope			45
6527	C_9H_8	Indene	182.6	Nonazeotrope			575
6528	C_9H_{12}	Cumene	152.8	Nonazeotrope			575
6529	C_9H_{12}	Mesitylene	164.6	Nonazeotrope			537
6530	C_9H_{12}	Propylbenzene	158.9	Nonazeotrope			541
6531	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope			540
6532	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope			575
6533	$C_{10}H_{16}$	Camphene	159.6	Nonazeotrope			540
6534	$C_{10}H_{16}$	*d*-Limonene	177.8	Nonazeotrope			537
6535	$C_{10}H_{16}$	α-Pinene	155.8	97.1	98-99?		563
6536	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope			575
A =	**C_3H_8OS**	**2-(Methylthio)ethanol**					
6537	$C_5H_{10}OS$	2-Methylthioethyl vinyl ether, 22 mm.		75	20		953
A =	**$C_3H_8O_2$**	**2-Methoxyethanol**	**124.5**				
6538	$C_4H_4N_2$	Pyrazine	117.2	Nonazeotrope			575
6539	C_4H_5N	Pyrrol	130.0	Nonazeotrope			527
6540	$C_4H_7ClO_2$	Ethyl chloroacetate	143.45	Nonazeotrope			575
6541	$C_4H_8O_2$	Dioxane	101.35	Nonazeotrope			527
6542	$C_4H_8O_3$	Methyl lactate	143.8	Nonazeotrope			575
6543	C_4H_9I	1-Iodobutane	130.4	115.5			526
6544	C_4H_9I	1-Iodo-2-methylpropane	120.8	110.5	25		526
6545	$C_4H_9NO_3$	Isobutyl nitrate	123.5	< 115.0	<44		560
6546	$C_4H_{10}O$	Butyl alcohol	117.8	Nonazeotrope			526
6547	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	Nonazeotrope			575
6548	$C_4H_{10}O$	Isobutyl alcohol	108.0	Nonazeotrope			575
6549	$C_5H_4O_2$	2-Furaldehyde	161.45	Nonazeotrope			575
6550	C_5H_5N	Pyridine	115.4	Nonazeotrope			553
6551	C_5H_7N	1-Methylpyrrol	112.8	Nonazeotrope			575
6552	C_5H_9N	Isovaleronitrile	130.5	< 130.0			575
6553	C_5H_9N	Valeronitrile	141.3	Nonazeotrope			556
6554	$C_5H_{10}O$	Cyclopentanol	140.85	Nonazeotrope			575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_3H_8O_2$**	**2-Methoxyethanol** *(continued)*	**124.5**				
6555	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	Nonazeotrope			556
6556	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	111.5	20		526
6557	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.4	Nonazeotrope			526
6558	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	Nonazeotrope			526
6559	$C_5H_{11}NO_3$	Isoamyl nitrate	149.75	Nonazeotrope			556
6560	$C_5H_{12}O$	Amyl alcohol	138.2	Nonazeotrope			575
6561	$C_5H_{12}O$	*tert*-Amyl alcohol	102.15	Nonazeotrope			575
6562	$C_5H_{12}O$	Isoamyl alcohol	131.9	Nonazeotrope			527
6563	$C_5H_{12}O$	2-Pentanol	119.8	119.7	4		526
6564	$C_5H_{12}O$	3-Pentanol	116.0	Nonazeotrope			575
6565	$C_5H_{12}O_3$	2-(2-Methoxyethoxy)-ethanol	192.95	Nonazeotrope			884
6566	C_6H_5Cl	Chlorobenzene	131	119.45	47.5		527
6567	C_6H_6	Benzene		Nonazeotrope			556
		"	80.1	Nonazeotrope		v-l	961
6568	C_6H_6O	Phenol	181.2	Nonazeotrope			575
6569	C_6H_7N	2-Picoline	130.7	Nonazeotrope			575
6570	$C_6H_{10}O$	Mesityl oxide	129.45	122.5	59		552
6571	$C_6H_{10}S$	Allyl sulfide	139	122.5	75		555
6572	C_6H_{12}	Cyclohexane	80.75	< 79.8	8		575
		"	80.7	Nonazeotrope			981
		"		77.5	15	v-l	961
6573	$C_6H_{12}O$	2-Hexanone	127.2	< 121.5	<56		552
6574	$C_6H_{12}O$	3-Hexanone	123.3	< 119.5	<43		552
6575	$C_6H_{12}O$	4-Methyl-2-petanone	116.05	114.2	25		527
6576	$C_6H_{12}O_2$	Butyl acetate	126.0	119.45	48		556
6577	$C_6H_{12}O_2$	Ethyl butyrate	121.5	117.8	32		556
6578	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	Nonazeotrope			526
6579	$C_6H_{12}O_2$	Isoamyl formate	123.8	119.25	40		556
6580	$C_6H_{12}O_2$	Isobutyl acetate	117.2	115.5	16		556
6581	$C_6H_{12}O_2$	Methyl isovalerate	116.5	115.0	15		526
6582	$C_6H_{12}O_2$	Propyl propionate	123.0	118.5	38		526
6583	$C_6H_{12}O_3$	2-Ethoxy ethyl acetate	156.8	Nonazeotrope			556
6584	$C_6H_{12}O_3$	Paraldehyde	124.35	118.6	35		556
6585	$C_6H_{14}O$	Propyl ether	90.1	Nonazeotrope			556
6586	C_7H_8	Toluene	110.75	106.1	25.5		527
6587	C_7H_8O	Anisole	153.85	Nonazeotrope			556
6588	C_7H_{14}	*trans*-2-Heptene	98.0	92.9	19 vol. %		826
6589	C_7H_{14}	Methylcyclohexane	101.15	94.2	25		556
6590	$C_7H_{14}O_2$	Isoamyl acetate	142.1	Nonazeotrope			526
6591	$C_7H_{14}O_2$	Isobutyl propionate	137.5	Nonazeotrope			526
6592	C_7H_{16}	Heptane	98.4	92.5	23		527
6593	$C_7H_{16}O_2$	1-*tert*-Butoxy-2-methoxyethane		119	45		215
6594	$C_7H_{16}O_4$	2-[2-(2-Methoxyethoxy)-ethoxy]ethanol	245.25	Nonazeotrope			575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_3H_6O_2$**	**2-Methoxyethanol *(continued)***	**124.5**				
6595	C_8H_8	Styrene	145.8	121.0	62		567
		" 742 mm.		120.8	72		311
		" 100 mm.		69.5	62		311
		" 60 mm.		57.5	60		311
		" 40 mm.		49.6	59		311
		" 60 mm.				v-l	311c
		" 57 mm.	67.9	54.8	62 vol. %		826
		" 62 mm.		56.8	50.1	v-l	421
6596	C_8H_{10}	Ethylbenzene 62 mm.		51.9	34.3	v-l	421
		"	136	117	51.2		65
		" 62 mm.		51	39		65
		" 60 mm.	60.5	51	43		53,556
6597	C_8H_{10}	*m*-Xylene	139.2	119.5	58		527
		" 748 mm.		119.0	56		311
		" 100 mm.		65.5	47		311
		" 60 mm.		53.5	45	v-l	311,311c
"		" 40 mm.		45.5	44		311
6598	C_8H_{10}	*o*-Xylene 741 mm.		119.5	64		311
		" 100 mm.		67.5	56		311
		" 60 mm.		54.5	54	v-l	311,311c
		o-Xylene 40 mm.		47.5	52		311
		"	144.3	121.0	63		526
6599	C_8H_{10}	*m,p*-Xylene	139	120			514
6600	C_8H_{10}	Xylenes	140	Min. b.p.			65
6601	C_8H_{10}	*p*-Xylene 750 mm.		119.5	55		311
		" 100 mm.		65.5	46		311
		" 60 mm.		53.6	44	v-l	311,311c
		" 40 mm.		45.5	42		311
		"	138.35	119.3	54 vol. %		826
6602	C_8H_{12}	4-Vinylcyclohexene, 57 mm.		44.4	30 vol. %		826
6603	C_8H_{16}	*cis*-1,3-Dimethylcyclohexane	120.9	105.6	36 vol. %		826
6604	C_8H_{16}	*trans*-1-Ethyl-2-methylcyclopentane	121.2	106.3	32 vol. %		826
6605	C_8H_{16}	*trans*-1-Ethyl-3-methylcyclopentane	120.8	106.0	35 vol. %		826
6606	C_8H_{16}	1,1,3-Trimethylcyclopentane	104.89	96.7	20 vol. %		826
		"	104.9		~ 20		928
6607	C_8H_{16}	1,*cis*-2,*cis*-3-Trimethylcyclopentane	123.0	107.4	35 vol. %		826
6608	C_8H_{16}	1,*trans*-2,*cis*-3-Trimethylcyclopentane	110.2	100.2	20 vol. %		826
6609	C_8H_{16}	2,4,4-Trimethyl-1-pentene	101.44	95.5	20 vol. %		
6610	$C_8H_{16}O_2$	Propyl isovalerate	155.7	Nonazeotrope			526

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_3H_8O_2$**	**2-Methoxyethanol** *(continued)*	**124.5**			
6611	C_8H_{18}	2,5-Dimethylhexane	109.4	100.0	33	556
6612	C_8H_{18}	2,4-Dimethylhexane	109.4		~ 25	928
		"	109.43	99.3	26 vol. %	826
6613	C_8H_{18}	2,2,3-Trimethylpentane	109.84	99.7	25 vol. %	826
		"	109.8		~ 24	928
6614	C_8H_{18}	Octane	125.75	110.0	48	556
6615	$C_8H_{18}O$	Butyl ether	142.4	122.0	68	526
6616	$C_8H_{18}O$	Isobutyl ether	122.3	115.0	48	556
6617	C_9H_{12}	Cumene	152.8	122.4	73.5	527
6618	C_9H_{12}	Mesitylene	164.6	< 124.3		575
		"	164.6	Nonazeotrope		526
6619	C_9H_{12}	Propylbenzene	159.3	< 124.0	>82	575
		"	159.3	Nonazeotrope		556
6620	C_9H_{18}	1,1,3-Trimethylcyclohexane	136.6	113.1	41 vol. %	826
6621	C_9H_{20}	2,2,3,4-Tetramethylpentane	133.02	111.4	39 vol. %	826
		"			~ 42	928
6622	C_9H_{20}	2,3,4-Trimethylhexane	139.0	113.5	39 vol. %	826
6623	C_9H_{20}	2,3,5-Trimethylhexane	131.34	110.6	40 vol. %	826
6624	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		575
6625	$C_{10}H_{16}$	Camphene	159.6	121.0	70	526
6626	$C_{10}H_{16}$	Nopinene	163.8	121.8	5	567
6627	$C_{10}H_{16}$	α-Pinene	155.8	120.2	66	526
6628	$C_{10}H_{22}$	Decane	173.3	<123.5	<92	575
6629	$C_{10}H_{22}$	2,7-Dimethyloctane	160.1	121.0	70	526
A =	**$C_3H_8O_2$**	**Methylal**	**42.3**			
6630	C_3H_8S	Propanethiol	67.3	Nonazeotrope		575
6631	C_3H_9N	Propylamine	49.7	Nonazeotrope		551
6632	C_4H_9Cl	2-Chloro-2-methylpropane	50.8	Nonazeotrope		559
6633	$C_4H_{10}O$	Methyl propyl ether	38.9	Nonazeotrope		561
6634	$C_4H_{11}N$	Diethylamine	55.9	Nonazeotrope		551
6635	C_5H_8	3-Methyl-1,2-pentadiene	40.8	38.0	45	558
6636	C_5H_8	Isoprene	34.3	32.8	30	558
		"		Nonazeotrope		581c
6637	C_5H_{10}	Cyclopentane	49.3	40.0	62	558
6638	C_5H_{10}	3-Methyl-1-butene	21.5	Nonazeotrope		558
6639	C_5H_{10}	2-Methyl-2-butene	37.15	35.2	32	558
6640	C_5H_{10}	1-Pentene	30.1	29.8	26 vol.	836
6641	C_5H_{10}	2-Pentene	36.5	34.9	29 vol.	836
6642	C_5H_{12}	2-Methylbutane	27.9	24.1	30 vol.	836
		"	27.95	27.0	23	558
6643	C_5H_{12}	Pentane	36.08	31.5	28 vol.	836
		"	36.15	33.6	35	558
6643a	$C_5H_{12}O$	*tert*-Butyl methyl ether	55	Nonazeotrope		581c
6644	C_6H_6	Benzene	80.15	Nonazeotrope		575
6645	C_6H_{10}	Biallyl	60.1	41.8	85	558

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_3H_8O_2$**	**Methylal *(continued)***	**42.3**				
6646	C_6H_{14}	2,3-Dimethylbutane	58.0	41.5	80		558
6647	C_6H_{14}	Hexane	68.85	Nonazeotrope			558
A =	**$C_3H_8O_2$**	**1,2-Propanediol**	**187.8**				
6648	C_4H_5N	Pyrrol	130.0	Nonazeotrope			575
6649	C_4H_5NS	Allyl isothiocyanate	152.05	< 151.5			575
6650	$C_4H_8Br_2O$	Bis(2-bromoethyl) ether		176-180			215
6650a	$C_4H_{10}O_2$	1-Methoxy-2-propanol	120.8	Nonazeotrope			313c
6651	$C_5H_{10}O_2$	3-Vinyloxypropanol		Min. b.p.			263
6652	C_6H_5ClO	*p*-Chlorophenol	219.75	Nonazeotrope			575
6653	$C_6H_5NO_3$	*o*-Nitrophenol	217.2	< 186.0	>62		575
6654	C_6H_6	Benzene	80.1	Nonazeotrope			981
6655	C_6H_7N	Aniline	184.35	179.5	43		551
6655a	$C_6H_{12}O_2$	Butyl acetate 730 mm.		Nonazeotrope		v-l	684b
6656	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope			575
6657	$C_6H_{14}O_3$	Dipropylene glycol, 10 mm.		Nonazeotrope		v-l	183
6658	C_7H_8	Toluene	110.6	110.5	1.5		982
6659	C_7H_8O	*p*-Cresol	201.8	Azeotrope doubtful			563
6660	$C_7H_8O_2$	*m*-Methoxyphenol	243.8	242.2	~ 7		575
6661	C_7H_9N	Methylaniline	196.25	< 181.0	>46		551
6662	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	<170			575
6662a	$C_7H_{16}O_2$	1-Butoxy-2-propanol	170	Nonazeotrope			313c
6662b	$C_7H_{16}O_3$	Dipropylene glycol methyl ether		183.7	40.38		313c
		" 10 mm.			2.57		313c
6663	C_8H_6O	Coumarone	173	Azeo. distillation			330
6664	C_8H_8O	Acetophenone	202.0	< 183.5			552
6665	C_8H_{10}	*o*-Xylene	144.4	135.8	10		982
6665a	$C_8H_{10}O$	2,6-Dimethylphenol		Min. b.p.			738c
6666	$C_8H_{11}N$	Dimethylaniline	194.05	< 177.0	>45		551
6667	$C_8H_{16}O$	2-Octanone	172.85	<169.5			552
6668	$C_8H_{18}O$	Butyl ether	142.1	136			981,982
6669	C_9H_8	Indene	182.4	Min. b.p.			276
6670	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	< 174.0	37		551
6671	$C_9H_{13}N$	*N,N*-Dimethyl-*p*-toluidine	210.2	178.0	60		575
6672	$C_{10}H_8$	Naphthalene	218.1	Azeo. distillation			330
6673	$C_{10}H_{16}O$	Camphor	209.1	< 185.0			552
6674	$C_{10}H_{18}O$	Menthone	209.5	< 185.0	<85		552
6674a	$C_{10}H_{22}O_3$	Dipropylene glycol butyl ether		186.5	93.30		313c
		" 10 mm.			79.08		313c
6675	$C_{10}H_{22}O_4$	Tripropylene glycol methyl ether, 50 mm.		Nonazeotrope			215
6676	$C_{12}H_{26}$	Dodecane	216	175	67		183
		" 743 mm.	216	175			424
		" 200 mm.		137			424

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No.	Formula	B-Component Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_3H_8O_2$**	**1,2-Propanediol** *(continued)*		**187.8**		
		" 150 mm.		130		424
		" 100 mm.	145	120.5	60	424
		" 50 mm.		105.7		424
6677	$C_{14}H_{30}$	Tetradecane, 748 mm.	252.5	179	70	424
		" 200 mm.		142.5		424
		" 150 mm.		135		424
		" 100 mm.		126		424
		" 50 mm.		111		424
		"	252.5	179	76	183
6678	$C_{16}H_{34}O$	Bis(2-ethylhexyl) ether, 10 mm.	135	84		982
A =	**$C_3H_8O_2$**	**1,3-Propanediol**	**214**			
6679	$C_5H_{10}O_2$	3-Vinyloxy-1-propanol			10-15	216
6679a	$C_8H_{10}O$	2,6-Dimethylphenol		Min. b.p.		738c
A =	**$C_3H_8O_3$**	**Glycerol**	**290.5**			
6680	$C_4H_{10}O_3$	Diethylene glycol	245.5	Nonazeotrope		526
6681	$C_6H_4Br_2$	*p*-Dibromobenzene	220.25	217.1	10	574
6682	$C_6H_4ClNO_2$	*m*-Chloronitrobenzene	235.5	232.2	10	554
6683	$C_6H_4ClNO_2$	*o*-Chloronitrobenzene	246.0	242.1	15?	554
6684	$C_6H_4ClNO_2$	*p*-Chloronitrobenzene	239.1	235.6	13	554
6685	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope		530
6686	$C_6H_6O_2$	Pyrocatechol	245.9	Nonazeotrope		542
6687	$C_6H_6O_2$	Resorcinol	281.4	Nonazeotrope		542
6688	$C_6H_8O_4$	Methyl maleate	204.05	Nonazeotrope		575
6689	$C_6H_{10}O_4$	Ethyl oxalate	185.65	Nonazeotrope		575
6690	$C_6H_{10}O_4$	Glycol diacetate	186.3	Nonazeotrope		575
6691	$C_6H_{14}O_4$	Triethylene glycol	288.7	285.1	37	527
6692	$C_7H_7NO_2$	*m*-Nitrotoluene	230.8	228.8	13	554
6693	$C_7H_7NO_2$	*o*-Nitrotoluene	221.75	220.7	8	554
6694	$C_7H_7NO_2$	*p*-Nitrotoluene	238.9	235.6	17	554
6695	C_7H_8	Toluene	110.75	Nonazeotrope		537
6696	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope		542
6697	C_7H_8O	*p*-Cresol	201.7	Nonazeotrope		544
6698	$C_7H_8O_2$	Guaiacol	205.05	Nonazeotrope		556
6699	C_8H_8	Styrene	145.8	Nonazeotrope		540
6700	$C_8H_8O_2$	Benzyl formate	202.3	Nonazeotrope		537
6701	$C_8H_8O_2$	Methyl benzoate	199.45	Nonazeotrope		537
6702	$C_8H_8O_2$	Phenyl acetate	195.7	Nonazeotrope		575
6703	$C_8H_8O_3$	Methyl salicylate	222.35	221.4	7.5	537
6704	C_8H_{10}	*m*-Xylene	139.0	Nonazeotrope		527
6705	C_8H_{10}	*o*-Xylene	143.6	Nonazeotrope		537
6706	$C_8H_{10}O$	Phenethyl alcohol	219.4	Nonazeotrope		549
6707	$C_8H_{10}O$	3,4-Xylenol	226.8	Nonazeotrope		575
6708	$C_8H_{10}O_2$	*m*-Dimethoxybenzene	214.7	212.5	7	576
6709	$C_8H_{10}O_2$	*o*-Ethoxyphenol	216.5	Nonazeotrope		575
6710	$C_8H_{12}O_4$	Ethyl fumarate	217.85	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_3H_8O_3$**	**Glycerol** *(continued)*	**290.5**			
6711	$C_8H_{12}O_4$	Ethyl maleate	223.3	Nonazeotrope		575
6712	C_8H_{18}	2,5-Dimethylhexane	109.4	Nonazeotrope		575
6713	$C_8H_{18}O_3$	2-(2-Butoxyethoxy)ethanol	231.2	Nonazeotrope		575
6714	C_9H_7N	Quinoline	237.3	Nonazeotrope		553
6715	C_9H_8	Indene	182.6	182.4	2	575
6716	$C_9H_{10}O$	*p*-Methylacetophenone	226.35	Nonazeotrope		552
6717	$C_9H_{10}O_2$	Benzyl acetate	214.9	Nonazeotrope		536
6718	$C_9H_{10}O_2$	Ethyl benzoate	212.6	Nonazeotrope		536
6719	$C_9H_{10}O_3$	Ethyl salicylate	233.7	230.5	10.3	537
6720	C_9H_{12}	Mesitylene	164.6	Nonazeotrope		537
6721	C_9H_{12}	Propylbenzene	158.8	Nonazeotrope		540
6722	$C_9H_{12}O$	3-Phenylpropanol	235.6	Nonazeotrope		549
6723	$C_9H_{12}O$	Phenyl propyl ether	190.5	190.0	< 8	575
6724	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	Nonazeotrope		575
6725	$C_{10}H_7Br$	1-Bromonaphthalene	281.0	272.5		575
6726	$C_{10}H_7Cl$	1-Chloronaphthalene	262.7	256.0	17	575
6727	$C_{10}H_8$	Naphthalene	218.05	215.2	10	530
6728	$C_{10}H_{10}O_2$	Isosafrole	252.0	243.8	~ 16	538
6729	$C_{10}H_{10}O_2$	Methyl cinnamate	261.9	Reacts		535
6730	$C_{10}H_{10}O_2$	Safrol	235.9	231.3	14.5	530
6731	$C_{10}H_{10}O_4$	Methyl phthalate	283.2	271.5	31	567
6732	$C_{10}H_{12}O$	Anethol	235.7	230.8	14	556
6733	$C_{10}H_{12}O$	Estragol	215.6	213.5	7.5	545
6734	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.75	228.6	7	530
6735	$C_{10}H_{12}O_2$	Eugenol	254.5	251.3	14	556
6736	$C_{10}H_{12}O_2$	Isoeugenol	268.8	263.5	25	575
6737	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	228.8	8	536
6738	$C_{10}H_{14}$	Butylbenzene	183.1	< 182.9		575
6739	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		575
6740	$C_{10}H_{14}O$	Carvacrol	237.85	Nonazeotrope		575
6741	$C_{10}H_{14}O$	Carvone	231.0	230.85	3	552
6742	$C_{10}H_{14}O$	Thymol	232.8	Nonazeotrope		530
6743	$C_{10}H_{14}O_2$	*m*-Diethoxybenzene	235.4	231.0	13	576
6744	$C_{10}H_{16}$	Camphene	159.6	Nonazeotrope		537
6745	$C_{10}H_{16}$	*d*-Limonene	177.8	177.7	~ 1	537
6746	$C_{10}H_{16}$	α-Pinene	155.6	Nonazeotrope		537
6747	$C_{10}H_{16}$	Nopinene	163.8	Nonazeotrope		575
6748	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope		575
6749	$C_{10}H_{16}$	Terpinolene	184.6	184.2		575
6750	$C_{10}H_{16}$	Thymene	179.7	179.6	1	541
6751	$C_{10}H_{18}O$	α-Terpineol	218.85	Nonazeotrope		575
6752	$C_{10}H_{20}O$	Menthol	216.3	Nonazeotrope		575
6753	$C_{10}H_{20}O_2$	Ethyl caprylate	208.35	Nonazeotrope		575
6754	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope		575
6755	$C_{10}H_{20}O_2$	Methyl pelargonate	213.8	Nonazeotrope		575
6756	$C_{10}H_{22}$	Decane	173.3	Nonazeotrope		575
6757	$C_{10}H_{22}$	2,7-Dimethyloctane	160.1	Nonazeotrope		575
6758	$C_{11}H_{10}$	1-Methylnaphthalene	244.9	237.25	~ 18	537

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_3H_8O_3$**	**Glycerol *(continued)***	**290.5**				
6759	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	233.7	16.5		569
6760	$C_{11}H_{12}O_2$	Ethyl cinnamate	271.5	Reacts			536
6761	$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethoxybenzene	255.0	248.3	18		538
6762	$C_{11}H_{14}O_2$	Butyl benzoate	249.8	243	17		536
6763	$C_{11}H_{14}O_2$	1,2-Dimethoxy-4-propenylbenzene	270.5	258.4	25		574
6764	$C_{11}H_{14}O_2$	Ethyl β-phenyl propionate	248.1	242.0	15		567
6765	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	~ 237.4	14		536
6766	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	< 192.0	7.5		575
6767	$C_{11}H_{20}O$	Terpineol methyl ether	216.2	214.0	8		545
6768	$C_{12}H_{10}$	Acenaphthene	277.9	259.1	29		543
6769	$C_{12}H_{10}$	Biphenyl	254.9	246.1	25		564
6770	$C_{12}H_{10}O$	Phenyl ether	259.3	247.9	22		530
6771	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.05	251.6	22		536
6772	$C_{12}H_{16}O_3$	Isoamyl salicylate	279	267			545
6773	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	212.9	8		538
6774	$C_{12}H_{20}O_2$	Bornyl acetate	227.7	226.0	10		530
6775	$C_{12}H_{22}O$	Bornyl ethyl ether	204.9	203.5	~ 5		575
6776	$C_{13}H_{10}O_2$	Phenyl benzoate	315	279	~ 55		536
6777	$C_{13}H_{12}$	Diphenylmethane	265.6	250.8	27		530
6778	$C_{13}H_{12}O$	Benzyl phenyl ether	286.5	264.5	30		567
6779	$C_{14}H_{12}O_2$	Benzyl benzoate	324	282.5			536
6780	$C_{14}H_{14}$	1,2-Diphenylethane	284	261.3	32		537
6781	$C_{14}H_{14}O$	Benzyl ether	297.0	269.5	36		567
A =	**C_3H_8S**	**Ethyl Methyl Sulfide**	**66.61**				
6782	C_6H_{12}	Cyclohexane	80.35	Nonazeotrope			205
6783	C_6H_{12}	1-Hexene	63.50	62.71	29.4		205
6784	C_6H_{12}	Methylcyclopentane	71.85	65.59	64.1		205
6785	C_6H_{14}	2,3-Dimethylbutane	58.10	57.41	18.7		205
6786	C_6H_{14}	Hexane	68.75	63.94	56.6		205
6787	C_7H_{16}	2,2-Dimethylpentane	79.20	66.37	88.2		205
A =	**C_3H_8S**	**1-Propanethiol**	**67.3**				
6788	C_4H_4S	Thiophene	84.7	Nonazeotrope			575
6789	C_4H_8O	2-Butanone	79.6	~ 55.5	~ 75		563
6790	C_5H_8	3-Methyl-1,2-butadiene	40.8	Reacts			563
6791	C_5H_{10}	Cyclopentane	49.4	Nonazeotrope			566
6792	C_5H_{10}	2-Methyl-2-butene	37.15	Nonazeotrope			563
6793	C_5H_{12}	Pentane	36.07	Nonazeotrope			202
6794	$C_5H_{12}O$	Ethyl propyl ether	63.85	< 63.5	> 9		575
6795	C_6H_6	Benzene	80.103	Nonazeotrope			202
6796	C_6H_{10}	Biallyl	60.2	Reacts			575
6797	C_6H_{12}	Cyclohexane	80.738	67.77	97.6		202
6798	C_6H_{12}	Methylcyclopentane	71.812	60.45	64.2	v-l	202
6799	C_6H_{14}	2,2-Dimethylbutane	49.743	Nonazeotrope			202
6800	C_6H_{14}	2,3-Dimethylbutane	57.990	57.54	16.3		202
6801	C_6H_{14}	Hexane	68.742	64.35	52.6	v-l	202,566

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_3H_8S**	**1-Propanethiol** *(continued)*	**67.3**				
6802	C_6H_{14}	2-Methylpentane	60.274	59.20	23.9	v-l	202
6803	C_6H_{14}	3-Methylpentane	63.284	61.26	34.2		202
6804	$C_6H_{14}O$	Isopropyl ether	68.3	66.0	65		562
6805	C_7H_{16}	2,2-Dimethylpentane	79.205	67.20	81.3		202
6806	C_7H_{16}	2,4-Dimethylpentane	80.51	67.48	85.1		202
6807	C_7H_{16}	2,2,3-Trimethylbutane	80.871	67.57	87.4		202
A =	**C_3H_8S**	**2-Propanethiol**	**52.60**				
6808	C_5H_{10}	Cyclopentane	49.263	47.75	35.3		202
6809	C_5H_{12}	Pentane	34.074	Nonazeotrope			202
6810	C_6H_{14}	2,2-Dimethylbutane	49.743	47.41	37.7		202
6811	C_6H_{14}	2,3-Dimethylbutane	57.990	51.24	67.5		202
6812	C_6H_{14}	Hexane	68.742	Nonazeotrope			202
6813	C_6H_{14}	2-Methylpentane	60.274	51.70	75.9		202
6814	C_6H_{14}	3-Methylpentane	63.284	52.40	87.0		202
A =	**$C_3H_9BO_3$**	**Methyl Borate**	**68.7**				
6815	C_4H_8O	2-Butanone	79.6	68.0	85		552
6816	C_4H_8O	Butyraldehyde	75.5	Nonazeotrope			548
6817	C_4H_8O	Tetrahydrofuran	65	Nonazeotrope		v-l	318
6818	$C_4H_8O_2$	Ethyl acetate	77.1	Nonazeotrope			549
6819	$C_4H_8O_2$	Isopropyl formate	68.8	< 67.0	<58		549
6820	C_4H_9Br	2-Bromo-2-methylpropane	73.3	Nonazeotrope			538
6821	C_4H_9Cl	1-Chlorobutane	78.5	Nonazeotrope			575
6822	C_4H_9Cl	2-Chlorobutane	68.25	66.9	45		562
6823	C_4H_9Cl	1-Chloro-2-methylpropane	68.85	67.3	54		531
6824	C_4H_9Cl	2-Chloro-2-methylpropane	50.8	Nonazeotrope			575
6825	$C_4H_9NO_2$	Butyl nitrite	78.2	Nonazeotrope			549
6826	$C_4H_9NO_2$	Isobutyl nitrite	67.1	< 66.9			549
6827	$C_4H_{10}O$	*tert*-Butyl alcohol	82.45	< 66.0	>75		575
6828	C_5H_{12}	Pentane	36.2	Nonazeotrope			546
6829	C_6H_5F	Fluorobenzene	84.9	Nonazeotrope			575
6830	C_6H_6	Benzene	80.2	Nonazeotrope			538
6831	C_6H_8	1,3-Cyclohexadiene	80.4	Nonazeotrope			546
6832	C_6H_{12}	Cyclohexane	80.8	Nonazeotrope			546
6833	C_6H_{12}	Methylcyclopentane	72.0	67.5	58		562,929
6834	C_6H_{14}	2,3-Dimethylbutane	58.0	Nonazeotrope			575
6835	C_6H_{14}	*n*-Hexane	63.95	~ 66.3	50		531
A =	**C_3H_9ClSi**	**Chlorotrimethysilane**	**57.7**				
6835a	$C_4H_8Cl_2O$	Bis(2-chloroethyl) ether	178.6	Nonazeotrope			886c
6836	C_6H_{14}	2-Methylpentane	60.4	56.4	65		844
6837	C_6H_{14}	3-Methylpentane	63.3	57.3	70		844
A =	**C_3H_9N**	**Isopropylamine**	**32.4**				
6837a	C_5H_8	Diolefins		Min. b.p.			258c
6837b	C_5H_{10}	Amylenes		Min. b.p.			258c
6837c	C_5H_{12}	Pentanes		Min. b.p.			258c
6838	C_6H_{14}	Hexane	68.7	Nonazeotrope			981

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_3H_9N**	**Propylamine**	**49.7**				
6839	C_4H_8O	2-Butanone	79.6	Nonazeotrope			527
6840	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope			551
6841	C_5H_{10}	Cyclopentane	49.3	47.0	52		551
6842	C_5H_{10}	2-Methyl-2-butene	37.15	~ 32	~ 32		563
6843	C_5H_{12}	2-Methylbutane	27.95	Nonazeotrope			551
6844	C_6H_{14}	2,3-Dimethylbutane	58.0	Nonazeotrope			551
A =	**C_3H_9N**	**Trimethylamine**	**3.5**				
6845	C_4H_4	1-Buten-3-yne	5.0	Nonazeotrope			84
6846	C_4H_6	1,3-Butadiene	— 4.6	Nonazeotrope			84
6847	C_4H_8	1-Butene	— 6	Nonazeotrope			84,378
6848	C_4H_8	*cis*-2-Butene	1.0	Nonazeotrope			84
6849	C_4H_8	*trans*-2-Butene	3.5	Nonazeotrope			84
6850	C_4H_8	2-Methylpropene	— 6	Nonazeotrope			84,378
6851	C_4H_{10}	Butane	0	Nonazeotrope			84,378
6852	C_4H_{10}	2-Methylpropane	— 10	Nonazeotrope			84,378
A =	**C_3H_9NO**	**1-Amino-2-propanol**	**159.9**				
6853	C_6H_5Cl	Chlorobenzene	131	128.30	13		741
6854	$C_6H_{15}NO_2$	1,1'-Iminodi-2-propanol, 100 mm.	185	Nonazeotrope			981
6855	C_7H_8	Toluene	110.7	110	5		741
6856	C_7H_{16}	Heptane	98.4	96.6	6		981
A =	**$C_3H_{10}N_2$**	**1,2-Propanediamine**	**120.9**				
6857	$C_4H_{10}O$	Butyl alcohol	117.7	126.5	49		982
6858	$C_4H_{10}O$	Isobutyl alcohol	107.9	123	65		982
6859	C_7H_8	Toluene	110.6	105	32		981
A =	**$C_3H_{10}OSi$**	**Trimethylsilanol**	**99**				
6860	$C_6H_{18}OSi_2$	Hexamethyldisiloxane	100	90	33-35		839
A =	**$C_4Cl_3F_7$**	**2,2,3-Trichloro-heptafluorobutane**	**97.4**				
6861	$C_5Cl_2F_6$	1,2-Dichlorohexa-fluorocyclopentene	90.6	Nonazeotrope		v-l	1041
6862	C_7H_{16}	Heptane	98.53	92.3	76	v-l	1041
6863	$C_8F_{16}O$	Perfluorocyclic oxide	102.6	96.35	67	v-l	1041
A =	**$C_4HF_7O_2$**	**Perfluorobutyric Acid**	**122.0**				
6864	C_8H_{10}	Ethylbenzene	136.15	115.4	80		163
6865	C_8H_{10}	*m*-Xylene	139	117.5	83		163
6866	C_8H_{10}	*p*-Xylene	138.4	117.6	82		163
A =	**$C_4H_2O_3$**	**Maleic Anhydride**					
6867	C_8H_{10}	*m*-Xylene, 150 mm.		Nonazeotrope			981
6867a	C_8H_{10}	*o*-Xylene 40 mm.				v-l	29e
		" 60 mm.		Nonazeotrope		v-l	438c
6868	$C_{16}H_{22}O_4$	Dibutyl phthalate, 50 mm.	238	Nonazeotrope			981
6869	C_nH_m	Hydrocarbons		Min. b.pt.			643

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_4H_4**	**Vinylacetylene**					
6870	C_4H_5Cl	2-Chloro-1,3-butadiene, 740 mm.		Nonazeotrope		v-l	419
6871	C_4H_8	2-Butene	3.5	Min. b.p.			102
A =	**$C_4H_4N_2$**	**Pyrazine**	**117.2**				
6872	$C_6H_{14}S$	Isopropyl sulfide	120.5	116.0	> 5		575
A =	**$C_4H_4N_2$**	**Pyridazine**	**207.2**				
6873	$C_6H_5NO_3$	*o*-Nitrophenol	217.2	Nonazeotrope			575
6874	C_6H_6O	Phenol	182.2	209.0	88		575
6875	C_7H_7ClO	*m*-Chloroanisole	193.3	Nonazeotrope			575
6876	C_7H_7ClO	*p*-Chloroanisole	197.8	Nonazeotrope			575
6877	C_7H_8O	*m*-Cresol	202.2	211.8	68		575
6878	C_7H_8O	*p*-Cresol	201.7	211.5	70		575
6879	$C_7H_8O_2$	Guaiacol	205.05	203.5			575
6880	$C_8H_{10}O$	*p*-Ethylphenol	218.8	220.5	15		575
6881	$C_8H_{10}O$	2,4-Xylenol	210.5	215.5	25		575
6882	$C_{12}H_{22}O$	Ethyl isobornyl ether	203.8	<203.5	>13		575
A =	**C_4H_4O**	**Furan**	**31.7**				
6883	C_5H_{10}	3-Methyl-1-butene	20.6	Nonazeotrope			558
6884	C_5H_{12}	2-Methylbutane	27.95	< 27.0	> 8		558
A =	**$C_4H_4O_2$**	**Diketene**					
6885	C_7H_8	Toluene, 60 mm.		41	10		227
A =	**C_4H_4S**	**Thiophene**	**84.7**				
6886	C_4H_7N	Pyrroline	90.9	Nonazeotrope			575
6887	C_4H_8O	2-Butanone	79.6	Nonazeotrope			527
6888	C_4H_8O	Butyraldehyde	75.2	Nonazeotrope			566
6889	$C_4H_8O_2$	Ethyl acetate	77.1	Nonazeotrope			527
		"		< 73	>20		563
6890	$C_4H_8O_2$	Methyl propionate	79.85	Nonazeotrope			527
6891	$C_4H_8O_2$	Propyl formate	80.85	Nonazeotrope			527
6892	C_4H_9Cl	1-Chlorobutane	78.5	Nonazeotrope			527
6893	C_4H_9ClO	2-Chloroethyl ethyl ether	98.5	Nonazeotrope			566
6894	$C_4H_9NO_2$	Butyl nitrite	78.2	Nonazeotrope			527
6895	$C_4H_9NO_2$	Isobutyl nitrite	67.1	Nonazeotrope			550
6896	$C_4H_{10}S$	2-Butanethiol	85.15	82.27			205
6897	$C_4H_{10}S$	Isopropyl methyl sulfide	84.76	83.42			205
6898	$C_5H_{10}O$	3-Methyl-2-butanone	95.4	Nonazeotrope			205,575
6899	$C_5H_{11}NO_2$	Isoamyl nitrite	97.15	Nonazeotrope			527
6900	$C_5H_{12}O_2$	Diethoxymethane	87.95	< 83.9			566
6901	C_6H_6	Benzene	80.2	Nonazeotrope			527
		"		"		v-l	605
6902	C_6H_{10}	Cyclohexene	82.75	< 82.5	>15		561
6903	C_6H_{12}	Cyclohexane	80.85	77.90	41.2		205
6904	C_6H_{12}	Methylcyclopentane	71.85	71.47	14.0		205
		"	72.0	Nonazeotrope			566

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_4H_4O_2$**	**Thiophene *(continued)***	**84.7**				
6905	C_6H_{14}	Hexane	68.95	Nonazeotrope			527
		"	68.75	68.46	11.2		205
6906	$C_6H_{14}O$	Isopropyl ether	68.3	Nonazeotrope			566
6907	C_7H_{14}	*trans*-1,3-Dimethylcyclopentane	90.80	82.00	67.7		205
6908	C_7H_{16}	2,3-Dimethylpentane	89.90	80.90	64		205
6909	C_7H_{16}	2,4-Dimethylpentane	80.55	76.58	42.7		205
6910	C_7H_{16}	Heptane	98.40	83.09	83.2		205
A =	**C_4H_5Cl**	**2-Chloro-1,3-butadiene**					
6911	$C_4H_6Cl_2$	1,3-Dichloro-2-butene, 100 mm.		Nonazeotrope		v-l	419
		" 340 mm.		Nonazeotrope		v-l	419
6912	C_4H_6O	1-Butene-3-one, 100 mm.		Nonazeotrope		v-l	419
		" 340 mm.		Nonazeotrope		v-l	419
A =	**$C_4H_5ClO_2$**	**α-Chlorocrotonic Acid**	**212.5**				
6913	$C_6H_5NO_2$	Nitrobenzene	210.75	< 208.0	>30		554
6914	$C_7H_7NO_2$	*o*-Nitrotoluene	221.75	< 211.2	>72		554
A =	**$C_4H_5Cl_3$**	**2,3,4-Trichloro-1-butene**					
6914a	$C_4H_6Cl_2$	*trans*-1,3-Dichloro-2-butene 40 mm.		Nonazeotrope		v-l	158f
A =	**$C_4H_5Cl_3O_2$**	**Ethyl Trichloroacetate**	**167.2**				
6915	$C_4H_8O_2$	Butyric acid	164.0	< 163.5			575
6916	$C_4H_8O_2$	Isobutyric acid	154.6	Nonazeotrope			575
6917	$C_5H_{10}O_2$	Valeric acid	186.35	Nonazeotrope			575
6918	C_7H_6O	Benzaldehyde	179.2	Nonazeotrope			563
6919	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	< 165.5	>62		575
6920	$C_8H_{18}O$	Octyl alcohol	195.2	Nonazeotrope			575
A =	**C_4H_5N**	**Pyrrol**	**129.2**				
6921	C_4H_9I	1-Iodobutane	130.4	< 123.2	32		553
6922	$C_4H_{10}O$	Butyl alcohol	117.8	Nonazeotrope			527
6923	$C_4H_{10}O$	Isobutyl alcohol	108.0	Nonazeotrope			575
6924	$C_4H_{10}O_2$	2-Ethoxyethanol	135.3	Nonazeotrope			575
6925	$C_4H_{10}S$	Butanethiol	97.8	Nonazeotrope			575
6926	$C_4H_{10}S$	Ethyl sulfide	92.1	Nonazeotrope			553
6927	$C_5H_{10}O$	Cyclopentanol	140.85	Nonazeotrope			553
6928	$C_5H_{10}O_3$	Ethyl carbonate	126.5	131.6	49		553
6929	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	< 116.4	>10		553
6930	$C_5H_{12}O$	Amyl alcohol	138.2	Nonazeotrope			527
6931	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	Nonazeotrope			575
6932	$C_5H_{12}O$	Isoamyl alcohol	131.9	< 129.4	>21		553
6933	$C_5H_{12}O$	2-Pentanol	119.8	Nonazeotrope			527
6934	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	Nonazeotrope			527
6935	C_6H_5Br	Bromobenzene	156.1	Nonazeotrope			553
6936	C_6H_5Cl	Chlorobenzene	131.75	124.5	43		527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_4H_5N**	**Pyrrol** *(continued)*	**129.2**				
6937	C_6H_7N	3-Picoline	143.8	145-148			242
6938	C_6H_7N	4-Picoline	144.8	145-148			242
6939	$C_6H_{10}O$	Mesityl oxide	130.5	~ 128			561
6940	$C_6H_{10}S$	Allyl sulfide	139.35	127.0	70		575
6941	$C_6H_{12}O_2$	Isoamyl formate	123.8	~ 130.0	~ 60		548
6942	$C_6H_{12}O_2$	Isobutyl acetate	117.4	Nonazeotrope			527
6943	$C_6H_{14}S$	Isopropyl sulfide	120.5	117.5	20		553
6944	$C_6H_{14}S$	Propyl sulfide	140.8	127.5	65		553
6945	C_7H_7Cl	*o*-Chlorotoluene	159.2	Nonazeotrope			553
6946	C_7H_8	Toluene	110.75	Nonazeotrope			553
6947	$C_7H_{14}O_2$	Isoamyl acetate	142.1	Nonazeotrope			527
6948	$C_7H_{14}O_2$	Propyl isobutyrate	134.0	>134.8	>25		548
6949	C_8H_{10}	Xylenes	140	Min. b.p.			515
6950	C_8H_{18}	*n*-Octane	125.75	< 124.3	<36		553
6951	$C_8H_{18}O$	Isobutyl ether	122.3	< 121.5	>12		562
A =	**C_4H_5NS**	**Allyl Isothiocyanate**	**152.0**				
6952	$C_4H_8Cl_2O$	1,2-Dichloroethyl ethyl ether	145.5	Nonazeotrope			575
6953	$C_5H_4O_2$	2-Furaldehyde	161.45	Nonazeotrope			575
6954	$C_5H_{10}O$	Cyclopentanol	140.85	Nonazeotrope			575
6955	$C_6H_{12}O$	Cyclohexanol	160.8	Nonazeotrope			575
6956	$C_6H_{13}ClO_2$	Chloroacetal	157	Nonazeotrope			575
6957	$C_6H_{14}O$	Hexyl alcohol	157.85	< 151.8			575
6958	$C_6H_{14}O_2$	Pinacol	174.35	Nonazeotrope			575
6959	$C_6H_{14}S$	Propyl sulfide	141.5	< 141.1	<19		575
6960	C_7H_8O	Anisole	153.85	151.5	68		575
6961	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope			575
6962	$C_8H_{18}S$	Isobutyl sulfide	172.0	Nonazeotrope			575
A =	**C_4H_6**	**1,3-Butadiene**	**— 4.5**				
6962a	C_4H_6	1-Butyne	7	Nonazeotrope		v-l	149c
6963	C_4H_8	1-Butene	— 5	Nonazeotrope			561
6964	C_4H_8	2-Butene	1.5-3	—5.53	76.5	v-l	111
		"	1	Nonazeotrope		v-l	149c
6964a	$C_4H_8O_2$	Ethyl acetate	77	Nonazeotrope		v-l	1030c
6965	C_4H_{10}	Butane	— 0.5	Min. b.p.			102
6966	$C_4H_{10}O$	Ethyl ether	34.5	Nonazeotrope		v-l	111,1030c
6967	C_5H_7Cl	Chloroprene	59.4	Nonazeotrope		v-l	428
6967a	C_6H_6	Benzene	80.1	Nonazeotrope		v-l	1030c
A =	**C_4H_6**	**1-Butyne**	**9**				
6968	C_4H_8	*cis*-2-Butene	1	Min. b.p.	9.5		102
6969	C_4H_8	*trans*-2-Butene	3.5		25.5		102
A =	**$C_4H_6Cl_2$**	**1,3-Dichloro-2-butene**					
6970	C_4H_6O	1-Butene-3-one 150 mm.		Nonazeotrope		v-l	420
A =	**$C_4H_6Cl_2O_2$**	**Ethyl Dichloroacetate**	**158.1**				
6971	$C_4H_8O_2$	Butyric acid	164.0	157.0			562

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_4H_6Cl_2O_2$**	**Ethyl Dichloroacetate**	**158.1**			
		(continued)				
6972	$C_4H_8O_2$	Isobutyric acid	154.6	< 153.8		562
6973	$C_4H_{10}O$	Butyl alcohol	117.8	Nonazeotrope		575
6974	$C_5H_4O_2$	2-Furaldehyde	161.5	Nonazeotrope		563
6975	$C_5H_{10}O_3$	Ethyl lactate	154.1	Nonazeotrope		575
6976	$C_5H_{11}NO_3$	Isoamyl nitrate	149.75	Nonazeotrope		560
6977	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	Nonazeotrope		575
6978	$C_6H_{14}O$	Hexyl alcohol	157.85	< 156.0	58	575
6979	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	Nonazeotrope		575
6980	$C_7H_{16}O$	Heptyl alcohol	176.15	Nonazeotrope		575
6981	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope		575
6982	$C_8H_{16}O_2$	Isoamyl propionate	160.7	Nonazeotrope		575
A =	**C_4H_6O**	**Crotonaldehyde**	**102.15**			
6983	C_4H_9Br	1-Bromo-2-methylpropane	91.6	Nonazeotrope		563
6984	$C_5H_{10}O$	3-Methyl-2-butanone	95.4	Nonazeotrope		552
6985	$C_5H_{10}O$	2-Pentanone	102.35	101.2		552
6986	$C_5H_{10}O$	3-Pentanone	102.05	< 101.4		552
6987	$C_5H_{10}O_2$	Ethyl propionate	99.1	98.0	25	575
6988	$C_5H_{10}O_2$	Methyl butyrate	102.75	< 101		563
6989	C_6H_6	Benzene	80.2	Nonazeotrope		563
6990	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope		575
6991	C_7H_8	Toluene	110.65	Min. b.p.		932
			110.65	Nonazeotrope		575
6992	C_7H_{14}	Methylcyclohexane	101.15	< 99.5		575
6993	C_nH_{2n+2}	Paraffins	109.5-110.5	102.8		241,932
A =	**$C_4H_6O_2$**	**Allyl Formate**	**80.0**			
6994	C_4H_9Cl	1-Chlorobutane	78.5	< 76.0	>40	575
6995	$C_4H_9NO_2$	Butyl nitrite	78.2	< 77.0	>30	549
6996	C_6H_6	Benzene	80.15	79.2	>45	575
6997	C_6H_{14}	Hexane	68.8	< 64.5	>26	575
A =	**$C_4H_6O_2$**	**Biacetyl**	**87.5**			
6998	C_4H_8O	2-Butanone	79.6	Nonazeotrope		981
6999	$C_5H_{12}O$	Isoamyl alcohol	131.9	Nonazeotrope		552
7000	C_6H_6	Benzene	80	79.3	~ 55	640
7001	$C_6H_{15}N$	Dipropylamine	109.2	Nonazeotrope		575
A =	**$C_4H_6O_2$**	**2-Butyne-1,4-diol**				
7002	C_5H_9NO	*N*-Methyl-2-pyrrolidone	251	Nonazeotrope	v-l	339
A =	**$C_4H_6O_2$**	**Dioxene**	**94.7**			
7003	$C_4H_{10}O_3$	Diethylene glycol	245.1	Nonazeotrope	v-l	215
A =	**$C_4H_6O_2$**	**Methyl Acrylate**	**80**			
7004	$C_4H_{10}O$	Butyl alcohol	117	Nonazeotrope		800
7005	$C_4H_{10}O$	Isobutyl alcohol	108	Nonazeotrope		800
7006	$C_5H_8O_2$	Ethyl acrylate, 103 mm.	43	Nonazeotrope		800
A =	**$C_4H_6O_2$**	**Methacrylic Acid**	**160.5**			
7007	$C_5H_8O_2$	Methyl methacrylate	99.5	Nonazeotrope		1032

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_4H_6O_2$**	**Vinyl Acetate**	**72.7**				
7008	$C_4H_{10}O$	Butyl alcohol	117.7	Nonazeotrope			981
7009	C_6H_{12}	Cyclohexane	80.7	67.4	61.3		981
7010	C_7H_{16}	2,4-Dimethylpentane	80.5	67.2	56.9	v-l	941
1011	C_7H_{16}	Heptane	98.4	72	83.5		981
1012	$C_8H_{18}O$	Butyl ether	142.1	Nonazeotrope			981
A =	**$C_4H_6O_3$**	**Acetic Anhydride**	**138**				
7013	C_5H_5N	Pyridine	115	Nonazeotrope		v-l	694,428
7014	$C_5H_8O_2$	Isopropenyl acetate	97.4	Nonazeotrope			981
7015	$C_5H_8O_4$	Methylene diacetate	164	Nonazeotrope		v-l	428
		" 100 mm.		Nonazeotrope		v-l	428
		" low pressure	92			v-l	954c
7016	$C_5H_{10}O_2$	Isopropyl acetate	88.7	Nonazeotrope			981
7016a	C_6H_6	Benzene	80.1	Nonazeotrope		v-l	659c
7017	C_6H_{12}	Cyclohexane	80.7	80.1	7.8	v-l	428
7018	$C_6H_{14}O$	Isopropyl ether	68.3	Nonazeotrope			981
7019	C_7H_{14}	Methylcyclohexane	101	99	~ 18		277
7020	C_7H_{16}	*n*-Heptane	98.4	Azeotropic			277
7021	C_8H_{16}	Ethylcyclohexane	131	118	~ 37		277
7022	C_8H_{18}	*n*-Octane	125.8	Azeotropic			277
7023	C_9H_{20}	*n*-Nonane	150	Azeotropic			277
7024	$C_{10}H_{22}$	*n*-Decane	173	Azeotropic			277
7025	$C_{11}H_{24}$	*n*-Undecane	194.5	Azeotropic			277
A =	**$C_4H_6O_3$**	**Methyl Pyruvate**	**137.5**				
7026	$C_4H_8O_2$	Isobutyric acid	154.6	Nonazeotrope			552
7027	C_4H_9I	1-Iodobutane	130.4	< 127.0			552
7028	$C_5H_8O_2$	2,4-Pentanedione	137.7	< 136.2			552
7029	$C_5H_{10}O_2$	Methyl butyrate	102.65	Nonazeotrope			575
7030	$C_5H_{10}O_2$	Propyl acetate	101.6	Nonazeotrope			552
7031	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	< 136.0			552
7032	C_6H_5Br	Bromobenzene	156.1	Nonazeotrope			552
7033	C_6H_5Cl	Chlorobenzene	131.75	129.0	30		552
7034	$C_6H_{10}O$	Mesityl oxide	129.45	Nonazeotrope			552
7035	$C_6H_{10}S$	Allyl sulfide	139.35	< 134.4	>53		566
7036	$C_6H_{12}O$	2-Hexanone	127.2	Nonazeotrope			552
7037	$C_6H_{12}O_2$	Isobutyl acetate	117.4	Nonazeotrope			552
7038	$C_6H_{12}O_2$	Methyl isovalerate	116.5	Nonazeotrope			575
7039	$C_6H_{14}O$	Propyl ether	90.1	Nonazeotrope			552
7040	$C_6H_{14}S$	Isopropyl sulfide	120.5	Nonazeotrope			566
7041	C_7H_8O	Anisole	153.85	Nonazeotrope			552
7042	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	< 132.0			552
7043	$C_7H_{14}O_2$	Isoamyl acetate	142.1	135.0	65		552
7044	C_8H_{10}	*m*-Xylene	139.2	130.0	50		552
7045	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	< 117.0			552
7046	$C_8H_{16}O_2$	Isoamyl propionate	160.7	Nonazeotrope			575
7047	$C_8H_{18}O$	Butyl ether	142.4	130.2			552
7048	$C_8H_{18}O$	Isobutyl ether	122.3	< 121.5			552

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_4H_6O_3$**	**Methyl Pyruvate *(continued)***	**137.5**			
7049	$C_{10}H_{16}$	Camphene	159.6	< 135.2		552
7050	$C_{10}H_{16}$	α-Pinene	155.8	< 134.5		552
A =	**$C_4H_6O_4$**	**Ethylene Glycol Diformate**	**174**			
7051	C_nH_m	Hydrocarbons		Min. b.p.		644
A =	**$C_4H_6O_4$**	**Methyl Oxalate**	**163.3**			
7052	$C_4H_7ClO_2$	Ethyl chloroacetate	143.5	Nonazeotrope		563
7053	$C_4H_8O_2$	Butyric acid	164.0	< 160.8	>54	562
7054	$C_4H_8O_2$	Isobutyric acid	154.6	< 154.2	<18	562
7055	$C_4H_8O_3$	Glycol monoacetate	190.9	Nonazeotrope		575
7056	$C_5H_4O_2$	2-Furaldehyde	161.45	Nonazeotrope		572
7057	$C_5H_{10}O_3$	Ethyl lactate	154.1	Nonazeotrope		575
7058	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	Nonazeotrope		575
7059	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.6	Nonazeotrope		547
7060	$C_6H_4Cl_2$	*o*-Dichlorobenzene	179.5	< 163.8	<89	575
7061	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.35	162.05	65	530
7062	C_6H_5Br	Bromobenzene	156.1	153.05	28	563
7063	C_6H_6O	Phenol	182.2	182.35	~ 8	573
7064	$C_6H_{10}O$	Cyclohexanone	155.7	Nonazeotrope		552
7065	$C_6H_{12}O$	Cyclohexanol	160.65	155.6	41	563
7066	$C_6H_{13}Br$	1-Bromohexane	156.5	< 154.0	<30	575
7067	$C_6H_{13}ClO_2$	Chloroacetal	157.4	Nonazeotrope		531
7068	$C_6H_{14}O$	Hexyl alcohol	157.85	< 155.5		567
7069	$C_6H_{14}O_2$	2-Butoxyethanol	171.25	Nonazeotrope		575
7070	$C_6H_{14}O_2$	Pinacol	174.35	163.15	81	530
7071	C_7H_7Br	*m*-Bromotoluene	184.3	Nonazeotrope		527
7072	C_7H_7Br	*o*-Bromotoluene	181.5	164.1	98	538
7073	C_7H_7Br	*p*-Bromotoluene	185.0	Nonazeotrope		538
7074	C_7H_7Cl	α-Chlorotoluene	179.3	Nonazeotrope		530
7075	C_7H_7Cl	*o*-Chlorotoluene	159.2	154.8	35	570
7076	C_7H_7Cl	*p*-Chlorotoluene	162.4	156.6	30	538
7077	C_7H_8	Toluene	110.75	Nonazeotrope		575
7078	C_7H_8O	Anisole	153.85	153.65	~ 15	557
7079	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	< 161.2		575
7080	$C_7H_{16}O$	Heptyl alcohol	176.15	< 163.8		575
7081	C_8H_8	Styrene	145.7	< 142.5	~ 12	563
7082	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope		575
7083	C_8H_{10}	*m*-Xylene	139.2	< 138.8		575
7084	C_8H_{10}	*o*-Xylene	144.3	<143.0		562
7085	$C_8H_{10}O$	Benzyl methyl ether	167.8	< 161.9	<60	557
7086	$C_8H_{10}O$	Phenetole	170.45	161.35		571
7087	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	Nonazeotrope		575
7088	$C_8H_{16}O_2$	Butyl butyrate	166.4	160.5	58	549
7089	$C_8H_{16}O_2$	Ethyl caproate	167.7	161.0	60	549
7090	$C_8H_{16}O_2$	Hexyl acetate	171.5	< 162.5	<76	575
7091	$C_8H_{16}O_2$	Isoamyl propionate	160.7	157.5	38	549
7092	$C_8H_{16}O_2$	Isobutyl butyrate	156.9	< 155.5	>23	549

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_4H_6O_4$**	**Methyl Oxalate *(continued)***	**163.3**			
7093	$C_8H_{16}O_2$	Propyl isovalerate	155.7	< 154.5	>20	549
7094	$C_8H_{18}O$	*sec*-Octyl alcohol	179.0	~ 163.8	86?	530
7095	$C_8H_{20}SiO_4$	Ethyl silicate	165	162.5		563
7096	C_9H_8	Indene	182.6	163.6	83	564
7097	C_9H_{12}	Cumene	152.8	148.5		562
7098	C_9H_{12}	Mesitylene	164.0	154.8	49.8	563
7099	C_9H_{12}	Propylbenzene	158	~ 152	~ 38	563
7100	C_9H_{12}	Pseudocumene	169	~ 157	~ 65	563
7101	$C_9H_{18}O_2$	Isoamyl isobutyrate	169.8	161.0	65	549
7102	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		575
7103	$C_{10}H_{14}$	Butylbenzene	183.2	< 163.5		546
7104	$C_{10}H_{14}$	Cymene	175.3	~ 161	~ 80	563
7105	$C_{10}H_{16}$	Camphene	159.6	146.65	42	570
7106	$C_{10}H_{16}$	*d*-Limonene	177.8	156.7	~ 75	563
7107	$C_{10}H_{16}$	Nopinene	163.8	147.1	51	563
7108	$C_{10}H_{16}$	α-Phellandrene	171.5	153	~ 68	563
7109	$C_{10}H_{16}$	α-Pinene	155.8	144.1	39	563
7110	$C_{10}H_{16}$	Terpinene	180.5	~ 159.5	~ 88	563
7111	$C_{10}H_{16}$	α-Terpinene	173.3	159.5	82	562
7112	$C_{10}H_{16}$	γ-Terpinene	183	159.5	82	575
7113	$C_{10}H_{16}$	Terpinolene	185.2	160.0	<90	546
		"	185	Azeotrope doubtful		563
7114	$C_{10}H_{16}$	Terpinylene	175	~ 155	<80	563
7115	$C_{10}H_{16}$	Thymene	179	150	54	563
7116	$C_{10}H_{18}$	*p*-Menthen	170.8	154.0	70	546
7117	$C_{10}H_{18}O$	Cineol	176.35	158.85	55	557
7118	$C_{10}H_{20}O_2$	Isoamyl isovalerate	193.5	162.2	70	549
7119	$C_{10}H_{22}$	2,7-Dimethyloctane	160.2	147.0	45	546
7120	$C_{10}H_{22}O$	Isoamyl ether	173.2	154.8	54	557
		"	173.4	162.2	~ 80	548
7121	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		575
7122	$C_{12}H_{22}O_4$	Isoamyl oxalate	268	Azeotrope doubtful		563
A =	**$C_4H_7BrO_2$**	**Ethyl Bromoacetate**	**158.8**			
7123	$C_4H_8O_2$	Butyric acid	164.0	157.4	84	527
7124	$C_4H_8O_2$	Isobutyric acid	154.6	153.0	40	527
7125	$C_4H_8O_3$	Methyl lactate	143.8	Nonazeotrope		527
7126	$C_4H_{10}O$	*n*-Butyl alcohol	117.8	Nonazeotrope		527
7127	$C_4H_{10}O$	Isobutyl alcohol	108.0	Nonazeotrope		575
7128	$C_4H_{10}O_2$	2-Ethoxyethanol	135.3	Nonazeotrope		575
7129	$C_5H_{10}O_2$	Isovaleric acid	176.5	Nonazeotrope		527
7130	$C_5H_{10}O_3$	Ethyl lactate	154.1	Nonazeotrope		527
		"	155	152.5		563
7131	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	Nonazeotrope		527
7132	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	< 147.5	<10	527
7133	$C_5H_{11}NO_3$	Isoamyl nitrate	149.75	Nonazeotrope		560
7134	$C_5H_{12}O$	Isoamyl alcohol	131.9	Nonazeotrope		527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_4H_7BrO_2$**	**Ethyl Bromoacetate**	**158.8**			
		(continued)				
7135	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	151.25	5	527
7136	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.4	Nonazeotrope		527
7137	C_6H_5Br	Bromobenzene	156.1	155.3	28	527
7138	$C_6H_{10}O_4$	Ethylidene diacetate	168.5	Nonazeotrope		527
7139	$C_6H_{12}O$	Cyclohexanol	160.8	155.5	65	527
		"	160.65	~ 156		563
7140	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope		527
7141	$C_6H_{12}O_3$	Isopropyl lactate	166.8	Nonazeotrope		575
7142	$C_6H_{12}O_3$	Propyl lactate	171.7	Nonazeotrope		527
7143	$C_6H_{13}Br$	1-Bromohexane	156.5	< 155.0	<39	563
7144	$C_6H_{14}O$	*n*-Hexanol	157.85	154.0	55	527
7145	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	Nonazeotrope		527
7146	$C_6H_{14}S$	Propyl sulfide	141.5	Nonazeotrope		566
7147	C_7H_7Cl	*o*-Chlorotoluene	159.3	156.2	52	527
7148	C_7H_7Cl	*p*-Chlorotoluene	162.4	< 158.5	<90	575
7149	C_7H_8O	Anisole	153.85	153.8		527
7150	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	157.5	85	575
7151	$C_7H_{14}O_3$	Methyl-1,3-butanediol acetate	171.35	Nonazeotrope		527
7152	$C_7H_{16}O$	*n*-Heptyl alcohol	176.15	Nonazeotrope		527
7153	C_8H_8	Styrene	145.8	Nonazeotrope		575
7154	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope		575
7155	$C_8H_{10}O$	*p*-Methylanisole	177.05	Nonazeotrope		575
7156	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope		575
7157	$C_8H_{16}O$	2-Octanone	172.85	Nonazeotrope		552
7158	$C_8H_{16}O_2$	Isobutyl isobutyrate	147.3	Nonazeotrope		532
7159	$C_8H_{18}O$	Butyl ether	142.4	Nonazeotrope		575
7160	$C_8H_{18}O$	*sec*-Octanol	180.4	Nonazeotrope		527
7161	$C_8H_{18}S$	Isobutyl sulfide	172.0	Nonazeotrope		566
7162	C_9H_{12}	Mesitylene	164.6	< 158.4	<88	575
7163	C_9H_{12}	Propylbenzene	159.3	155.8	50	562
7164	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	Nonazeotrope		575
7165	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	Nonazeotrope		527
7166	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		575
7167	$C_{10}H_{16}$	Camphene	~ 158	~ 154		563
7168	$C_{10}H_{16}$	Dipentene	177.7	Nonazeotrope		575
7169	$C_{10}H_{16}$	Nopinene	163.8	156.5	78	562
7170	$C_{10}H_{16}$	α-Pinene	155.8	152.5	~ 46	563
7171	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope		575
7172	$C_{10}H_{18}O$	Cineol	176.35	Nonazeotrope		575
7173	$C_{10}H_{22}O$	Isoamyl ether	173.2	Nonazeotrope		575
A =	**C_4H_7ClO**	**2-Chloroethyl Vinyl Ether**	**108**			
7174	$C_4H_8O_2$	Dioxane	101	Nonazeotrope		180,798
7175	$C_5H_{12}O$	Isoamyl alcohol	131.8	109	99	982
		" 50 mm.	67	39	99	982

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_4H_7ClO_2$**	**Ethyl Chloroacetate**	**143.55**			
7176	$C_4H_8O_2$	Butyric acid	164	Nonazeotrope		527
7177	$C_4H_8O_2$	Isobutyric acid	154.6	Nonazeotrope		575
7178	$C_4H_8O_3$	Methyl lactate	144.8	140.4	~ 52	563
7179	C_4H_9I	1-Iodobutane	130.4	< 130.0	<10	575
7180	$C_4H_{10}O$	Butyl alcohol	117.75	Nonazeotrope		535
7181	$C_4H_{10}O$	Isobutyl alcohol	108.0	Nonazeotrope		575
7182	$C_4H_{10}O_2$	2-Ethoxyethanol	135.3	134.8	32	556
7183	C_5H_8O	Cyclopentanone	130.65	Nonazeotrope		552
7184	$C_5H_{10}O$	Cyclopentanol	140.85	137.6	50	567
7185	$C_5H_{10}O_3$	Ethyl lactate	154.1	Nonazeotrope		575
7186	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	144.95	38	556,569
7187	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	140.2	49	572
7188	$C_5H_{11}NO_3$	Isoamyl nitrate	149.75	Nonazeotrope		560
7189	$C_5H_{12}O$	Isoamyl alcohol	131.3	131	23	527
7190	$C_5H_{12}O$	2-Pentanol	119.8	Nonazeotrope		575
7191	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	Nonazeotrope		526
7192	C_6H_5Br	Bromobenzene	156.1	Nonazeotrope		575
7193	C_6H_5Cl	Chlorobenzene	131.75	Nonazeotrope		575
7194	$C_6H_{10}O$	Cyclohexanone	155.7	Nonazeotrope		552
7195	$C_6H_{10}O$	Mesityl oxide	129.45	Nonazeotrope		527,552
7196	$C_6H_{10}S$	Allyl sulfide	139.35	138.5	22	566
7197	$C_6H_{12}O$	Cyclohexanol	160.8	Nonazeotrope		575
7198	$C_6H_{12}O$	2-Hexanone	127.2	Nonazeotrope		552
7199	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope		556
7200	$C_6H_{13}Br$	1-Bromohexane	156.5	Nonazeotrope		575
7201	$C_6H_{14}O$	Hexyl alcohol	157.8	142	~ 75	535
7202	$C_6H_{14}S$	Propyl sulfide	141.5	< 140.3	<44	566
7203	C_7H_7Cl	*o*-Chlorotoluene	159.3	Nonazeotrope		532
7204	C_7H_8O	Anisole	153.85	Nonazeotrope		575
7205	$C_7H_{14}O$	4-Heptanone	143.55	142.75	47	552
7206	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	Nonazeotrope		575
7207	$C_7H_{14}O_2$	Butyl propionate	146.5	Nonazeotrope		548
7208	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	Nonazeotrope		575
7209	$C_7H_{14}O_2$	Ethyl valerate	145.45	< 143.4		575
7210	$C_7H_{14}O_2$	Isoamyl acetate	142.1	141.7	40	572
7211	$C_7H_{14}O_2$	Isobutyl propionate	136.9	N nazeotrope		532
7212	$C_7H_{14}O_2$	Propyl butyrate	142.8	141.7	47	530
7213	C_8H_8	Styrene	145.7	140.2	~ 60	563
7214	C_8H_{10}	Ethylbenzene	136.15	135.3	18	562
7215	C_8H_{10}	*m*-Xylene	139.0	137.45	32	527
7216	C_8H_{10}	*o*-Xylene	144.3	140.2	58	562
7217	C_8H_{10}	*p*-Xylene	138.2	137.0	~ 28	563
7218	$C_8H_{16}O_2$	Isobutyl isobutyrate	147.3	Nonazeotrope		532
7219	C_8H_{18}	Octane	125.75	Nonazeotrope		575
7220	$C_8H_{18}O$	Butyl ether	142.4	139.8	45	562
7221	C_9H_{12}	Propylbenzene	159.3	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_4H_7ClO_2$**	**Ethyl Chloroacetate**	**143.55**			
		(continued)				
7222	$C_{10}H_{16}$	Camphene	159.6	Nonazeotrope		575
7223	$C_{10}H_{16}$	α-Pinene	155.8	< 142.8	>88	575
A =	**$C_4H_7Cl_3O$**	**1,1,1-Trichloro-*tert*-butyl alcohol**				
7224	$C_4H_{11}PO_3$	Diethyl phosphite				
		1.5 mm.		55	53.3	24
A =	**$C_4H_7Cl_3O$**	**Ethyl 1,1,2-Trichloroethyl ether**	**173.0**			
7225	$C_5H_4O_2$	2-Furaldehyde	161.45	Nonazeotrope		575
7226	$C_5H_8O_3$	Methyl acetoacetate	169.5	Nonazeotrope		575
7227	$C_6H_4Cl_2$	*o*-Dichlorobenzene	179.5	Nonazeotrope		575
7228	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.4	171.3	75	556
7229	C_6H_5Br	Bromobenzene	156.1	Nonazeotrope		556
7230	$C_6H_{10}O_3$	Ethyl acetoacetate	180.4	Nonazeotrope		575
7231	C_7H_7Br	*o*-Bromotoluene	181.5	Nonazeotrope		556
7232	C_7H_7Cl	*p*-Chlorotoluene	162.4	Nonazeotrope		575
7233	$C_8H_{18}S$	Butyl sulfide	185.0	Nonazeotrope		575
7234	$C_8H_{18}S$	Isobutyl sulfide	172.0	< 171.3	<55	575
7235	C_9H_{12}	Mesitylene	164.6	Nonazeotrope		575
7236	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	Nonazeotrope		575
7237	$C_{10}H_{16}$	Nopinene	163.8	Nonazeotrope		575
7238	$C_{10}H_{16}$	α-Terpinene	173.4	172.0	58	562
A =	**C_4H_7N**	**Butyronitrile**	**117.9**			
7239	C_4H_9I	1-Iodo-2-methylpropane	120.8	108.5	46	562
7240	$C_4H_{10}O$	Butyl alcohol	117.8	113.0	50	567
7241	$C_4H_{10}O$	Isobutyl alcohol	108	< 106.8	>10	567
		"	108	< 105	>25	563
7242	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	109.8	50	562
7243	C_6H_{12}	Cyclohexane	80.75	< 79.0	> 5	575
7244	C_7H_8	Toluene	110.75	107.0	27	562
7245	C_7H_{14}	Methylcyclohexane	101.15	90.5	20	562
A =	**C_4H_7N**	**Isobutyronitrile**	**103.85**			
7246	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.4	91.0	35	562
7247	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	< 99.5	>42	567
7248	C_6H_6	Benzene	80.15	Nonazeotrope		575
7249	C_6H_{12}	Cyclohexane	80.75	< 74.5	>13	562
7250	C_7H_{14}	Methylcyclohexane	101.15	85.5	40	562
7251	C_7H_{16}	Heptane	98.4	80.5	38	562
A =	**C_4H_7N**	**Pyrroline**	**90.9**			
7252	$C_6H_{14}O$	Propyl ether	90.1	< 88.5	<43	575
A =	**C_4H_7NO**	**α-Hydroxy Isobutyronitrile**				
7253	$C_4H_{11}PO_3$	Diethyl phosphite				
		92 mm.		129.5	40.0	24
7254	$C_6H_{15}PO_3$	Dipropyl phosphite				
		8 mm.		96	20.1	24
7255	$C_8H_{19}PO_3$	Diisobutyl phosphite				
		6.5 mm.		100	12.7	24

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_4H_8**	**1-Butene**	**— 5**				
7255a	C_4H_8	2-Butene	1	Nonazeotrope		v-l	149c
7256	C_4H_8	2-Methylpropene	— 6	Nonazeotrope			575
7256a	C_4H_{10}	Butane	0	Nonazeotrope		v-l	149c
7256b	C_4H_{10}	2-Methylpropane	—10	Nonazeotrope		v-l	149c
A =	**C_4H_8**	**2-Butene**	**1–3**				
7256c	C_4H_8	2-Methylpropene	—6	Nonazeotrope		v-l	149c
7256d	C_4H_{10}	Butane	0	Nonazeotrope		v-l	149c
7256e	C_4H_{10}	2-Methylpropane	—10	Nonazeotrope		v-l	149c
A =	**C_4H_8**	**2-Methylpropene**	**—6**				
7256f	C_4H_{10}	2-Methylpropane 10.56 atm.		Nonazeotrope		v-l	386f
A =	**$C_4H_8Cl_2O$**	**Bis(2-chloroethyl) Ether**	**178.65**				
7257	$C_4H_8O_2$	Butyric acid	164.0	Nonazeotrope			575
7258	$C_4H_8O_3$	Glycol monoacetate	190.9	Nonazeotrope			527
7259	$C_4H_{10}O$	Butyl alcohol	117.8	Nonazeotrope			527
7260	$C_4H_{10}O_3$	Diethylene glycol	245.5	174.6	92		183
7261	$C_5H_4O_2$	2-Furaldehyde	161.45	Nonazeotrope			527
7262	$C_5H_8O_3$	Methyl acetoacetate	169.5	Nonazeotrope			552
7263	$C_5H_{10}O$	Cyclopentanol	140.85	Nonazeotrope			527
7264	$C_5H_{12}O$	Isoamyl alcohol	131.9	Nonazeotrope			527
7265	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	Nonazeotrope			527
7266	$C_6H_4Cl_2$	*o*-Dichlorobenzene	179.5	176.5	60		527
7267	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.4	173.45	28		527
7268	C_6H_5Br	Bromobenzene	156.1	Nonazeotrope			527
7269	C_6H_5BrO	*o*-Bromophenol	195.0	Nonazeotrope			575
7270	C_6H_5ClO	*o*-Chlorophenol	176.8	< 176.5	>14		575
7271	C_6H_5I	Iodobenzene	188.45	Nonazeotrope			527
7272	C_6H_6O	Phenol	182.2	< 176.2	>60		562
7273	$C_6H_{10}O_3$	Ethyl acetoacetate	180.4	Nonazeotrope			527
7274	$C_6H_{10}O_4$	Ethyl oxalate	185.65	Nonazeotrope			527
7275	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope			527
7276	$C_6H_{12}O_3$	Propyl lactate	171.7	Nonazeotrope			575
7277	$C_6H_{13}Br$	Bromohexane	156.5	Nonazeotrope			527
7278	$C_6H_{14}O$	Hexyl alcohol	157.85	< 157.5	<22		527
7279	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	170.85	25		527
7280	C_7H_6O	Benzaldehyde	179.2	Nonazeotrope			527
7281	C_7H_7Br	*o*-Bromotoluene	181.45	< 177.9	>63		527
7282	C_7H_7Cl	*p*-Chlorotoluene	162.4	Nonazeotrope			527
7283	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	< 167.5	<40		575
7284	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	Nonazeotrope			575
7285	$C_7H_{16}O$	*n*-Heptyl alcohol	176.15	173.5	50		527
7286	$C_7H_{16}O$	3-Heptanol	156.4	141.2	28		981
7287	$C_8H_{16}O$	2-Octanone	172.85	Nonazeotrope			552
7288	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope			527
7289	$C_8H_{18}O$	2-Ethyl-1-hexanol, 50 mm.	109	96	90		982

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_4H_8Cl_2O$**	**Bis(2-chloroethyl) Ether**	**178.65**			
		(continued)				
7290	$C_8H_{18}O$	*n*-Octyl alcohol	195.2	Nonazeotrope		527
7291	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	< 177.2	<62	527
7292	$C_8H_{18}S$	Butyl sulfide	185	178.4	88	556
7293	C_9H_{12}	Mesitylene	164.6	Nonazeotrope		575
7294	$C_9H_{18}O_2$	Butyl isovalerate	177.6	177.0	80	575
7295	$C_9H_{18}O_2$	Isoamyl isobutyrate	169.8	Nonazeotrope		575
7296	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	Nonazeotrope		527
7297	$C_{10}H_{14}$	Butylbenzene	183.1	< 178.0		527
7298	$C_{10}H_{14}$	Cymene	176.7	< 176.4	>11	575
7299	$C_{10}H_{16}$	Dipentene	177.7	< 176.5		527
7300	$C_{10}H_{16}$	Terpinolene	184.6	Nonazeotrope		575
7301	$C_{10}H_{18}O$	Cineol	176.35	173.35	43	527
7302	$C_{10}H_{22}O$	Amyl ether	187.5	< 176.5		527
7303	$C_{10}H_{22}O$	Isoamyl ether	173.2	169.35	39	556
A =	**$C_4H_8Cl_2O$**	**1,2-Dichloroethyl Ethyl Ether**	**145.5**			
7304	$C_4H_{10}O$	Butyl alcohol	117.8	< 117.0	> 0.6	575
7305	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	Nonazeotrope		575
7306	$C_5H_4O_2$	2-Furaldehyde	161.45	Nonazeotrope		575
7307	$C_5H_{10}O$	Cyclopentanol	140.85	< 136.5	<50	575
7308	$C_5H_{10}O_3$	Ethyl lactate	154.1	Nonazeotrope		575
7309	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	< 143.0	>38	575
7310	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	Nonazeotrope		575
7311	$C_5H_{12}O$	Isoamyl alcohol	131.9	129.2	30	575
7312	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	144.3	70	575
7313	C_6H_5Br	Bromobenzene	156.1	Nonazeotrope		556
7314	C_6H_5Cl	Chlorobenzene	131.75	Nonazeotrope		556
7315	$C_6H_{10}O$	Cyclohexanone	155.7	Nonazeotrope		575
7316	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope		575
7317	$C_6H_{13}Br$	1-Bromohexane	156.5	Nonazeotrope		575
7318	$C_6H_{14}S$	Isopropyl sulfide	120.5	Nonazeotrope		566
7319	$C_6H_{14}S$	Propyl sulfide	141.5	< 141.0	>23	566
7320	C_7H_8O	Anisole	153.85	Nonazeotrope		575
7321	$C_7H_{14}O$	4-Heptanone	143.55	< 143.4	Nonazeotrope	575
7322	$C_7H_{14}O_2$	Butyl propionate	146.8	145.3	70	575
7323	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	Nonazeotrope		575
7324	$C_7H_{14}O_2$	Isobutyl propionate	137.5	Nonazeotrope		575
7325	$C_7H_{14}O_2$	Propyl butyrate	143.7	< 143.55	>10	575
7326	$C_7H_{16}O$	Heptyl alcohol	176.15	Nonazeotrope		575
7327	C_8H_8	Styrene	145.8	144.0	53	575
7328	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope		575
7329	$C_8H_{16}O_2$	Propyl isovalerate	155.7	Nonazeotrope		575
7330	$C_8H_{18}O$	Butyl ether	142.4	138.0	72	562
7331	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	Nonazeotrope		575
7332	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope		575
A =	**$C_4H_8Cl_2S$**	**Bis(2-chloroethyl) Sulfide**	**216.8**			
7333	$C_6H_5NO_3$	*o*-Nitrophenol	217.2	<215.5	>48	575

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_4H_8Cl_2S$**	**Bis(2-chloroethyl) Sulfide**	**216.8**				
		(continued)					
7334	C_7H_7ClO	*o*-Chloroanisole	195.7	Nonazeotrope			575
7335	C_7H_8O	Benzyl alcohol	205.25	195.5			575
7336	$C_8H_{10}O$	*p*-Ethylphenol	218.8	220.8	42		575
7337	$C_8H_{10}O$	2,4-Xylenol	210.5	>218.5	>75		575
7338	$C_8H_{10}O$	3,4-Xylenol	226.8	227.5	10		575
7339	$C_8H_{10}O_2$	*o*-Ethoxyphenol	216.5	<215.2	>42		575
7340	$C_9H_{12}O$	Mesitol	220.5	223.0	28		575
7341	$C_{10}H_{18}O$	β-Terpineol	210.5	Nonazeotrope			575
A =	**C_4H_8O**	**2-Butanone**	**79.6**				
7342	C_4H_8O	Butyraldehyde	75.2	Nonazeotrope			527
7343	C_4H_8O	Isobutyraldehyde	63.5	Nonazeotrope			527
7344	$C_4H_8O_2$	Dioxane	101.35	Nonazeotrope			552
7345	$C_4H_8O_2$	Ethyl acetate	77.1	77.0	18		527
		"	77.1		~ 26	v-l	680
		"	77.1	77.05	11.8	v-l	331,31c
7346	$C_4H_8O_2$	Isopropyl formate	68.8	Nonazeotrope			552,897
7347	$C_4H_8O_2$	Methyl propionate	79.85	79.0	60		552
7348	$C_4H_8O_2$	Propyl formate	80.85	Nonazeotrope			527
7349	C_4H_9Br	2-Bromobutane	91.2	Nonazeotrope			552
7350	C_4H_9Br	1-Bromo-2-methylpropane	91.4	Nonazeotrope			527
7351	C_4H_9Br	2-Bromo-2-methylpropane	73.25	Nonazeotrope			527
7352	C_4H_9Cl	1-Chlorobutane	78.5	77.0	38		527
7353	C_4H_9Cl	2-Chlorobutane	68.25	Nonazeotrope			552
7354	C_4H_9Cl	1-Chloro-2-methylpropane	68.85	Nonazeotrope			527,897
7355	$C_4H_9NO_2$	Butyl nitrite	78.2	76.7	30		527
7356	$C_4H_9NO_2$	Isobutyl nitrite	67.1	Nonazeotrope			527
7357	$C_4H_{10}O$	*n*-Butyl alcohol	117.8	Nonazeotrope			527
		"		"		v-l	27
7358	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	Nonazeotrope		v-l	19
		" 374 mm.		Nonazeotrope		v-l	19
7359	$C_4H_{10}O$	*tert*-Butyl alcohol	82.45	78.7	69		29,527
7360	$C_4H_{10}O$	Isobutyl alcohol	108.0	Nonazeotrope			527
7361	$C_4H_{10}S$	Ethyl sulfide	92.1	<79.4			566
7362	$C_4H_{11}N$	Butylamine	77.8	74.0	35		551
7363	$C_4H_{11}N$	Diethylamine	55.9	Nonazeotrope			527
7364	C_5H_6O	2-Methylfuran	63.7	Nonazeotrope			769
		"		Nonazeotrope		v-l	897
7365	$C_5H_{10}O$	Isovaleraldehyde	92.1	Nonazeotrope			552
7366	$C_5H_{10}O_2$	Isopropyl acetate	89.5	Nonazeotrope			552
7367	$C_5H_{12}O_2$	Diethoxymethane	87.95	Nonazeotrope			552
7368	C_6H_5F	Fluorobenzene	84.9	79.3	75		552
7369	C_6H_6	Benzene	80.1	78.33	44	v-l	917, 1051
		"	80.1	78.1	47	v-l	212,598c
		" 14.7 p.s.i.a.		78.2	45	v-l	940
		" 66.7 p.s.i a.		133.0	67.6	v-l	940

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No.	Formula	B-Component Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_4H_8O_2$**	**2-Butanone** *(continued)*	**79.6**				
		Benzene 118.0 p.s.i.a.		160.7	90.0	v-l	940
		" 125.0 p.s.i.a.		Nonazeotrope		v-l	940
		" 44.7 p.s.i.a.		116.5	56	v-l	784c
		" 64.7 p.s.i.a.		132.6	66	v-l	784c
		" 84.7 p.s.i.a.		145.0	76	v-l	784c
		" 112.7 p.s.i.a.		160.0	90	v-l	784c
7370	C_6H_6O	Phenol, 200-760 mm.		Nonazeotrope		v-l	116
7371	C_6H_8	1,3-Cyclohexadiene	80.8	~73	~40		563
7372	C_6H_8O	2,5-Dimethylfuran	93.3	Nonazeotrope			981
7373	C_6H_{10}	Cyclohexene	82.75	73.0	47		552
7374	C_6H_{12}	Cyclohexane	80.75	71.8	40		527
		"		71.8	44	v-l	597c
		" 14.7 p.s.i.a.		71.0	52.5		940
		" 66.7 p.s.i.a.		128.7	61.0		940
		" 118.0 p.s.i.a.		156.4	64.0		940
		" 125.0 p.s.i.a.		182.5	69.0		940
		"	80.85	71.6	45.5		503
		"	80.85	71.5	44		211
		"	80.85		42		735
7374a	C_6H_{12}	1-Hexene 710 mm.		60	17.6	v-l	362c
7375	C_6H_{14}	2,3-Dimethylbutane	58		15.1		735
		"	58.0	56.0	15		527
7376	C_6H_{14}	Hexane 661 mm.		60	31	v-l	362c
			68.8	64.3	29.5		527
		"		64.2	28.6	v-l	331
		"	68.95		29.6		735
		"	69	64	29.4		623c
7377	$C_6H_{14}O$	Propyl ether	90.1	Nonazeotrope			552
7378	$C_6H_{14}O_2$	Acetal	104.5	Nonazeotrope			563
7379	$C_6H_{15}N$	Dipropylamine	109.2	Nonazeotrope			527
7380	$C_6H_{15}N$	Triethylamine	89.35	<79.0	>75		551
7381	C_7F_{16}	Perfluoroheptane	81.6	62-63			257
7382	C_7H_8	Toluene	110.75	Nonazeotrope		v-l	917
7383	C_7H_{14}	Methylcyclohexane	101.15	77.7	80		527
		"	101.15		80		735
7384	C_7H_{16}	Heptane	98.4		73		735
		"	98.5	77	70	v-l	27
		" 293 mm.		50	70	v-l	27
		"	98.4	77	73	v-l	917
7385	C_8H_{18}	2,5-Dimethylhexane	109.4	109.0	95		576,735
A =	**C_4H_8O**	**1-Butene-3-ol**					
7386	$C_4H_{10}O_2$	2,3-Butanediol		Nonazeotrope		v-l	731
A =	**C_4H_8O**	**Butyraldehyde**	**74.8**				
7387	C_4H_8O	Isobutyraldehyde	64	Nonazeotrope			266
		"	64	Nonazeotrope		v-l	864
7388	$C_4H_8O_2$	Butyric acid	163.3	Nonazeotrope			981

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_4H_8O**	**Butyraldehyde** *(continued)*	**74.8**				
7389	$C_4H_8O_2$	Propyl formate	80.85	Nonazeotrope			575
7390	C_4H_9Cl	1-Chloro-2-methylpropane	68.85	Nonazeotrope			575
7391	$C_4H_{10}O$	Butyl alcohol	117.7	Nonazeotrope		v-l	863
7392	$C_4H_{10}O$	Isobutyl alcohol	107.8	Nonazeotrope		v-l	863
		" "	107.9	Nonazeotrope			981
7393	$C_4H_{10}O_2$	1,1-Dimethoxyethane	64.5	Nonazeotrope			981
7394	C_6H_6	Benzene	80.1	Nonazeotrope			340
7395	$C_6H_{10}O$	Mesityl oxide	128.3	Nonazeotrope			981
7396	C_6H_{14}	Hexane	68.7	60	26		981
7397	$C_6H_{14}O_2$	1,1-Dimethoxybutane	114	Nonazeotrope			981
7398	C_7H_8	Toluene	110.6	Nonazeotrope		v-l	863
7399	C_7H_{16}	Paraffins	75-80	~ 61			340
A =	**C_4H_8O**	**Isobutyraldehyde**	**63.5**				
7400	C_4H_9Cl	2-Chloro-2-methylpropane	50.8	Nonazeotrope			575
7401	$C_4H_{10}O$	Butyl alcohol	117.7	Nonazeotrope		v-l	863
7402	$C_4H_{10}O$	Isobutyl alcohol	107.8	Nonazeotrope		v-l	665,863
7403	C_6H_6	Benzene	81	Nonazeotrope?			340
7404	C_7H_8	Toluene	110.6	Nonazeotrope		v-l	863
7405	C_7H_{16}	Paraffins	75-80	~ 50			340
A =	**C_4H_8O**	**2-Methyl-2-propen-1-ol**	**113.8**				
7406	$C_8H_{14}O$	2-Methylallyl ether	134.6	114.1	81.3		899
A =	**C_4H_8O**	**Tetrahydrofuran**	**65**				
7406a	$C_5H_{10}O_2$	Tetrahydrofurfuryl alcohol		Nonazeotrope		v-l	879c
7407	C_6H_{14}	Hexane	68.9	63	53.5		233
		"	68.7	63.0	46.5		224
A =	**C_4H_8OS**	**Ethyl Thioacetate**	**116.6**				
7408	$C_4H_{10}O$	Butyl alcohol	117.8	113.5			575
7409	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	Nonazeotrope			575
7410	$C_4H_{10}O$	Isobutyl alcohol	108.0	< 107.2			575
7411	$C_5H_{12}O$	Amyl alcohol	138.2	Nonazeotrope			575
7412	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	Nonazeotrope			575
7413	$C_5H_{12}O$	3-Pentanol	116.0	< 114.0			575
7414	$C_6H_{10}S$	Allyl sulfide	139.35	Nonazeotrope			575
7415	$C_8H_{18}O$	Isobutyl ether	122.3	Nonazeotrope			575
A =	**$C_4H_8O_2$**	**Butyric Acid**	**164.0**				
7416	C_4H_9I	Iodobutane	130.4	129.8	2.5		562
7417	C_4H_9I	1-Iodo-2-methylpropane	120.8	Nonazeotrope			527
7418	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope			563
7419	$C_5H_4O_2$	2-Furaldehyde	161.45	159.4	42.5		574
7420	C_5H_5N	Pyridine	115.5	163.2	92		1068
7421	$C_5H_8O_3$	Ethyl pyruvate	155.5	Nonazeotrope			552
7422	$C_5H_9ClO_2$	Propyl chloroacetate	162.5	160.5	40		562
7423	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	Nonazeotrope			526
7424	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	Nonazeotrope			527
7425	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.6	144.4	13		527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_4H_8O_2$**	**Butyric Acid *(continued)***	**164.0**			
7426	$C_5H_{11}NO_3$	Isoamyl nitrate	149.75	147.85	12	570
7427	C_5H_{12}	2-Methylbutane	27.95	Nonazeotrope		563
7428	C_6H_4BrCl	*p*-Bromochlorobenzene	196.4	Nonazeotrope		527
7429	$C_6H_4Cl_2$	*o*-Dichlorobenzene	179.5	163.0	65	527
7430	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.4	162.0	57	527
7431	C_6H_5Br	Bromobenzene	156	147-148	19	563,834
7432	C_6H_5Cl	Chlorobenzene	132.0	131.75	2.8	527
7433	C_6H_5ClO	*o*-Chlorophenol	175.5	Nonazeotrope		563
7434	C_6H_5I	Iodobenzene	188.55	161.6		538
7435	C_6H_6O	Phenol	181.5	Nonazeotrope		527
7436	C_6H_{10}	Cyclohexene	82.75	Nonazeotrope		678
7437	$C_6H_{10}O$	Cyclohexanone	156.7	164.5		563
7438	$C_6H_{10}O_3$	Ethyl acetoacetate	180.4	Nonazeotrope		527
7439	$C_6H_{10}O_4$	Ethylidene diacetate	168.5	Nonazeotrope		527
7440	$C_6H_{10}S$	Allyl sulfide	139.35	Nonazeotrope		566
7441	$C_6H_{11}BrO_2$	Ethyl α-bromoisobutyrate	178	161.5		575
7442	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope		678
7443	$C_6H_{12}O_2$	Isoamyl formate	123.3	Nonazeotrope		575
7444	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	164.3?	18	526
7445	$C_6H_{13}Br$	1-Bromohexane	156.5	151.5	25	527
7446	$C_6H_{13}NO$	*N,N*-Dimethylbutyramide, 100 mm.	124.5	130	32.6	832
7447	$C_6H_{14}S$	Propyl sulfide	141.5	Nonazeotrope		566
7448	$C_7H_6Cl_2$	α,α-Dichlorotoluene	205.2	Nonazeotrope		542
7449	C_7H_6O	Benzaldehyde	179.2	Nonazeotrope		542
7450	C_7H_7Br	α-Bromotoluene	198.5	Nonazeotrope		575
7451	C_7H_7Br	*m*-Bromotoluene	184.3	163.62	79.5	527
7452	C_7H_7Br	*o*-Bromotoluene	181.5	163	72	527
7453	C_7H_7Br	*p*-Bromotoluene	185.0	161.5	75	541
7454	C_7H_7Cl	α-Chlorotoluene	179.3	160.8	65	542
		"	179.35	161.5	93	563
7455	C_7H_7Cl	*o*-Chlorotoluene	159.3	154.5	27	527
7456	C_7H_7Cl	*p*-Chlorotoluene	162.4	156.8	32	527
7457	C_7H_8	Toluene	110.7	Nonazeotrope		527
7458	C_7H_8O	Anisole	153.85	152.85	12	527
7459	C_7H_{14}	Methylcyclohexane	101.8	Nonazeotrope		527,678
7460	$C_7H_{14}O$	5-Methyl-2-hexanone	144.2	Nonazeotrope		527
7641	$C_7H_{14}O_3$	Methyl-1,3-butanediol acetate	171.75	172.0?	5?	575
7462	C_7H_{16}	*n*-Heptane	98.4	Nonazeotrope		527
7463	C_8H_8	Styrene	145.8	143.5	15	575
7464	C_8H_9Cl	*o,m,p*-Chloroethylbenzene, 10 mm.	67.5	63.3	34	51
7465	C_8H_{10}	Ethylbenzene	136.15	135.8	4	575
7466	C_8H_{10}	*m*-Xylene	139.0	138.5	6	527
7467	C_8H_{10}	*o*-Xylene	144.3	143.0	10	527
7468	C_8H_{10}	*p*-Xylene	138.45	137.8	5.5	527

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_4H_8O_2$**	**Butyric Acid** *(continued)*	**164.0**				
7469	$C_8H_{10}O$	Benzyl methyl ether	167.8	160.0	55		562
7470	$C_8H_{10}O$	Phenetole	170.5	162.35	65		556
7471	$C_8H_{14}O$	Methylheptenone	173.2	Nonazeotrope			527
7472	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	Nonazeotrope			575
7473	$C_8H_{16}O$	2-Octanone	172.85	Nonazeotrope			527
7474	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope			527
7475	$C_8H_{16}O_2$	Isoamyl propionate	160.7	Nonazeotrope			527
7476	$C_8H_{16}O_2$	Isobutyl butyrate	156.8	Nonazeotrope			527
7477	$C_8H_{16}O_2$	Isobutyl isobutyrate	148.6	Nonazeotrope			575
7478	C_8H_{18}	Octane	125.75	< 124.5	<15		562
7479	$C_8H_{18}O$	Isobutyl ether	122.3	Nonazeotrope			527
7480	$C_8H_{18}O$	Butyl ether	141.0	Nonazeotrope			543
7481	$C_8H_{18}S$	Butyl sulfide	185.0	Nonazeotrope			566
7482	$C_8H_{18}S$	Isobutyl sulfide	172.0	< 162.5	<78		566
7483	C_9H_8	Indene	182.6	163.65	84		527
7484	C_9H_{12}	Cumene	152.8	149.5	20		527
7485	C_9H_{12}	Mesitylene	164.6	158.0	38		527
7486	C_9H_{12}	Propylbenzene	158.9	154.5	28		527
7487	C_9H_{12}	Pseudocumene	169	159.5	45		527
7488	$C_9H_{12}O$	Benzyl ethyl ether	185.0	Nonazeotrope			527
7489	$C_9H_{12}O$	Phenyl propyl ether	190.5	Nonazeotrope			575
7490	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	Nonazeotrope			527
7491	$C_9H_{18}O_2$	Isoamyl butyrate	178.5	Nonazeotrope			527
7492	$C_9H_{18}O_2$	Isoamyl isobutyrate	170.0	Nonazeotrope			545
7493	$C_9H_{18}O_2$	Isobutyl isovalerate	172.2	Nonazeotrope			527
7494	$C_{10}H_8$	Naphthalene	218.1	Nonazeotrope			527
7495	$C_{10}H_{14}$	Butylbenzene	183.1	162.5	75		562
7496	$C_{10}H_{14}$	Cymene	176.7	161.0	60		527
7497	$C_{10}H_{16}$	Camphene	159.6	152.3	2.8		527
7498	$C_{10}H_{16}$	*d*-Limonene	177.8	160.75	55		563
7499	$C_{10}H_{16}$	Nopinene	164	156	38		527
7500	$C_{10}H_{16}$	α-Phellandrene	~ 171.5	160	~ 47		563
7501	$C_{10}H_{16}$	α-Pinene	155.8	150.2	28		527
7502	$C_{10}H_{16}$	α-Terpinene	173.4	160.65	46		575
7503	$C_{10}H_{16}$	γ-Terpinene	183	161.5	70		563
7504	$C_{10}H_{16}$	Terpinolene	184.6	162.5	72		575
7505	$C_{10}H_{16}$	Terpinylene	~ 175	160.5	40		563
7506	$C_{10}H_{16}$	Thymene	179.7	160.5	68		541
7507	$C_{10}H_{17}Cl$	Bornyl chloride	207.5	Nonazeotrope			575
7508	$C_{10}H_{18}O$	Cineol	176.35	Nonazeotrope			527
7509	$C_{10}H_{22}$	2,7-Dimethyloctane	160.2	152.5	33		527
7510	$C_{10}H_{22}O$	Amyl ether	187.5	Nonazeotrope			527
7511	$C_{10}H_{22}O$	Isoamyl ether	173.2	161.8	54		556
7512	$C_{11}H_{24}$	Undecane	194.5	162.4	84.5		1068
7513	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope			527
A =	**$C_4H_8O_2$**	**Dioxane**	**101.35**				
7514	$C_4H_8O_2$	Ethyl acetate		Nonazeotrope		v-l	249

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No.	Formula	B-Component Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_4H_8O_2$**	**Dioxane** *(continued)*	**101.35**				
		" 200–700 mm.				v-l	249c
		" 20°C.				v-l	916
		" 30°C.				v-l	916
7515	$C_4H_8O_2$	Isobutyric acid	154.6	Nonazeotrope			527
7516	C_4H_9Br	1-Bromobutane	101.5	98.0	47		527
7517	C_4H_9Br	1-Bromo-2methylpropane	91.4	Nonazeotrope			527
7518	C_4H_9Cl	1-Chloro-2-methylpropane	68.8	Nonazeotrope			215
7519	$C_4H_{10}O$	Butyl alcohol	117.8	Nonazeotrope			527
		"	117.75	Nonazeotrope		v-l	639
7520	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	< 98.8	<60		527
7521	$C_4H_{10}O$	*tert*-Butyl alcohol	82.45	Nonazeotrope			527
7522	$C_4H_{10}O$	Isobutyl alcohol	108	101.3			612
		"	108.0	Nonazeotrope			527,1038
7523	$C_4H_{11}N$	Diethylamine		Nonazeotrope		v-l	249
		200–700 mm.				v-l	249c
7524	C_5H_5N	Pyridine	115.4	Nonazeotrope			527
7525	$C_5H_{10}O$	3-Methyl-2-butanone	95.4	Nonazeotrope			575
7526	$C_5H_{10}O_2$	Isobutyl formate	98.2	Nonazeotrope			527
7527	$C_5H_{10}O_2$	Isopropyl acetate	89.5	Nonazeotrope			557
7528	$C_5H_{10}O_2$	Methyl butyrate	102.65	< 100.9			557
7529	$C_5H_{10}O_2$	Propyl acetate	101.6	< 100.8			557
7530	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	Nonazeotrope			557
7531	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.4	97.5	36		527
7532	$C_5H_{11}N$	Piperidine	106.4	Nonazeotrope			575
7533	$C_5H_{11}NO_2$	Isoamyl nitrite	97.15	Nonazeotrope			527
7534	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	100.65	80		575
7535	$C_5H_{12}O$	2-Pentanol	119.8	Nonazeotrope			527
7536	$C_5H_{12}O$	3-Pentanol	116.0	Nonazeotrope			575
7537	C_6H_6	Benzene	80.15	Nonazeotrope			527
		"	80.2	82.4	12		201
		" 25°C.		Nonazeotrope		v-l	957
		" 200-760 mm.		Nonazeotrope		v-l	348
7538	C_6H_{10}	Cyclohexene	82.75	< 81.8	>20		558
7539	$C_6H_{10}O$	Cyclohexanone	156.7	Nonazeotrope			201
7540	C_6H_{12}	Cyclohexane	80.75	79.5	24.6		201
7541	C_6H_{12}	1-Hexene	63.5	Nonazeotrope		v-l	933
7542	C_6H_{12}	Methylcyclopentane	72.0	< 71.5	> 5		527
7543	$C_6H_{12}O$	Cyclohexanol	160.65	Nonazeotrope			201
7544	$C_6H_{12}O$	Pinacolone	106.2	Nonazeotrope			575
7545	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	Nonazeotrope			557
7546	$C_6H_{12}O_2$	Isobutyl acetate	117.4	Nonazeotrope			527
7547	C_6H_{14}	Hexane	68.74	Nonazeotrope		v-l	933
7548	$C_6H_{14}O$	Isopropyl ether	68.3	Nonazeotrope			981
7549	$C_6H_{15}BO_3$	Ethyl borate	118.6	100.7	92		557
7550	C_7H_8	Toluene	110.75	Nonazeotrope			527,1038
		"	110.7	101.8	80		201,241
		" 200-760 mm.		Nonazeotrope		v-l	348

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_4H_8O_2$**	**Dioxane *(continued)***	**101.35**				
7551	C_7H_{14}	Methylcyclohexane	101.15	93.7	>45		527
7552	C_7H_{16}	Heptane	98.4	91.85	44		527
7553	C_8H_{18}	2,5-Dimethylhexane	109.4	97.0	65		527
7554	C_8H_{18}	*n*-Octane	125.75	< 100.5			527
7555	C_nH_{2n+2}	Paraffins	109.5-110.5	96.6-98.9			241
A =	**$C_4H_8O_2$**	***m*-Dioxane**	**105**				
7556	C_7H_8	Toluene	110.7		85		528
A =	**$C_4H_8O_2$**	**Ethyl Acetate**	**77.1**				
7557	$C_4H_8O_2$	Isopropyl formate	68.8	Nonazeotrope			575
7558	$C_4H_8O_2$	Methyl propionate	79.85	Nonazeotrope			532
7559	$C_4H_8O_2$	Propyl formate	80.85	Nonazeotrope			575
7560	C_4H_9Br	1-Bromo-2-methylpropane	91.4	Nonazeotrope			547
7561	C_4H_9Br	2-Bromo-2-methylpropane	73.5	71.5	30		563
7562	C_4H_9Cl	1-Chlorobutane	78.05	76.0	<35		547
7563	C_4H_9Cl	2-Chlorobutane	68.25	Nonazeotrope			575
7564	C_4H_9Cl	1-Chloro-2-methylpropane	68.9	Nonazeotrope			563
7565	$C_4H_9NO_2$	Butyl nitrite	78.2	76.3	71		527
7566	$C_4H_9NO_2$	Isobutyl nitrite	67.1	Nonazeotrope			550
7567	$C_4H_{10}O$	Butyl alcohol	117.7	Nonazeotrope			589
		" 725 mm.		Nonazeotrope		v-l	607
7568	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	Nonazeotrope			575
7569	$C_4H_{10}O$	*tert*-Butyl alcohol	82.45	76.0	73		570
7570	$C_4H_{10}O$	Isobutyl alcohol	108.0	Nonazeotrope			575
		"	108.0	B.p. curve			563
		" 100-760 mm.				v-l	924
7571	$C_4H_{10}O_2$	2-Ethoxyethanol	135.1	Nonazeotrope		v-l	657
7572	$C_4H_{10}S$	Ethyl sulfide	92.2	Nonazeotrope			532
7573	$C_4H_{11}N$	Diethylamine	55.9	Nonazeotrope		v-l	249
		200–700 mm.				v-l	249c
7574	$C_5H_4O_2$	2-Furaldehyde	161.45	Nonazeotrope			1030
7574a	$C_5H_{10}O$	2-Methyl-3-buten-2-ol	97	Nonazeotrope			581c
7575	$C_5H_{10}O$	Isovaleraldehyde	92.3	Nonazeotrope			548
7576	$C_5H_{10}O_2$	Ethyl propionate	99.12	Nonazeotrope (b.p. curve)			1045
7577	$C_5H_{12}O_2$	Diethoxymethane	87.95	Nonazeotrope			527
7578	C_6H_5Cl	Chlorobenzene	131.8	Nonazeotrope			563
7579	C_6H_5F	Fluorobenzene	84.9	Nonazeotrope			575
7580	C_6H_6	Benzene	80.2	Nonazeotrope			834,943
		"	80.1	Nonazeotrope		v-l	146,137 147
7581	C_6H_8	1,3-Cyclohexadiene	80.8	73.5			563
7582	C_6H_{10}	Cyclohexene	82.75	75.5	<85		563
7582a	$C_6H_{10}O_3$	Ethyl acetoacetate 100 mm.		Nonazeotrope		v-l	491e
7583	C_6H_{12}	Cyclohexane	80.75	72.8	54		563
		"	80.75	71.6	56	v-l	146,147

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_4H_8O_2$**	**Ethyl Acetate** *(continued)*	**77.1**				
		Cyclohexane 233 mm.		38.7	50.1		924
		" 301 mm.		45.1	51		924
		" 415 mm.		53.6	52.3		924
		" 581 mm.		63.0	54.1		924
		" 756 mm.		71.1	55.3		924
7584	C_6H_{12}	Methylcyclopentane	72.0	67.2	38		575
7585	$C_6H_{12}O_2$	Butyl acetate	126.1	Nonazeotrope			981
7586	$C_6H_{12}O_2$	Ethyl butyrate	119.9	Nonazeotrope			563
7587	C_6H_{14}	2,3-Dimethylbutane	58.0	< 57.2	10		575
7588	C_6H_{14}	*n*-Hexane	68.8	65.1			571
		"	68.7	65.15	37.9	v-l	331
7589	$C_6H_{14}O$	Propyl ether	90.55	Nonazeotrope			557
7590	$C_6H_{14}O_2$	2-Butoxyethanol	171.1	Nonazeotrope			981
7591	C_7H_8	Toluene	110.6	Nonazeotrope		v-l	43
		"	110.7	Nonazeotrope			589
7592	C_7H_{14}	Methylcyclohexane	101.1	Nonazeotrope			537
7594	C_7H_{16}	Heptane	98.4	< 76.9	<94		575
		"	98.45	Nonazeotrope			537
7594	C_8H_{10}	*p*-Xylene	138.4	Nonazeotrope		v-l	43
A =	**$C_4H_8O_2$**	**Isobutyric Acid**	**154.6**				
7595	C_4H_9I	Iodobutane	130.4	128.8	7		562
7596	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5			v-l	644
7597	$C_4H_{10}O$	Ethyl ether	34.6	Vapor pressure data			563
7598	$C_5H_4O_2$	2-Furaldehyde	161.45	153.8			575
7599	C_5H_8O	Cyclopentanone	130.65	Nonazeotrope			575
7600	$C_5H_8O_3$	Ethyl pyruvate	155.5	153.0	60		552
7601	$C_5H_8O_3$	Methyl acetoacetate	169.5	Nonazeotrope			552
7602	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	Nonazeotrope			575
		"	144.6	159.5	62		526
7603	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	120.2	3		575
7604	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	143.8	22		541
7605	$C_5H_{11}NO_3$	Isoamyl nitrate	149.75	146.25	30		570
7606	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.5	153.0	~ 75		538
7607	C_6H_5Br	Bromobenzene	156.15	148.6	35		563
7608	C_6H_5Cl	Chlorobenzene	132.0	131.2	8		541
7609	C_6H_5I	Iodobenzene	188.55	154.2			542
7610	C_6H_6O	Phenol	182.2	Nonazeotrope			575
7611	$C_6H_{10}O$	Cyclohexanone	155.7	152.5			575
7612	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	159.2	38		575
7613	$C_6H_{12}O_3$	Paraldehyde	123.2	Nonazeotrope			541
7614	$C_6H_{13}Br$	1-Bromohexane	156.5	148.0	35		562
7615	$C_6H_{13}ClO_2$	Chloroacetal	156.8	~ 153			563
7616	$C_7H_6Cl_2$	α,α-Dichlorotoluene	205.2	Nonazeotrope			575
7617	C_7H_6O	Benzaldehyde	179.2	Nonazeotrope			563
7618	C_7H_7Br	α-Bromotoluene	198.5	Nonazeotrope			575
7619	C_7H_7Br	*o*-Bromotoluene	181.5	153.9	85		541

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_4H_8O_2$**	**Isobutyric Acid** ***(continued)***	**154.6**			
7620	C_7H_7Cl	α-Chlorotoluene	179.3	153.5	80	541
7621	C_7H_7Cl	*o*-Chlorotoluene	159.3	< 150.0	42	538
7622	C_7H_7Cl	*p*-Chlorotoluene	162.4	151.5	47	538
7623	C_7H_8	Toluene	110.75	Nonazeotrope		542
7624	C_7H_8O	Anisole	153.85	149	42	556
7625	$C_7H_{14}O$	4-Heptanone	143.55	Nonazeotrope		552
7626	$C_7H_{14}O$	5-Methyl-2-hexanone	144.2	Nonazeotrope		552
7627	$C_7H_{14}O_2$	Isoamyl acetate	142.1	Nonazeotrope		575
7628	$C_7H_{14}O_2$	Propyl butyrate	143.7	Nonazeotrope		575
7629	$C_7H_{14}O_2$	Methyl,-1,3-butanediol acetate	171.75	Nonazeotrope		575
7630	C_8H_8	Styrene	145.8	142.0	27	562
7631	C_8H_{10}	Ethylbenzene	136.15	134.3	12	541
		"	136.15	133.0	8.8	227
		" 30 mm.		48.0	0.8	227
7632	C_8H_{10}	Mixed xylenes		133.0	10.0	227
		" 56 mm.		62	1.0	227
7633	C_8H_{10}	*m*-Xylene	139.0	136.9	15	527
7634	C_8H_{10}	*o*-Xylene	144.3	141.0	22	562
7635	C_8H_{10}	*p*-Xylene	138.4	136.4	13	541
7636	$C_8H_{10}O$	Benzyl methyl ether	170.5	Nonazeotrope		563
7637	$C_8H_{10}O$	*p*-Methylanisole	177.05	Nonazeotrope		575
7638	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope		542
7639	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	< 120.2	<10	575
7640	$C_8H_{16}O_2$	Isoamyl propionate	160.7	Nonazeotrope		575
7641	$C_8H_{16}O_2$	Ethyl caproate	167.7	Nonazeotrope		575
7642	$C_8H_{16}O_2$	Isobutyl butyrate	156.9	Nonazeotrope		575
7643	$C_8H_{16}O_2$	Isobutyl isobutyrate	148.6	Nonazeotrope		575
7644	$C_8H_{16}O_2$	Propyl isovalerate	155.7	Nonazeotrope		575
7645	C_8H_{18}	Octane	125.75	< 124.0	<18	575
7646	$C_8H_{18}O$	Butyl ether	142.4	< 140.5	<22	562
7647	$C_8H_{18}O$	Isobutyl ether	122	Nonazeotrope		556
7648	C_9H_8	Indene	182.4	Nonazeotrope		543
7649	C_9H_{12}	Cumene	152.8	146.8	35	562
7650	C_9H_{12}	Mesitylene	164.6	151.8	~ 57	541
		"	164.0	148.5	~ 48	563
7651	C_9H_{12}	Propylbenzene	158.9	149.3	49	541
7652	C_9H_{12}	Pseudocumene	168.2	152.3	63	541
7653	$C_9H_{12}O$	Benzyl ethyl ether	185.0	Nonazeotrope		575
7654	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	Nonazeotrope		552
7655	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope		575
7656	$C_{10}H_{14}$	Cymene	176.7	153.4	80	562
7657	$C_{10}H_{16}$	Camphene	159.6	148.1	45	541
7658	$C_{10}H_{16}$	*d*-Limonene	177.8	152.5	78	542
7659	$C_{10}H_{16}$	Nopinene	163.8	149.2	52	562

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_4H_8O_2$**	**Isobutyric Acid** *(continued)*	**154.6**			
7660	$C_{10}H_{16}$	α-Pinene	155.8	146.7	35	563
7661	$C_{10}H_{16}$	α-Phellandrene	171.5	150	~ 72	563
7662	$C_{10}H_{16}$	α-Terpinene	173.4	152.0	70	562
7663	$C_{10}H_{16}$	Thymene	179.7	~ 154.0		541
7664	$C_{10}H_{18}$	Cineol	176.35	Nonazeotrope		575
7665	$C_{10}H_{22}$	Decane	173.3	< 151.2	<72	562
7666	$C_{10}H_{22}$	2,7-Dimethyloctane	160.2	148.55	48	542
7667	$C_{10}H_{22}O$	Isoamyl ether	173.2	154.2	93	575
A =	**$C_4H_8O_2$**	**Isopropyl Formate**	**68.8**			
7668	C_4H_9Cl	1-Chloro-2-methylpropane	68.85	65	48	547
7669	$C_4H_9NO_2$	Isobutyl nitrite	67.1	65.5	40	549
7670	C_5H_{10}	Cyclopentane	49.4	< 47.0	18	562
7671	C_6H_6	Benzene	68.8	Nonazeotrope		575
7672	C_6H_{12}	Methylcyclopentane	72.0	< 61.5	55	562
7673	C_6H_{14}	Hexane	68.8	57.0	48	562
A =	**$C_4H_8O_2$**	**Methyl Propionate**	**79.85**			
7674	$C_4H_8O_2$	Propyl formate	80.85	Nonazeotrope		531
7675	C_4H_9Br	2-Bromobutane	91.2	Nonazeotrope		575
7676	C_4H_9Br	1-Bromo-2-methylpropane	91.4	Nonazeotrope		547
7677	C_4H_9Br	2-Bromo-2-methylpropane	73.25	Nonazeotrope		547
7678	C_4H_9Cl	1-Chlorobutane	78.05	76.8	~ 38	538
7679	C_4H_9Cl	1-Chloro-2-methylpropane	68.9	Nonazeotrope		563
7680	$C_4H_9NO_2$	Butyl nitrite	78.2	77.7	12	549
7681	$C_4H_{10}O$	Butyl alcohol	117.8	Nonazeotrope		527
7682	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	Nonazeotrope		575
7683	$C_4H_{10}O$	*tert*-Butyl alcohol	82.55	77.6	~63	536
7684	$C_4H_{10}S$	Ethyl sulfide	92.2	Nonazeotrope		532
7685	$C_5H_{10}O$	Isovaleraldehyde	92.3	Nonazeotrope		548
7686	$C_5H_{12}O_2$	Diethoxymethane	87.95	Nonazeotrope		557
7687	C_6H_6	Benzene	80.2	79.45	52	572
7688	C_6H_{10}	Cyclohexene	82.75	~ 75.5		563
7689	C_6H_{12}	Cyclohexane	80.75	75	52	573
7690	C_6H_{12}	Methylcyclopentane	72.0	69.5	28	562
7691	C_6H_{14}	*n*-Hexane	68.95	67	~12	573
7692	$C_6H_{14}O$	Propyl ether	90.55	Nonazeotrope		557
7693	C_7H_{14}	Methylcyclohexane	101.1	Nonazeotrope		546
		"	101.1	79.3	88.5	1038
7694	C_7H_{16}	Heptane	98.4	<79.6	<92	575
		"	98.5	Nonazeotrope		546
A =	**$C_4H_8O_2$**	**Propyl Formate**	**80.85**			
7695	C_4H_9Br	2-Bromobutane	91.2	Nonazeotrope		575
7696	C_4H_9Br	1-Bromo-2-methylpropane	91.4	Nonazeotrope		547
7697	C_4H_9Br	2-Bromo-2-methylpropane	73.3	71.8	28	573
7698	C_4H_9Cl	1-Chlorobutane	78.5	76.1	38	570
7699	C_4H_9Cl	2-Chlorobutane	68.25	Nonazeotrope		575
7700	C_4H_9Cl	1-Chloro-2-methylpropane	68.85	Nonazeotrope		570
7701	$C_4H_9NO_2$	Butyl nitrite	78.2	76.8	35	549
7702	$C_4H_{10}O$	Butyl alcohol	117.75	Nonazeotrope		527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_4H_8O_2$**	**Propyl Formate** *(continued)*	**80.85**			
7703	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	Nonazeotrope		575
7704	$C_4H_{10}O$	*tert*-Butyl alcohol	82.6	78.0	60	537
7705	$C_4H_{10}O$	Isobutyl alcohol	107.85	Nonazeotrope		536
7706	$C_4H_{10}S$	Ethyl sulfide	92.1	<80.2	<87	575
		"	92.2	Nonazeotrope		532
7707	$C_4H_{10}S$	Butanethiol	97.5	Nonazeotrope		566
7708	C_5H_{10}	Cyclopentane	49.3	Nonazeotrope		575
7709	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.8	Nonazeotrope		547
7710	$C_5H_{12}O_2$	Diethoxymethane	87.95	Nonazeotrope		527
7711	C_6H_5F	Fluorobenzene	84.9	<79.5	<78	575
7712	C_6H_6	Benzene	80.2	78.5	47	572
7713	C_6H_{10}	Cyclohexene	82.75	<75.0	<53	575
7714	C_6H_{12}	Cyclohexane	80.75	75	48	573
7715	C_6H_{12}	Methylcyclopentane	72.0	<67.5	<35	575
7716	C_6H_{14}	2,3-Dimethylbutane	58.0	56.0	15	562
7717	C_6H_{14}	*n*-Hexane	68.95	63	~20	571
		"	68.95	63.6	29.5	946
7718	$C_6H_{14}O$	Propyl ether	90.55	Nonazeotrope		557
7719	$C_6H_{14}O_2$	Acetal	103.55	Nonazeotrope		557
7720	C_7H_8	Toluene	110.75	Nonazeotrope		575
7721	C_7H_{14}	Methylcyclohexane	101.15	< 80.2	<88	575
7722	C_7H_{16}	Heptane	98.5	78.2	71	527
7723	C_8H_{18}	2,5-Dimethylhexane	109.4	Nonazeotrope		575
A =	**$C_4H_8O_3$**	**Glycol Monoacetate**	**190.9**			
7724	$C_5H_4O_2$	2-Furaldehyde	161.45	Nonazeotrope		527
7725	$C_5H_{12}O_3$	2-(2-Methoxyethoxy) ethanol	192.95	<188.0	>65	575
7726	$C_6H_4Cl_2$	*o*-Dichlorobenzene	179.5	<179.3		575
7727	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.4	Nonazeotrope		527
7728	C_6H_5I	Iodobenzene	188.45	184.0		567
7729	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope		527
7730	C_6H_6O	Phenol	182.2	197.5	65	527
7731	$C_6H_8O_4$	Methyl fumarate	193.25	<189.0	<65	527
7732	$C_6H_{10}O_4$	Ethyl oxalate	185.65	Nonazeotrope		527
7733	$C_6H_{11}NO_2$	Nitrocyclohexane	205.4	Nonazeotrope		575
7734	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	Nonazeotrope		527
7735	C_7H_7Br	*m*-Bromotoluene	184.3	182.0	32	567
7736	C_7H_7Cl	*p*-Chlorotoluene	162.4	Nonazeotrope		575
7737	C_7H_8O	Benzyl alcohol	205.25	Nonazeotrope		527
7738	C_7H_8O	*m*-Cresol	202.2	206.5	31	527
7739	C_7H_8O	*o*-Cresol	191.1	199.45	51	569
7740	C_7H_8O	*p*-Cresol	201.7	206.0	33	527
7741	$C_7H_8O_2$	Guaiacol	205.05	Nonazeotrope		527
7742	$C_7H_{13}ClO_2$	Isoamyl chloroacetate	195	189.3	50	575
7743	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetal	171.75	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_4H_8O_3$**	**Glycol Monoacetate** *(continued)*	**190.9**			
7744	$C_7H_{16}O$	Heptyl alcohol	176.15	Nonazeotrope		575
7745	C_8H_8O	Acetophenone	202.0	Nonazeotrope		527
7746	$C_8H_8O_2$	Methyl benzoate	199.4	Nonazeotrope		527
7647	$C_8H_8O_2$	Phenyl acetate	195.7	<190.0		575
7748	$C_8H_{10}O$	Benzyl methyl ether	167.8	<167.0		575
7749	$C_8H_{10}O$	Phenethyl alcohol	219.4	Nonazeotrope		527
7750	$C_8H_{10}O$	2,4-Xylenol	~210.5	<212.0	<18	575
7751	$C_8H_{12}O_4$	Ethyl fumarate	217.85	Nonazeotrope		527
7752	$C_8H_{18}O$	Octyl alcohol	195.2	189.5	71	527
7753	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	<180.3		527
7754	C_9H_8	Indene	182.6	180.0	20	575
7755	$C_9H_{10}O_2$	Ethyl benzoate	212.5	Nonazeotrope		527
7756	$C_9H_{12}O$	Benzyl ethyl ether	185.0	180.5	35	575
7757	$C_9H_{14}O$	Phorone	197.8	Nonazeotrope		552
7758	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	180.2	21	527
7759	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	Nonazeotrope		575
7760	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		527
7761	$C_{10}H_{14}$	Butylbenzene	183.1	< 181.5		527
7762	$C_{10}H_{18}O$	Borneol	215.0	Nonazeotrope		575
7763	$C_{10}H_{18}O$	Cineol	176.35	174.1	22	527
7764	$C_{10}H_{18}O$	Citronellal	208.0	Nonazeotrope		527
7765	$C_{10}H_{20}O$	Menthol	216.3	Nonazeotrope		527
7766	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	187.0	57	527
7767	$C_{10}H_{20}O_2$	Ethyl caprylate	208.35	Nonazeotrope		527
7768	$C_{10}H_{22}O$	Amyl ether	187.5	180.8	42	556
7769	$C_{10}H_{22}O$	Isoamyl ether	173.2	170.2	28	556
7770	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	185.0	60	575
7771	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		575
A =	**$C_4H_8O_3$**	**Methyl Lactate**	**143.8**			
7772	C_4H_9I	1-Iodobutane	130.4	<128.5	>20	567
7773	C_4H_9I	1-Iodo-2-methylpropane	120.8	<120.0	> 6	575
7774	$C_4H_{10}O$	Butyl alcohol	117.8	Nonazeotrope		575
7775	$C_4H_{10}O_2$	2-Ethoxyethanol	135.3	Nonazeotrope		575
7776	C_5H_8O	Cyclopentanone	130.65	Nonazeotrope		552
7777	$C_5H_{10}O$	Cyclopentanol	140.85	<140.2	<81	575
7778	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	143.2	55	575
7779	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	139.0	52	567
7780	$C_5H_{11}NO_3$	Isoamyl nitrate	149.75	141.4	168	527
7781	$C_5H_{12}O$	Amyl alcohol	138.2	<138.0		575
7782	$C_5H_{12}O$	Isoamyl alcohol	131.9	Nonazeotrope		527
7783	$C_5H_{12}O$	2-Pentanol	119.8	Nonazeotrope		575
7784	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	Nonazeotrope		526
7785	C_6H_5Br	Bromobenzene	156.1	141.5	22	567
		"	156.1	Nonazeotrope		535
7786	C_6H_5Cl	Chlorobenzene	131.75	<130.8		575
7787	C_6H_6O	Phenol	182.2	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_4H_8O_3$**	**Methyl Lactate** *(continued)*	**143.8**			
7788	$C_6H_{10}O$	Cyclohexanone	155.7	Nonazeotrope		552
7789	$C_6H_{10}O$	Mesityl oxide	129.45	Nonazeotrope		552
7790	$C_6H_{12}O$	Cyclohexanol	160.65	Nonazeotrope		563
7791	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope		526
7792	$C_6H_{14}O$	Hexyl alcohol	157.85	Nonazeotrope		575
7793	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	Nonazeotrope		575
7794	$C_6H_{14}S$	Propyl sulfide	141.5	<138.0	<40	566
7795	C_7H_8	Toluene	110.75	~ 110.4	~ 18	573
7796	C_7H_8O	Anisole	153.85	142.8	82	556
7797	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope		575
7798	$C_7H_{14}O$	4-Heptanone	143.55	142.7	47	552
7799	$C_7H_{14}O_2$	Butyl propionate	146.5	~ 141.3	>55	548
7800	$C_7H_{14}O_2$	Isobutyl propionate	137.5	135.8	40	575
7801	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	Nonazeotrope		532
7802	$C_7H_{14}O_2$	Ethyl valerate	145.45	140.0	58	527
7803	$C_7H_{14}O_2$	Isoamyl acetate	142.1	~ 138.5	44	529
7804	$C_7H_{14}O_2$	Methyl caproate	149.8	141.7	70	575
7805	$C_7H_{14}O_2$	Propyl butyrate	142.8	137.5	46	572
7806	$C_7H_{14}O_2$	Propyl isobutyrate	134.7	Nonazeotrope		532
7807	C_8H_8	Styrene	145.8	~ 134.5	~ 50	548
		26 mm.			~ 33 vol. %	342
7808	C_8H_{10}	Ethylbenzene	136.15	129.4	35	573
		26 mm.			~ 26 vol. %	342
7809	C_8H_{10}	*m*-Xylene	139.0	131.2	42.5	527
7810	C_8H_{10}	*p*-Xylene	138.2	130.8	40	573
7811	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope		575
7812	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope		575
7813	$C_8H_{16}O_2$	Isoamyl propionate	160.7	Nonazeotrope		575
7814	$C_8H_{16}O_2$	Isobutyl isobutyrate	147.3	141.5	70	527
7815	$C_8H_{16}O_2$	Propyl isovalerate	155.7	Nonazeotrope		548
7816	C_8H_{18}	2,5-Dimethylhexane	109.4	<108.5	<17	575
7817	C_8H_{18}	Octane	125.8	120.3	30	567
7818	$C_8H_{18}O$	Butyl ether	142.4	137.0	42	575
7819	C_9H_{12}	Cumene	152.8	137.8	62	567
7820	C_9H_{12}	Mesitylene	164.6	142.0	>85	548
7821	C_9H_{12}	Propylbenzene	158.9	140	~ 88	538
7822	C_9H_{12}	Pseudocumene	168.2	~ 143.0	<90	575
7823	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		575
7824	$C_{10}H_{16}$	Camphene	159.6	140	85	573
7825	$C_{10}H_{16}$	*d*-Limonene	177.8	Nonazeotrope		535
7826	$C_{10}H_{16}$	Nopinene	163.8	138.5	70	567
7827	$C_{10}H_{16}$	α-Pinene	155.8	<144.2	>90	563
7828	$C_{10}H_{16}$	α-Terpinene	173.4	<142.5	<88	575
7829	$C_{10}H_{22}$	2,7-Dimethyloctane	160.1	137.8	68	567
A =	**$C_4H_8O_3$**	**Propylene Glycol Monoformate**				
7830	C_nH_m	Hydrocarbons		min. b.pt.		618

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**C_4H_8S**	**Tetrahydrothiophene**	**118.8**			
7831	C_5H_5N	Pyridine	115.4	113.5	45	553
7832	C_5H_7N	1-Methylpyrrol	112.8	111.5	18	575
7833	$C_5H_{10}O$	3-Pentanone	102.05	Nonazeotrope		575
7834	$C_5H_{10}O_2$	Isobutyl formate	98.2	Nonazeotrope		566
7835	$C_5H_{10}O_2$	Propyl acetate	101.6	Nonazeotrope		566
7836	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.4	Nonazeotrope		566
7837	$C_5H_{12}O_2$	Diethoxymethane	87.95	Nonazeotrope		575
7838	$C_6H_{12}O$	Pinacolone	106.2	Nonazeotrope		575
7839	$C_6H_{14}O$	Propyl ether	90.1	Nonazeotrope		575
7840	$C_6H_{14}O_2$	Acetal	103.55	Nonazeotrope		575
7841	$C_6H_{14}S$	Isopropyl sulfide	120.5	<117.5	>60	575
		"	119.25	118.40		205
7842	C_7H_8	Toluene	110.75	Nonazeotrope		205,566
7843	C_7H_{16}	Heptane	98.4	Nonazeotrope		566
7844	C_8H_{16}	*trans*-1,3-Dimethylcyclohexane	120.30	115.90	43.1	205
7845	C_8H_{16}	Ethylcyclohexane	131.85	120.46	80.7	205
7846	C_8H_{18}	2,5-Dimethylhexane	109.15	107.95	16.8	205
		"	109.4	<109.1	> 6	575
7847	C_8H_{18}	2-Methylheptane	117.70	113.96	38.2	205
7849	C_8H_{18}	Octane	125.70	117.79	60.3	205
A =	**C_4H_9Br**	**1-Bromobutane**	**101.5**			
7849	C_4H_9Cl	1-Chlorobutane	77.9	Nonazeotrope		
				Vapor pressure data		899
7850	$C_4H_{10}O$	Butyl alcohol	117.8	98.6	87	527
7851	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	93.0	70	567
7852	$C_4H_{10}O$	*tert*-Butyl alcohol	82.45	< 81.8	<37	575
7853	$C_4H_{10}O$	Isobutyl alcohol	107.85	95	79	573
7854	$C_4H_{10}S$	Ethyl sulfide	92.1	Nonazeotrope		566
7855	$C_5H_{10}O$	2-Pentanone	102.35	100.1	63	552
7856	$C_5H_{10}O$	3-Pentanone	102.05	100.0	63	552
7857	$C_5H_{10}O_2$	Butyl formate	106.7	100.0	75	547
7858	$C_5H_{10}O_2$	Ethyl propionate	99.1	< 98.8		575
7859	$C_5H_{10}O_2$	Isobutyl formate	98.2	95.5	>35	547
7860	$C_5H_{10}O_2$	Isopropyl acetate	89.5	Nonazeotrope		575
7861	$C_5H_{10}O_2$	Methyl butyrate	102.65	99.5	65	547
7862	$C_5H_{10}O_2$	Methyl isobutyrate	92.5	Nonazeotrope		547
7863	$C_5H_{10}O_2$	Propyl acetate	101.6	99.9	52	526
		"	101.6	100.0	55	547
7864	$C_5H_{11}NO_2$	Isoamyl nitrite	97.15	Nonazeotrope		550
7865	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	< 97.8	<74	575
7866	$C_5H_{12}O$	Isoamyl alcohol	131.9	Nonazeotrope		527
7867	$C_5H_{12}O$	3-Methyl-2-butanol	112.9	99.7	86	567
7868	$C_5H_{12}O$	3-Pentanol	116.0	<100.7	>86	575
7869	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope		**554**
7870	$C_6H_{10}S$	Allyl sulfide	139.35	Nonazeotrope		566
7871	$C_6H_{12}O$	4-Methyl-2-pentanone	116.05	Nonazeotrope		527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_4H_9Br**	**1-Bromobutane** *(continued)*	**101.5**				
7872	$C_6H_{12}O$	Pinacolone	106.2	101.1	86		552
		"	106.2	Nonazeotrope			548
7873	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	Nonazeotrope			547
7874	$C_6H_{14}O$	Propyl ether	90.1	Nonazeotrope			559
7875	$C_6H_{14}S$	Isopropyl sulfide	120.5	Nonazeotrope			566
7876	C_7H_8	Toluene	110.75	Nonazeotrope			575
7876a	C_7H_{14}	1-Heptene 200 mm.		52.1		v-l	498f
		" 400 mm.		73.6	20.0	v-l	498f
		" 600 mm.		86.2	17.6	v-l	498f
		" 760 mm.		93.6	16.4	v-l	498f
7877	C_7H_{14}	Methylcyclohexane	101.15	< 99.5	55		562
7878	C_7H_{16}	Heptane	98.45	96.7	50		538
		" 50°C.	Vapor pressure data		42.5		899
A =	**C_4H_9Br**	**2-Bromobutane**	**91.2**				
7879	C_4H_9Br	1-Bromo-2-methylpropane	91.4	Nonazeotrope			549
7880	$C_4H_{10}O$	Butyl alcohol	117.8	90.6	94		575
7881	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	87.2	81.9		405
7882	$C_4H_{10}O$	Isobutyl alcohol	108.0	88.6	86		567
7883	$C_5H_{10}O$	3-Pentanone	102.05	Nonazeotrope			552
7884	$C_5H_{10}O_2$	Methyl isobutyrate	92.5	90.5	70		562
7885	$C_5H_{11}NO_2$	Isoamyl nitrite	97.15	Nonazeotrope			550
7886	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope			575
7887	C_7H_{16}	Heptane	98.4	< 91.0	>80		575
A =	**C_4H_9Br**	**1-Bromo-2-methylpropane**	**91.4**				
7888	C_4H_9ClO	Chloroethyl ethyl ether	98.5	Nonazeotrope			575
7889	$C_4H_9NO_2$	Butyl nitrite	78.2	Nonazeotrope			550
7890	$C_4H_{10}O$	Butyl alcohol	117.75	90.2	93		535
7891	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	87.0	80.5		567
7892	$C_4H_{10}O$	*tert*-Butyl alcohol	82.45	79.0	58		575
7893	$C_4H_{10}O$	Isobutyl alcohol	107.85	89.2	<84		527
			108	Nonazeotrope			
				B.p. curve			389
7894	$C_4H_{10}S$	Ethyl sulfide	92.1	< 90.2	<54		566
7895	$C_5H_{10}O$	3-Methyl-2-butanone	95.4	90.8	82		552
7896	$C_5H_{10}O$	2-Pentanone	102.35	Nonazeotrope			552
7897	$C_5H_{10}O$	3-Pentanone	102.05	Nonazeotrope			552
7898	$C_5H_{10}O_2$	Butyl formate	106.8	Nonazeotrope			575
7899	$C_5H_{10}O_2$	Ethyl propionate	99.15	Nonazeotrope			547
7900	$C_5H_{10}O_2$	Isobutyl formate	97.9	90.0	~ 70		538
7901	$C_5H_{10}O_2$	Isopropyl acetate	90.8	89.0	55		538
7902	$C_5H_{10}O_2$	Methyl butyrate	102.65	Nonazeotrope			575
7903	$C_5H_{10}O_2$	Methyl isobutyrate	92.3	90	61		573
7904	$C_5H_{10}O_2$	Propyl acetate	101.6	Nonazeotrope			547
7905	$C_5H_{11}NO_2$	Isoamyl nitrite	97.15	Nonazeotrope			550
7906	$C_5H_{12}O$	*tert*-Amyl alcohol	102.0	87.5	82		532
7907	$C_5H_{12}O$	Isoamyl alcohol	131.3	Nonazeotrope			527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_4H_9Br**	**1-Bromo-2-methylpropane** *(continued)*	**91.4**				
7808	$C_5H_{12}O$	3-Methyl-2-butanol	112.6	Nonazeotrope			575
7909	$C_5H_{12}O$	2-Pentanol	119.8	Nonazeotrope			575
7910	$C_5H_{12}O$	3-Pentanol	116.0	Nonazeotrope			575
7911	C_6H_6	Benzene	80.2	Nonazeotrope			563
7912	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope			575
7913	$C_6H_{14}O_2$	Acetal	103.55	Nonazeotrope			559
7914	C_7H_{14}	Methylcyclohexane	101.15	Nonazeotrope			575
7915	C_7H_{16}	Heptane	98.4	< 91.0	>80		527
7916	C_6H_{18}	2,5-Dimethylhexane	109.4	Nonazeotrope			575
A =	**C_4H_9Br**	**2-Bromo-2-methylpropane**	**73.25**				
7917	$C_4H_9NO_2$	Butyl nitrite	78.2	Nonazeotrope			550
7918	$C_4H_9NO_2$	Isobutyl nitrite	67.1	Nonazeotrope			550
7919	$C_4H_{10}O$	*tert*-Butyl alcohol	82.45	69.95			571c,962
7920	$C_4H_{10}O$	Isobutyl alcohol	108	Nonazeotrope			563
7921	$C_4H_{10}O_2$	Ethoxymethoxymethane	65.9	Nonazeotrope			559
7922	C_6H_6	Benzene	80.2	Nonazeotrope			563
7923	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope			575
7924	C_6H_{12}	Methylcyclopentane	72.0	< 70.5	>48		562
7925	C_6H_{14}	Hexane	68.85	68.0	~ 38		538
7926	$C_6H_{14}O$	Isopropyl ether	68.3	Nonazeotrope			559
A =	**C_4H_9Cl**	**1-Chlorobutane**	**78.5**				
7927	C_4H_9ClO	2-Chloroethyl ethyl ether	98.5	Nonazeotrope			575
7928	$C_4H_9NO_2$	Butyl nitrite	78.2	77.0	48		550
7929	$C_4H_9NO_2$	Isobutyl nitrite	67.1	Nonazeotrope			550
7930	$C_4H_{10}O$	Butyl alcohol	117.75	Nonazeotrope			527
		"	117	77.7	98.1		215
		"	117.75	Nonazeotrope		v-l	497,982
7931	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	77.7	92		575
7932	$C_4H_{10}O$	*tert*-Butyl alcohol	82.45	72.8	80		567
7933	$C_4H_{10}O$	Isobutyl alcohol	107.85	77.65	96		573
7934	$C_4H_{10}O_2$	Acetaldehyde dimethyl acetal	64.3	Nonazeotrope			559
7935	$C_4H_{10}S$	Butanethiol	97.5	Nonazeotrope			575
7936	$C_5H_{10}O$	Isovaleraldehyde	92.1	Nonazeotrope			575
7937	$C_5H_{10}O$	3-Methyl-2-butanone	95.4	Nonazeotrope			552
7938	$C_5H_{10}O_2$	Isopropyl acetate	89.5	Nonazeotrope			575
7939	$C_5H_{11}NO_2$	Isoamyl nitrite	97.15	Nonazeotrope			550
7940	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	Nonazeotrope			575
7941	$C_5H_{12}O$	3-Pentanol	116.0	Nonazeotrope			575
7942	$C_5H_{12}O_2$	Diethoxymethane	87.95	Nonazeotrope			527
7943	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope			575
7944	C_6H_{12}	Cyclohexane	80.75	< 78.0	>64		575
7945	C_6H_{14}	Hexane	68.8	Nonazeotrope			575
7946	$C_6H_{14}O$	Isopropyl ether	68.3	Nonazeotrope			559
7947	$C_6H_{14}O$	Propyl ether	90.1	Nonazeotrope			559

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**C_4H_9Cl**	**1-Chlorobutane** *(continued)*	**78.5**			
7948	C_7H_{16}	Heptane	98.4	Nonazeotrope		
				Vapor pressure data		899
7949	$C_8H_{18}O$	Butyl ether	141.97	Nonazeotrope		806
A =	**C_4H_9Cl**	**2-Chlorobutane**	**68.25**			
7950	C_4H_9Cl	1-Chloro-2-methylpropane	68.85	Nonazeotrope		575
7951	$C_4H_9NO_2$	Butyl nitrite	78.2	Nonazeotrope		550
7952	$C_4H_9NO_2$	Isobutyl nitrite	67.1	66.2	38	550
7953	$C_5H_{12}O$	Ethyl propyl ether	63.85	Nonazeotrope		559
7954	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope		554
7955	C_6H_6	Benzene	80.15	Nonazeotrope		575
7956	C_6H_{14}	Hexane	68.8	65.85	57	562
A =	**C_4H_9Cl**	**1-Chloro-2-methylpropane**	**68.85**			
7957	$C_4H_9NO_2$	Butyl nitrite	78.2	Nonazeotrope		550
7958	$C_4H_9NO_2$	Isobutyl nitrite	67.1	66.5	33	550
7959	$C_4H_{10}O$	Butyl alcohol	117.75	Nonazeotrope		527
7960	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	Nonazeotrope		575
7961	$C_4H_{10}O$	*tert*-Butyl alcohol	82.55	65.5	83	535
7962	$C_4H_{10}O$	Isobutyl alcohol	107.85	Nonazeotrope		532
7963	$C_4H_{10}O_2$	Acetaldehyde dimethyl acetal	64.3	Nonazeotrope		559
7964	C_5H_{10}	Cyclopentane	49.3	Nonazeotrope		575
7965	$C_5H_{12}O$	*tert*-Amyl alcohol	102.0	Nonazeotrope		535
7966	$C_5H_{12}O$	Ethyl propyl ether	63.6	Nonazeotrope		548
7967	C_6H_6	Benzene	80.2	Nonazeotrope		529
7968	C_6H_8	1,3-Cyclohexadiene	80.8	Nonazeotrope		563
7969	C_6H_{10}	Cyclohexene	82.75	Nonazeotrope		575
7970	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope		563
7971	C_6H_{12}	Methylcyclopentane	72.0	67.8	63	562
7972	C_6H_{14}	2,3-Dimethylhexane	58.0	Nonazeotrope		575
7973	C_6H_{14}	Hexane	68.95	66.3	55	563
7974	$C_6H_{14}O$	Isopropyl ether	68.3	> 69.0		559
A =	**C_4H_9Cl**	**2-Chloro-2-methylpropane**	**50.8**			
7975	$C_4H_9NO_2$	Isobutyl nitrite	67.1	Nonazeotrope		550
7976	$C_4H_{10}O$	*tert*-Butyl alcohol	82.5	Nonazeotrope		962
7977	C_5H_{10}	Cyclopentane	49.3	47.5	50	562
7978	C_5H_{12}	Pentane	36.15	< 35.8	>16	562
7879	C_6H_{10}	Biallyl	60.2	Nonazoetrope		563
7980	C_6H_{12}	Methylcyclopentane	72.0	Nonazeotrope		575
7981	C_6H_{14}	2,3-Dimethylbutane	58.0	< 50.5	<40	575
7982	C_6H_{14}	Hexane	68.9	Nonazeotrope		563
A =	**C_4H_9ClO**	**Chloroethyl Ethyl Ether**	**98.5**			
7983	$C_4H_{10}S$	Ethyl sulfide	92.1	91.8	6	575
7984	C_5H_7N	1-Methylpyrrol	112.8	Nonazeotrope		575
7985	$C_5H_{10}O$	3-Methyl-2-butanone	95.4	Nonazeotrope		575
7986	$C_5H_{10}O$	3-Pentanone	102.05	Nonazeotrope		575
7987	C_6H_6	Benzene	80.15	Nonazeotrope		575
7988	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope		575
7989	$C_6H_{14}O$	Propyl ether	90.1	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**C_4H_9ClO**	**Chloroethyl Ethyl Ether**	**98.5**			
		(continued)				
7990	C_7H_{14}	Methylcyclohexane	101.15	< 97.5	>65	562
7991	C_7H_{16}	Heptane	98.4	96.0	48	562
A =	**$C_4H_9Cl_3Sn$**	**Butyltin Trichloride**	**113/17**			
7992	$C_8H_{18}Cl_2Sn$	Dibutyltin dichloride, 17 mm.	157	Nonazeotrope		981
7993	$C_{12}H_{27}ClSn$	Tributyltin chloride, 17 mm.	166	Nonazeotrope		981
A =	**C_4H_9I**	**1-Iodobutane**	**130.4**			
7994	$C_4H_9NO_3$	Isobutyl nitrate	123.5	< 121.7	>27	560
7995	$C_4H_{10}O$	Butyl alcohol	117.8	113.8	58.5	575
7996	$C_4H_{10}O$	*tert*-Butyl alcohol	82.45	Nonazeotrope		575
7997	$C_4H_{10}O$	Isobutyl alcohol	108.0	106.2	50	567
7998	$C_4H_{10}O_2$	2-Ethoxyethanol	135.3	123.0	70	526
7999	$C_5H_4O_2$	2-Furaldehyde	161.45	Nonazeotrope		527
8000	C_5H_5N	Pyridine	115.5	Nonazeotrope		548
8001	C_5H_8O	Cyclopentanone	130.65	129.0	60	552
8002	C_5H_9N	Isovaleronitrile	130.5	118.5	60	562
8003	$C_5H_{10}O$	Cyclopentanol	140.85	127.0	84	567
8004	$C_5H_{10}O_2$	Isovaleric acid	176.5	Nonazeotrope		527
8005	$C_5H_{10}O_3$	Ethyl carbonate	126.0	124.5	30	547
8006	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	< 129.5	<13	575
8007	$C_5H_{12}O$	Amyl alcohol	138.2	125.0	78	527
8008	$C_5H_{12}O$	Isoamyl alcohol	131.9	123.2	72	527
8009	$C_5H_{12}O$	2-Pentanol	119.8	117.0	54	567
8010	C_6H_6O	Phenol	182.2	Nonazeotrope		575
8011	$C_6H_{10}O$	Mesityl oxide	129.5	128.0	56	527
8012	$C_6H_{12}O$	3-Hexanone	123.3	Nonazeotrope		552
8013	$C_6H_{12}O_2$	Butyl acetate	126.0	124.8	25	562
8014	$C_6H_{12}O_2$	Ethyl butyrate	121.5	Nonazeotrope		575
8015	$C_6H_{12}O_2$	Isoamyl formate	123.8	122.0	26	562
8016	$C_6H_{12}O_2$	Isobutyl acetate	117.4	Nonazeotrope		575
8017	$C_6H_{12}O_2$	Propyl propionate	122.5	Nonazeotrope		547
8018	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope		575
8019	$C_6H_{14}O$	Hexyl alcohol	157.85	Nonazeotrope		575
8020	C_7H_8	Toluene	110.75	Nonazeotrope		575
8021	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	< 130.3		575
8022	$C_7H_{14}O_2$	Isobutyl propionate	136.9	Nonazeotrope		547
8023	C_8H_{10}	Ethylbenzene	136.15	< 130.0	>85	575
A =	**C_4H_9I**	**2-Iodobutane**	**120.0**			
8024	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	Nonazeotrope		575
8025	$C_6H_{12}O_2$	Isobutyl acetate	117.4	< 116.0	>30	575
8026	$C_6H_{12}O_2$	Methyl isovalerate	116.5	< 116.0	>28	575
8027	C_7H_8	Toluene	110.75	Nonazeotrope		575
A =	**C_4H_9I**	**1-Iodo-2-methylpropane**	**120.8**			
8028	$C_4H_9NO_3$	Isobutyl nitrate	123.5	< 117.5	>60	560
8029	$C_4H_{10}O$	Butyl alcohol	117.75	110.6	70	535

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_4H_9I**	**1-Iodo-2-methylpropane**	**120.8**				
		(continued)					
8030	$C_4H_{10}O$	Isobutyl alcohol	108	101	>67		834
			107.85	104	64		573
8031	$C_4H_{10}O_2$	2-Ethoxyethanol	135.3	117.5			575
8032	C_5H_5N	Pyridine	115.5	~ 114.0	~ 35		548
8033	$C_5H_{10}O_2$	Butyl formate	106.8	Nonazeotrope			575
8034	$C_5H_{10}O_2$	Methyl butyrate	102.65	Nonazeotrope			575
8035	$C_5H_{10}O_2$	Propyl acetate	101.6	Nonazeotrope			575
8036	$C_5H_{10}O_3$	Ethyl carbonate	126.0	118.2	80		547
8037	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	Nonazeotrope			526
8038	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.2	~ 119.0			563
8039	$C_5H_{12}O$	Isoamyl alcohol	131.8	115	<80		834
			131.3	117.6	83		527
8040	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	<130.0			575
8041	$C_6H_{12}O_2$	Butyl acetate	125.0	120.0			547
8042	$C_6H_{12}O_2$	Ethyl butyrate	120.0	119	64		573
8043	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	Nonazeotrope			563
8044	$C_6H_{12}O_2$	Isoamyl formate	123.6	117.5	70		563
8045	$C_6H_{12}O_2$	Isobutyl acetate	117.2	116.0	50		571
8046	$C_6H_{12}O_2$	Methyl isovalerate	116.5	Nonazeotrope			547
8047	$C_6H_{15}BO_3$	Ethyl borate	118.6	117.2	35		547
8048	C_7H_8	Toluene	110.7	Nonazeotrope			834
8049	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	Nonazeotrope			575
8050	$C_7H_{14}O_2$	Isoamyl acetate	142.1	Nonazeotrope			389
8051	$C_7H_{14}O_2$	Isopropyl isobutyrate	120.8	119.5	53		547
8052	$C_7H_{14}O_2$	Propyl isobutyrate	134.0	Nonazeotrope			547
8053	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	< 119.0	>60		562
A =	**C_4H_9N**	**Pyrrolidine**	**88**				
8054	C_6H_6	Benzene	80.1	Min. b.p.			515
A =	**C_4H_9NO**	**2-Butanone Oxime**					
8055	C_6H_6	Benzene 150-300 mm.		Nonazeotrope		v-l	774
8056	C_7H_{16}	Heptane 150-300 mm.		Nonazeotrope		v-l	774
A =	**C_4H_9NO**	**Morpholine**	**128.3**				
8057	C_8H_{10}	*o*-Xylene	143.6	Nonazeotrope			340
8058	$C_8H_{18}O$	Butyl ether	142.1	126.7	73		981
8059	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	169.4	128	98		981
A =	**$C_4H_9NO_2$**	**Butyl Nitrite**	**78.2**				
8060	$C_4H_{10}S$	Ethyl sulfide	92.1	Nonazeotrope			550
8061	$C_5H_{10}O$	3-Methyl-2-butanone	95.4	Nonazeotrope			552
8062	$C_5H_{10}O_2$	Isopropyl acetate	89.5	Nonazeotrope			550
8063	$C_5H_{12}O_2$	Diethoxymethane	87.95	Nonazeotrope			527
8064	C_6H_5F	Fluorobenzene	84.9	Nonazeotrope			550
8065	C_6H_6	Benzene	80.15	77.95	75		550
8066	C_6H_{12}	Cyclohexane	80.75	76.5	63		570
8067	C_6H_{12}	Methylcyclopentane	72.0	< 71.5	< 2.8		575
8068	C_6H_{14}	Hexane	68.8	68.5	18		550

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_4H_9NO_2$**	**Butyl Nitrite** *(continued)*	**78.2**				
8069	$C_6H_{14}O$	Propyl ether	90.1	Nonazeotrope			550
8070	C_7H_{14}	Methylcyclohexane	101.15	Nonazeotrope			550
8071	C_7H_{16}	Heptane	98.4	Nonazeotrope			527
A =	**$C_4H_9NO_2$**	**Isobutyl Nitrite**	**67.1**				
8072	$C_4H_{10}O_2$	Acetaldehyde dimethyl acetal	64.3	Nonazeotrope			550
8073	C_5H_{10}	Cyclopentane	49.3	Nonazeotrope			550
8074	C_5H_{12}	Pentane	36.15	Nonazeotrope			550
8075	$C_5H_{12}O$	Ethyl propyl ether	63.85	< 63.7	5		550
8076	C_6H_6	Benzene	80.15	Nonazeotrope			550
8077	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope			550
8078	C_6H_{12}	Methylcyclopentane	72.0	65.9	68		570
8079	C_6H_{14}	Hexane	68.8	**65.0**	**54**		527
A =	**$C_4H_9NO_3$**	**Isobutyl Nitrate**	**123.5**				
8080	$C_4H_{10}O$	Butyl alcohol	117.8	112.8	45		527
8081	$C_4H_{10}O$	Isobutyl alcohol	107.85	105.6	36		560
8082	$C_4H_{10}O_2$	2-Ethoxyethanol	135.3	121.0	82		560
8083	$C_5H_{10}O$	Cyclopentanol	140.85	< 122.2			560
8084	$C_5H_{10}O_3$	Ethyl carbonate	126.5	Nonazeotrope			549
8085	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	Nonazeotrope			560
8086	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	118.0	32		560
8087	$C_5H_{12}O$	Amyl alcohol	138.2	122.0			560
8088	$C_5H_{12}O$	Isoamyl alcohol	131.3	~ 120.0	~ 74		560
8089	$C_5H_{12}O$	2-Pentanol	119.8	< 115.3	<48		560
8090	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	Nonazeotrope			560
8091	C_6H_5Cl	Chlorobenzene	131.75	Nonazeotrope			560
8092	$C_6H_{12}O_2$	Isoamyl formate	123.8	< 122.0	>54		549
8093	$C_6H_{12}O_2$	Propyl propionate	123.0	<121.7	>41		549
8094	$C_6H_{12}O_3$	Paraldehyde	124.35	< 122.8			557
8095	$C_6H_{14}S$	Propyl sulfide	141.5	Nonazeotrope			560
8096	C_7H_8	Toluene	110.75	Nonazeotrope			560
8097	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			560
8098	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	< 114.5	<41		560
8099	$C_8H_{18}O$	Isobutyl ether	122.3	< 121.0			557
A =	**$C_4H_9NO_3$**	**2-Methyl-2-nitro-1-Propanol**					
8100	$C_6H_{11}NO_3$	2-Methyl-2-nitro-propyl vinyl ether, 10 mm.		71-81	8.6		1008
8100a	C_4H_{10}	2-Methylpropane	—10	Nonazeotrope		v-l	386f
A =	**C_4H_{10}**	**Butane**	**— 0.5**				
8101	C_7H_{16}	Perfluoroheptane crit. press.		147.8	47.8	v-l	431
A =	**$C_4H_{10}O$**	**Butyl Alcohol**	**117.75**				
8102	$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	Nonazeotrope			981
		" 100–700 mm.		Nonazeotrope		v-l	773c
8102a	$C_4H_{10}O$	*tert*-Butyl alcohol 100–700 mm.		Nonazeotrope		v-l	773c

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_4H_{10}O$**	**Butyl Alcohol** *(continued)*	**117.75**				
8103	$C_4H_{10}O$	Isobutyl alcohol, to crit. region		Nonazeotrope		v-l	213,981
		" 750 mm.	107	Nonazeotrope		v-l	982
8104	$C_4H_{10}O$	Ethyl ether, to crit. region	34.5	Nonazeotrope		v-l	213
8105	$C_4H_{10}O_2$	2-Ethoxyethanol	135.3	Nonazeotrope			526
8106	$C_4H_{10}S$	1-Butanethiol, 770 mm.	98	97.8	14.84		487
8107	$C_4H_{10}S$	Ethyl sulfide	92.1	Nonazeotrope			527
8108	$C_4H_{11}N$	Butylamine	77.1	Nonazeotrope		v-l	481e
8109	C_5H_5N	Pyridine	115.4	118.7	71		553
		"	115.5	118.6	69	v-l	393
		"		118.85	69.0		497
8110	C_5H_7N	***N*-Methylpyrrol**	**112.8**	< 112.2			575
8111	$C_5H_8O_2$	Methyl methacrylate	99.8	Nonazeotrope			413
8112	$C_5H_9ClO_2$	Propyl chloroacetate	163.5	Nonazeotrope			575
8113	C_5H_9N	Valeronitrile	141.3	Nonazeotrope			565
8114	C_5H_{10}	2-Methyl-2-butene	37.75	Nonazeotrope			256
8115	$C_5H_{10}O$	3-Methyl-2-butanone	95.4	Nonazeotrope			552
8116	$C_5H_{10}O$	2-Pentanone	102.35	Nonazeotrope			527
8117	$C_5H_{10}O$	3-Pentanone	102.05	Nonazeotrope			527
8118	$C_5H_{10}O_2$	Butyl formate	106.6	105.8	23.6		359
8119	$C_5H_{10}O_2$	Ethyl propionate	99.1	Nonazeotrope			527
8120	$C_5H_{10}O_2$	Isobutyl formate	97.9	Nonazeotrope			527
8121	$C_5H_{10}O_2$	Isopropyl acetate	89.5	Nonazeotrope			575
8122	$C_5H_{10}O_2$	Methyl butyrate	102.75	Nonazeotrope			527
8123	$C_5H_{10}O_2$	Methyl isobutyrate	92.3	Nonazeotrope			527
8124	$C_5H_{10}O_2$	Propyl acetate	101.6	Nonazeotrope			527
8125	$C_5H_{10}O_3$	Ethyl carbonate	125.9	116.5	63		527
8126	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	Nonazeotrope			526
8127	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.3	110.65	31.5		555
8128	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.4	97.0	12		567
8129	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	117.3	~ 78		535
8130	$C_5H_{12}O$	2-Pentanol	119.8	Nonazeotrope			575
8131	$C_5H_{12}O$	3-Pentanol	116.0	Nonazeotrope			575
8132	C_6H_5Br	Bromobenzene	156.1	Nonazeotrope			527
8133	C_6H_5Cl	Chlorobenzene	132.0	115.3	56		574
8134	C_6H_5F	Fluorobenzene	84.9	Nonazeotrope			575
8135	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope			554
8136	C_6H_6	Benzene	80.2	Nonazeotrope			563
		" 45°		Nonazeotrope		v-l	93
		"	80.1	Nonazeotrope		v-l	1011, 1060
		" crit. pt.		min. b.p.		v-l	888
		" 685 mm.				v-l	994
		" 1445 mm.				v-l	994
		" 2205 mm.				v-l	994

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_4H_{10}O$**	**Butyl Alcohol** *(continued)*	**117.75**				
8137	C_6H_6O	Phenol	182.2	Nonazeotrope			575
8138	C_6H_7N	Aniline	184.35	Nonazeotrope			551
8139	C_6H_7N	2-Picoline	130.7	Nonazeotrope			575
8140	C_6H_8	1,3-Cyclohexadiene	80.8	Nonazeotrope			563
8141	C_6H_9N	*N*-Ethylpyrrol	130.4	Nonazeotrope			575
8142	C_6H_{10}	Cyclohexene	82.7	82.0	5		537
8143	$C_6H_{10}O$	Mesityl oxide	129.45	Nonazeotrope			527,552
8144	$C_6H_{10}S$	Allyl sulfide	130.35	Nonazeotrope			527
8145	$C_6H_{11}ClO_2$	Butyl chloroacetate	181.9	Nonazeotrope			121
8146	C_6H_{12}	Cyclohexane	80.75	79.8	4		537
		"	80.8	79.8	9.5		413,982
		" 762 mm.		80	9.8	v-l	779c
		" 1024 mm.		90	11	v-l	779c
		" 1342 mm.		100	11.5	v-l	779c
		" 1720 mm.		110	13.5	v-l	779c
8147	C_6H_{12}	Methylcyclopentane	72.0	71.8	< 8		575
8148	$C_6H_{12}O$	Butyl vinyl ether	93.8	93.3	7.75		882
			93.8	Nonazeotrope?			254,882
		"	94.2	93.3	7.8		982
8149	$C_6H_{12}O$	Hexaldehyde	128.3	116.8	77.1		982
8150	$C_6H_{12}O$	2-Hexanone	127.2	116.5	81.8		918
		"	127.2	Nonazeotrope			527
8151	$C_6H_{12}O$	3-Hexanone	123.3	117.2	80		527
8152	$C_6H_{12}O$	4-Methyl-2-pentanone	116.05	114.35	30		552
8153	$C_6H_{12}O_2$	Butyl acetate	125.5	116.2	63.3	v-l	96,359, 527
		" 50 mm.			27.3		322
		"	126.2	117.6	67.2		322,982
8154	$C_6H_{12}O_2$	Ethyl butyrate	120.0	115.7	~ 64		536
8155	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	109.2	17		537
8156	$C_6H_{12}O_2$	Isoamyl formate	123.8	115.9	69		536
8157	$C_6H_{12}O_2$	Isobutyl acetate	117.2	114.5	50		536
8158	$C_6H_{12}O_2$	Methyl isovalerate	116.3	113.5	40		537
8159	$C_6H_{12}O_2$	Propyl propionate	123.0	117.5			575
8160	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope			575
8161	$C_6H_{12}O_3$	Paraldehyde	123.9	115.75	52		527
8162	$C_6H_{13}Br$	1-Bromohexane	156.5	Nonazeotrope			575
8163	C_6H_{14}	Hexane	68.85	Nonazeotrope			541
		"	68.95	68.2	3.2		477,982
8164	$C_6H_{14}O$	Propyl ether	90.4	Nonazeotrope			527
8165	$C_6H_{14}O_2$	Acetal	103.55	101	13		573
8166	$C_6H_{14}O_2$	2-Butoxyethanol	171.1	Nonazeotrope		v-l	982
8167	$C_6H_{14}S$	Isopropyl sulfide	120.5	112.0	45		555
8168	$C_6H_{14}S$	Propyl sulfide	141.5	Nonazeotrope			566
8169	$C_6H_{15}BO_3$	Ethyl borate	118.6	113	52		536
8170	C_7H_8	Toluene	110.7	105.5	32		50,527,589
		"		0.5	5.6		814
				25	6.0		814

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_4H_{10}O$**	**Butyl Alcohol** *(continued)*	**117.75**				
		Toluene		50	7.1		814
		"		73	11.5		814
		"		103.1	28.1		814
		"	110.7	105.5	27.5	v-l	393
		" 200 mm.		66.8	17.7	v-l	348
		" 400 mm.		85.45	22.9	v-l	348
		" 470 mm.		90.0	21.2	v-l	859f
		" 600 mm.		97.7	26.5	v-l	348
		" 760 mm.		105.3	29.7	v-l	348
		" 760 mm.	110.7	105.5	27.8	v-l	859f
		" 409 mm.		86.0	22.6		662
		" 510 mm.		92.5	24.0		662
		" 610 mm.		98.0	25.8		662
		" 710 mm.		102.5	27.1		662
		"	110.6	105.1	28.0		662
		"	110.6	105.5	27.6	v-l	619
		"		105.7	28.6		497
8171	C_7H_8O	Anisole	153.85	Nonazeotrope			527
8172	$C_7H_{12}O_2$	Butyl acrylate, 100 mm.	69.77	69	75		981
		" 20 mm.		39	87.7		215
		" 150 mm.		77	92.2		215
		"	147	117	98.2		215
		"			85		999
8173	C_7H_{14}	1-Heptene, 729 mm.		90	13		757
8174	C_7H_{14}	Methylcyclohexane	100.8	95.3	20		50,571
		"	100.8	96.5	20.6	v-l	778f
		"	100.8	96.2	20	v-l	859f
		" 626 mm.		90	17.1		859f
8175	$C_7H_{14}O_2$	Butyl propionate	146.8	Nonazeotrope			575
8176	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	Nonazeotrope			527
8177	$C_7H_{14}O_2$	Isoamyl acetate	142.1	Nonazeotrope			527
8178	$C_7H_{14}O_2$	Isobutyl propionate	137.5	Nonazeotrope			575
8179	$C_7H_{14}O_2$	Isopropyl isobutyrate	120.8	115.5	54		567
8180	$C_7H_{14}O_2$	Propyl butyrate	143.7	Nonazeotrope			575
8181	$C_7H_{14}O_2$	Propyl isobutyrate	133.9	Nonazeotrope			527
8182	C_7H_{16}	Heptane	98.45	93.95	18		527
		"	98.4	93.85	18		477,478
		"	98.4	~ 94	~ 16	v-l	393
		"	98.5	93.8	17.6	v-l	27
		" 153 mm.		50	10.3	v-l	27
		" 684 mm.		88.8	15.0	v-l	993
		" 1445 mm.	122	114.8	23.4	v-l	993
		" 2205 mm.	139	129.8	29.8	v-l	993

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No.	Formula	B-Component Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	$C_4H_{10}O$	**Butyl Alcohol** *(continued)*	**117.75**				
		" 2965 mm.	153	142.4	32.8	v-l	993
		" 3725 mm.	166	150.5	35.8	v-l	993
8183	$C_7H_{18}SiO$	(Trimethylsiloxy) butane		Azeotropic			520
		"	124.5	111.0	40-44		839,907
8184	C_8H_8	Styrene	145.8	~ 116.5	79		537
		60 mm.	68	57	59		53
8185	C_8H_{10}	Ethylbenzene	136.15	114.8	~ 67		537
		60 mm.	60.5	53	37		53
		" 50 mm.			36.3	v-l	239
		" 100 mm.		63.65	42.1	v-l	239
		" 300 mm.			51.0	v-l	239
		" 500 mm.			59.7	v-l	239
		" 760 mm.	136.15	115.85	65.1	v-l	239
		"		115.05	67.1	v-l	587
8186	C_8H_{10}	Xylene		20	29.6		814
		"		40	38.4		814
		"		60	47.5		814
		"		80	56.5		814
		"		115	73.0		814
8187	C_8H_{10}	***m*-Xylene**	**139.**	116.5	71.5		527
8188	C_8H_{10}	***o*-Xylene**	**143.6**	116.8	75		541
8189	C_8H_{10}	*p*-Xylene	138.3	116.0	69.5	v-l	308c,537
8189	C_8H_{10}	***p*-Xylene**	**138.3**	115.7	68		537
8190	$C_8H_{14}O_2$	Butyl methacrylate			~ 80		999
8191	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	108.5	43		567
8192	$C_8H_{16}O_2$	Butyl butyrate	166	Nonazeotrope		v-l	722
8193	C_8H_{18}	2,5-Dimethylhexane	109.4	101.9	28		567
8194	C_8H_{18}	Octane	125.75	110.2	50		567
		"	125.75	108.45	43.2		477,478
8195	$C_8H_{18}O$	Butyl ether	142.1	117.6	82.5		982
		Butyl ether	141.9	117.25	88		760
		"	142.4	Nonazeotrope			527
8196	$C_8H_{18}O$	Isobutyl ether	122.3	113.5	48		527
8197	$C_8H_{19}N$	Dibutylamine	159.6	Nonazeotrope		v-l	481e
8197	$C_8H_{19}N$	Dibutylamine	159.6	Nonazeotrope			981
8198	C_9H_8	Indene	182.6	Nonazeotrope			575
8199	C_9H_{12}	Cumene	152.8	Nonazeotrope			527
8200	C_9H_{12}	Mesitylene	164.6	Nonazeotrope			541
8201	C_9H_{12}	Propylbenzene	158.8	Nonazeotrope			537
8202	C_9H_{12}	Pseudocumene	168.2	Nonazeotrope			575
8203	C_9H_{20}	Nonane	150.7	115.9	71.5		477,478
8204	$C_9H_{20}O_2$	Diisobutoxymethane	163.8	Nonazeotrope			575
8205	$C_9H_{20}O_2$	Dibutoxymethane	181.8	Nonazeotrope			324
8206	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope			575
8207	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope			537
8208	$C_{10}H_{16}$	Camphene	159.6	117.73?	98		574

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_4H_{10}O$**	**Butyl Alcohol** *(continued)*	**117.75**				
8209	$C_{10}H_{16}$	*d*-Limonene	177.8	Nonazeotrope			537
8210	$C_{10}H_{16}$	Nopinene	163.8	Nonazeotrope			527
8211	$C_{10}H_{16}$	α-Pinene	155.8	117.4	~ 88		537
8212	$C_{10}H_{16}$	Thymene	179.7	Nonazeotrope			541
8213	$C_{10}H_{22}$	Decane	173.3	Nonazeotrope			575
		" 386 mm.		100	52	v-l	577c
8214	$C_{10}H_{22}$	2,7-Dimethyloctane	160.2	Nonazeotrope			537
8215	$C_{10}H_{22}O_2$	1,1-Dibutoxyethane	187.8	Nonazeotrope		v-l	45,170
A =	**$C_4H_{10}O$**	***sec*-Butyl Alcohol**	**99.5**				
8216	$C_4H_{10}S$	Ethyl sulfide	**92.1**	< 89.0	<32		566
8217	C_5H_5N	Pyridine	115.4	Nonazeotrope			575
8218	$C_5H_{10}O$	3-Pentanone	102.05	98.0	58		534
8219	$C_5H_{10}O_2$	Butyl formate	**106.8**	98.0	68		567
8220	$C_5H_{10}O_2$	Ethyl propionate	99.15	95.7	47		536
8221	$C_5H_{10}O_2$	Isobutyl formate	98.2	94.7	40		575
8222	$C_5H_{10}O_2$	Methyl butyrate	102.65	< 97.7	<59		575
8223	$C_5H_{10}O_2$	Methyl isobutyrate	92.5	< 92.0	<23		575
8224	$C_5H_{10}O_2$	Propyl acetate	101.55	~ 96.5	~ 52		563
8225	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.4	91.5	29		569
8226	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	Nonazeotrope			575
8227	C_5H_{12}	2-Methylbutane	27.95	Nonazeotrope			575
8228	C_5H_{12}	Pentane	36.15	Nonazeotrope			537
8229	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	Nonazeotrope			575
8230	C_6H_5Cl	Chlorobenzene	131.75	Nonazeotrope			575
8231	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope			554
8232	C_6H_6	Benzene	80.2	78.5	15.4,	v-l	537,734
8233	C_6H_{10}	Cyclohexene	82.7	78.7	21		537
8234	C_6H_{12}	Cyclohexane	80.75	76.0	18		541
8234a	C_6H_{12}	1-Hexene		Nonazeotrope		v-l	362c
8235	C_6H_{12}	Methylcyclopentane	72.0	69.7	11.5		567
8236	$C_6H_{12}O$	Pinacolone	106.2	99.1	84		552
8237	$C_6H_{12}O_2$	Butyl acetate	126.1	Nonazeotrope			981
8238	$C_6H_{12}O_2$	*sec*-Butyl acetate	112.2	Nonazeotrope			981
		"	112.2	99.6	86.3		164
8239	$C_6H_{12}O_2$	Isobutyl acetate	117.4	Nonazeotrope			575
8240	$C_6H_{12}O_2$	Methyl isovalerate	116.5	Nonazeotrope			575
8241	C_6H_{14}	2,3-Dimethylbutane	58.0	< 57.75	< 8		575
8242	C_6H_{14}	Hexane 597 mm.		60	8	v-l	362c
		"	68.9	67.2	8		537
8243	$C_6H_{14}O$	*tert*-Amyl methyl ether	86.7	86.0	7		256
8244	$C_6H_{14}O$	*tert*-Butyl ethyl ether	73	Nonazeotrope			256
8245	$C_6H_{14}O$	Propyl ether	90.4	87.0	22		576
8246	C_7H_8	Toluene	110.7	95.3	55		50,537
8247	C_7H_{14}	Methylcyclohexane	100.8	89.9	41		50
		"	101.5	89.7	38.2	v-l	1039
8248	C_7H_{16}	Heptane	98.4	88.1	36.7	v-l	1039
		"	98.45	89	38		537

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_4H_{10}O$**	***sec*-Butyl Alcohol *(continued)***	**99.5**				
8249	$C_7H_{16}O$	*tert*-Amyl ethyl ether	101-2	94.5	39		256
8250	C_8H_8	Styrene, 60 mm.	68	45	96		53
8251	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			575
		" 60 mm.	60.5	44	84		53
8252	C_8H_{10}	*m*-Xylene	139.2	Nonazeotrope			575
8253	C_8H_{14}	Diisobutylene	102.3	91	35		132
8254	C_8H_{18}	Iso-octane	99.3	88.0	33.8	v-l	1039
8255	C_8H_{18}	2,5-Dimethylhexane	109.4	93.0	54		567
A =	**$C_4H_{10}O$**	***tert*-Butyl Alcohol**	**82.9**				
8256	$C_4H_{10}O$	Isobutyl alcohol	108	Nonazeotrope			215
8257	$C_4H_{10}S$	Ethyl sulfide	92.1	79.8	70		566
8258	$C_4H_{11}PO_3$	Diethyl phosphite		Nonazeotrope			24
8258a	C_5H_8	Isoprene	34	Nonazeotrope			581c
8259	C_5H_{10}	Cyclopentane	49.4	48.2	~ 7		575
8260	C_5H_{10}	2-Methyl-2-butene	37.15	Nonazeotrope			563
8260a	$C_5H_{10}O$	2-Methyl-3-buten-2-ol	97.0	Nonazeotrope			581c
8261	$C_5H_{10}O$	3-Pentanone	102.05	Nonazeotrope			552
8262	$C_5H_{10}O_2$	Isobutyl formate	97.9	Nonazeotrope			536
8263	$C_5H_{10}O_2$	Methyl isobutyrate	92.3	82.2			536
8264	$C_5H_{10}O_2$	Propyl acetate	101.6	Nonazeotrope			575
8265	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	Nonazeotrope			575
8266	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.4	< 81.15	>59		567
8267	C_5H_{12}	2-Methylbutane	27.95	Nonazeotrope			537
8268	C_5H_{12}	*n*-Pentane	36.15	35.9	3		575
		"	36	Nonazeotrope			581c
8268a	$C_5H_{12}O$	*tert*-Butyl methyl ether	55.2	Nonazeotrope			581c
8269	C_6H_5F	Fluorobenzene	85.15	76.0	31		545
8270	C_6H_6	Benzene	80.2	73.95	36.6		1044
		"	80.1	72.6	35.4	v-l	792
8271	C_6H_8	1,3-Cyclohexadiene	80.8	73.4	38.5		563
8272	C_6H_{10}	Cyclohexene	82.7	73.2	40		537
8273	C_6H_{10}	Methylcyclopentene	75.85	69.5	30		567
8273a	$C_6H_{10}O$	Methyldihydropyran	118.5	Nonazeotrope			581c
8274	C_6H_{12}	Cyclohexane	80.75	71.3	37		541
		"	80.7	71.2	34.2	v-l	792
8275	C_6H_{12}	Methylcyclopentane	72.0	66.6	26		567
8276	C_6H_{14}	2,3-Dimethylbutane	58.0	55.3	13		567
8277	C_6H_{14}	Hexane	68.85	63.7	22		541
8277a	$C_6H_{14}O$	Isopropyl ether	68.3	67.3	7.9		581c
8278	$C_6H_{14}O$	Propyl ether	90.4	79.0	52		576
8279	C_7H_8	Toluene	110.7	Nonazeotrope			50
8280	C_7H_{14}	Methycyclohexane	100.8	78.8	66		50
8281	C_7H_{16}	Heptane	98.45	78	62		537
8282	C_8H_8	Styrene, 60 mm.	68	Nonazeotrope			53
8283	C_8H_{10}	Ethylbenzene, 60 mm.	60.5	28	95		53
8284	C_8H_{10}	*p*-Xylene	138.45	Nonazeotrope			575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_4H_{10}O$**	***tert*-Butyl Alcohol** *(continued)*	**82.9**				
8285	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	< 82.2	>90		575
8286	C_8H_{18}	2,5-Dimethylhexane	109.2	81.5	77		545
8287	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope			537
A =	**$C_4H_{10}O$**	**Ethyl Ether**	**34.6**				
8288	$C_4H_{10}O$	Methyl propyl ether	38.9	Nonazeotrope			563
8289	$C_4H_{11}N$	Diethylamine	55.9	Nonazeotrope			551
8289a	$C_4H_{12}Ge$	Tetramethylgermane	43.5	34			580c
8290	C_5H_8	Isoprene	34.3	33.2	48		558
8291	C_5H_8	3-Methyl-1,2-butadiene	40.8	Nonazeotrope			563
8292	C_5H_{10}	Cyclopentane	49.3	Nonazeotrope			558
8293	C_5H_{10}	2-Methyl-2-butene	37.1	34.2	85		558
8294	C_5H_{10}	3-Methyl-1-butene	20.6	Nonazeotrope			558
8295	C_5H_{12}	2-Methylbutane	27.95	Nonazeotrope			563
8296	C_5H_{12}	Pentane	36.15	33.4	68		558
		"		33.7	56		497
8297	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope			554
8293	C_6H_6	Benzene	80.2	Nonazeotrope			558
8294	C_6H_{10}	Biallyl	60.1	Nonazeotrope			558
8300	C_6H_{14}	2,3-Dimethylbutane	58.0	Nonazeotrope			558
8301	C_6H_{14}	Hexane	68.85	Nonazeotrope			558
8302	$C_6H_{14}O$	Hexyl alcohol	155.8	Nonazeotrope			215
8303	$C_6H_{15}N$	Triethylamine	89.35	Nonazeotrope			551
8304	C_7H_8	Toluene	110.75	Nonazeotrope			558
8305	$C_8H_{18}O$	Butyl ether, 600 mm.		Ideal system		v-l	737
A =	**$C_4H_{10}O$**	**Isobutyl Alcohol**	**108.0**				
8306	$C_4H_{10}O_2$	2-Ethoxyethanol	135.3	Nonazeotrope			575
8307	C_5H_5N	Pyridine	115.4	Nonazeotrope			553
8308	C_5H_7N	*N*-Methylpyrrol	112.8	<107.5			575
8309	$C_5H_9ClO_2$	Propyl chloroacetate	163.5	Nonazeotrope			575
8310	C_5H_{10}	Cyclopentane	49.4	Nonazeotrope			575
8311	$C_5H_{10}O$	Isovaleraldehyde	92.5	Nonazeotrope		v-l	665
8312	$C_5H_{10}O$	3-Methyl-2-butanone	95.4	Nonazeotrope			552
8313	$C_5H_{10}O$	2-Pentanone	102.35	101.8	19		552
8314	$C_5H_{10}O$	3-Pentanone	102.05	101.7	20		552
8315	$C_5H_{10}O_2$	Butyl formate	106.8	103.0	40		567
8316	$C_5H_{10}O_2$	Ethyl propionate	99.1	< 98.9	13		575
8317	$C_5H_{10}O_2$	Isobutyl formate	98.3	Nonazeotrope			1033
		"	98.3	97.8	16.9		498i
		"	98.4	97.8	20.6		359,536
8318	$C_5H_{10}O_2$	Isopropyl acetate	89.5	Nonazeotrope			575
8319	$C_5H_{10}O_2$	Methyl butyrate	102.65	101.3	25		536
8320	$C_5H_{10}O_2$	Methyl isobutyrate	92.3	Nonazeotrope			536
8321	$C_5H_{10}O_2$	Propyl acetate	101.6	101.0	17		572
8322	$C_5H_{10}O_3$	Ethyl carbonate	125.9	Nonazeotrope			536
8323	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	Nonazeotrope			575
8324	$C_5H_{11}Br$	1-Bromo-3-methylbutane	118.1	103.4	63.6		388,555
				B.p. curve			
8325	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.8	94.5	22		573

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_4H_{10}O$**	**Isobutyl Alcohol *(continued)***	**108.0**				
8326	$C_5H_{11}I$	1-Iodo-3-methylbutane	146.5	Nonazeotrope, b.p. curve			388
8327	C_5H_{12}	***n*-Pentane**	36.15	Nonazeotrope			575
8328	$C_5H_{12}O$	Isoamyl alcohol	131.9	Nonazeotrope			575
8329	$C_5H_{12}O_2$	Diethoxymethane	87.95	Nonazeotrope			527
8330	C_6H_5Br	Bromobenzene	156.1	Nonazeotrope			532
8331	C_6H_5Cl	Chlorobenzene	132.0	107.1	63		532
8332	C_6H_5F	Fluorobenzene	84.9	84.0	9		575
8333	C_6H_6	Benzene	80.2	79.84	9.3		1044
		"	80.1	78.36	12		306
		" 111 mm.		28.4	2.7		924
		" 240 mm.		45.0	4.2		924
		" 525 mm.		67.4	6.4		924
		" 760 mm.	80.1	79.3	7.4		924
		" 206 mm.		43.0	4.2		735
		" 394 mm.		59.5	6.0		735
		" 759 mm.	80.1	79.4	7.9		735
		" 5420 mm.		159.9	21.0		735
		" 12,930 mm.		207.5	33		735
		"		Nonazeotrope			834
		"		79.8	9	v-l	686c
8334	C_6H_8	1,3-Cyclohexadiene	80.8	79.35	12		563
8335	C_6H_{10}	Cyclohexene	82.7	80.5	14.2		541
8336	$C_6H_{10}S$	Allyl sulfide	139.35	Nonazeotrope			566
8337	$C_6H_{11}ClO_2$	Isobutyl chloroacetate	174.4	Nonazeotrope			121
8338	C_6H_{12}	Cyclohexane	80.75	78.1	14		541
		"	80.75	78.3	14	v-l	686c
8339	C_6H_{12}	Methylcyclopentane	72.0	71.0	5		575
8340	$C_6H_{12}O$	2-Hexanone	127.2	Nonazeotrope			552
8341	$C_6H_{12}O$	3-Hexanone	123.3	Nonazeotrope			552
8342	$C_6H_{12}O$	Isobutyl vinyl ether	83.0	82.7	6.2		882
8343	$C_6H_{12}O$	4-Methyl-2-pentanone	116.05	107.85	91		552
8344	$C_6H_{12}O$	Pinacolone	106.2	< 105.5	<42		548
8345	$C_6H_{12}O_2$	Butyl acetate	126.0	Nonazeotrope			527
8346	$C_6H_{12}O_2$	Ethyl butyrate	120.6	Nonazeotrope, b.p. curve			389
8347	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	105.5	52		563
8348	$C_6H_{12}O_2$	Isoamyl formate	123.8	Nonazeotrope			536
8349	$C_6H_{12}O_2$	Isobutyl acetate	117.2	107.4	55		359
		"	116.3	Nonazeotrope b.p. curve			389,572
8350	$C_6H_{12}O_2$	Methyl isovalerate	116.3	~ 107.5	~ 90		563
8351	$C_6H_{12}O_2$	Propyl propionate	123.0	Nonazeotrope			575
8352	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope			575
8353	$C_6H_{13}Br$	1-Bromohexane	156.5	Nonazeotrope			575
8354	C_6H_{14}	Hexane	68.9	68.3	2.5		537
8355	$C_6H_{14}O$	Ethyl isobutyl ether 743 mm.	79	78	18.43		73

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_4H_{10}O$**	**Isobutyl Alcohol** *(continued)*	**108.0**				
8356	$C_6H_{14}O$	Propyl ether	90.55	89.5	10		556
8357	$C_6H_{14}O_2$	Acetal	103.55	98.2	20		573
8358	$C_6H_{14}S$	Isopropyl sulfide	100.5	105.8	73		555
8359	$C_6H_{14}S$	Propyl sulfide	141.5	Nonazeotrope			566
8360	$C_6H_{15}BO_3$	Ethyl borate	118.6	Nonazeotrope			530
8361	C_7H_8	Toluene	110.7	101.2	45		50,834,1051
		"	110.6	101.2	44		1038
		" 758 mm.	110.6	100.5	43.3		662
		" 709 mm.		98.0	42.4		662
		" 609 mm.		94.0	40.8		662
		" 509 mm.		89.0	38.2		662
		" 409 mm.		82.5	35.7		662
8362	C_7H_{14}	Methylcyclohexane	100.8	92.6	32		50
8363	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	Nonazeotrope			575
8364	$C_7H_{14}O_2$	Isoamyl acetate	142.1	Nonazeotrope, b.p. curve			389
8365	$C_7H_{14}O_2$	Isobutyl propionate	137.5	Nonazeotrope			575
8366	$C_7H_{14}O_2$	Isopropyl isobutyrate	120.8	Nonazeotrope			575
8367	$C_7H_{14}O_2$	Propyl isobutyrate	134.0	Nonazeotrope			575
8368	C_7H_{16}	Heptane	98.45	90.8	27		537
8369	$C_7H_{16}O_2$	Dipropoxymethane	137.2	Nonazeotrope			575
8370	C_8H_8	Styrene	145.8	Nonazeotrope			537
		" 60 mm.	68	49	75		53
8371	C_8H_{10}	Ethylbenzene	136.15	107.2	80		541
		" 60 mm.	60.5	48	61		53
8372	C_8H_{10}	*m*-Xylene	139	107.78	85.5		527
		"		Nonazeotrope			834
		"	139.1	107.2	90.1	v-l	312
		" 40 mm.		42.5	56.5		312
8373	C_8H_{10}	*o*-Xylene	144.4	Nonazeotrope		v-l	312
		" 40 mm.		42	67.6		312
		"	143.6	Nonazeotrope			537
8374	C_8H_{10}	*p*-Xylene	138.2	~ 107.5	~ 83		541
		"	138.4	107.1	88.6	v-l	312
		" 40 mm.		43.0	53.3		312
8375	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	102.2	56		575
8376	C_8H_{18}	2.5-Dimethylhexane	109.2	98.7	42		545
8377	C_8H_{18}	Octane	125.8	104			563
8378	C_8H_{18}	2,2,4-Trimethylpentane	99.3	92.0	27		575
8379	$C_8H_{18}O$	Butyl ether	142.4	Nonazeotrope			575
8380	$C_8H_{18}O$	Isobutyl ether	122.3	107.8?			563
8381	C_9H_{12}	Cumene	152.8	Nonazeotrope			575
8382	C_9H_{12}	Mesitylene	164.6	Nonazeotrope			575
8383	C_9H_{12}	Propylbenzene	158.8	Nonazeotrope			537
8384	$C_9H_{20}O_2$	Diisobutoxymethane	163.8	Nonazeotrope			324
8385	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope			575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_4H_{10}O$**	**Isobutyl Alcohol *(continued)***	**108.0**				
8386	$C_{10}H_{16}$	Camphene	159.6	Nonazeotrope			537
8387	$C_{10}H_{16}$	***d*-Limonene**	**177.8**	Nonazeotrope			541
8388	$C_{10}H_{16}$	Nopinene	163.8	Nonazeotrope			575
8389	$C_{10}H_{16}$	α-Pinene	155.8	107.95	>99		528
8390	$C_{10}H_{16}$	Thymene	179.7	Nonazeotrope			537
8391	$C_{10}H_{22}$	2,7-Dimethyloctane	160.1	Nonazeotrope			575
8392	$C_{10}H_{22}O_2$	Acetaldehyde diisobutyl acetal	171.3	Nonazeotrope			45
A =	**$C_4H_{10}O$**	**Methyl Propyl Ether**	**38.95**				
8393	$C_4H_{11}N$	Diethylamine	55.9	Nonazeotrope			551
8394	C_5H_8	Isoprene	34.3	Nonazeotrope			558
8395	C_5H_{10}	2-Methyl-2-butene	37.15	36.3	25		558
8396	C_5H_{12}	Pentane	36.2	35.3	22		558
A =	**$C_4H_{10}O_2$**	**Acetaldehyde Dimethyl Acetal**	**64.3**				
8797	$C_4H_{11}N$	Diethylamine	55.9	Nonazeotrope			551
8398	C_6H_6	Benzene	80.15	Nonazeotrope			558
8399	C_6H_{12}	Methylcyclopentane	72.0	64.0	83		558
8400	C_6H_{14}	Hexane	68.8	64.0	70		558
A =	**$C_4H_{10}O_2$**	***l*-2,3-Butanediol**	**183-184**				
8401	$C_8H_{14}O_4$	*meso*-2,3-Butanediol diacetate	190-193	177.6	60.5	v-l	731
		" 500 mm.		164.6	55.5	v-l	731
		" 350 mm.		153.0	49.9	v-l	731
		" 250 mm.		143.5	46.6	v-l	731
A =	**$C_4H_{10}O_2$**	**2,3-Butylene Glycol**	**182**				
8402	C_8H_{10}	Xylene		135			1037
8403	C_9H_{12}	Cumene	152.4	146.8			1037
A =	**$C_4H_{10}O_2$**	**1,4-Butanediol**	**230**				
8404	$C_6H_{12}O_2$	4-Vinyloxybutanol		Min. b.p.			263
A =	**$C_4H_{10}O_2$**	**1,2-Dimethoxyethane**	**85.2**				
8405	$C_6H_{14}O$	Isopropyl ether	68.3	Nonazeotrope			981
A =	**$C_4H_{10}O_2$**	**2-Ethoxyethanol**	**135.3**				
8406	$C_5H_4O_2$	2-Furaldehyde	161.45	Nonazeotrope			527
8407	C_5H_5N	Pyridine	115.4	Nonazeotrope			553
8408	C_5H_7N	2-Methylpyrrol	147.5	Nonazeotrope			575
8409	C_5H_8O	Cyclopentanone	130.65	< 130.2	<27		552
8410	$C_5H_8O_2$	Methyl methacrylate	99.8	Nonazeotrope			413
8411	C_5H_9N	Valeronitrile	141.3	< 135.0			575
8412	$C_5H_{10}O$	Cyclopentanol	140.85	Nonazeotrope			526
8413	$C_5H_{10}O_2$	Propyl acetate	101.6	Nonazeotrope		v-l	657
8414	$C_5H_{10}O_3$	Ethyl lactate	154.1	Nonazeotrope			575
8415	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	Nonazeotrope			556
8416	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	118.0	~ 8		575
8417	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	132.0	60?		526
8418	$C_5H_{11}NO_3$	Isoamyl nitrate	149.75	133.7	72		527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_4H_{10}O_2$**	**2-Ethoxyethanol** ***(continued)***	**135.3**				
8419	$C_5H_{12}O$	Amyl alcohol	138.2	Nonazeotrope			526
8420	$C_5H_{12}O$	Isoamyl alcohol	131.9	Nonazeotrope			527
8421	$C_5H_{12}O$	2-Pentanol	119.8	Nonazeotrope			575
8422	C_6H_5Br	Bromobenzene	156.1	135.22	86		556
8423	C_6H_5Cl	Chlorobenzene	131.75	127.15	32		527
8424	C_6H_5I	Iodobenzene	188.45	Nonazeotrope			575
8425	C_6H_6	Benzene	80.15	Nonazeotrope			575
8426	C_6H_6O	Phenol	182.2	Nonazeotrope			556
8427	C_6H_{10}	Cyclohexene	82.75	Nonazeotrope			526
8428	$C_6H_{10}O$	Mesityl oxide	129.45	128.9	18		527
8429	$C_6H_{11}N$	Capronitrile	163.9	Nonazeotrope			575
8430	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope			575
8431	C_6H_{12}	Hexene	63.5	Nonazeotrope		v-l	933
8432	$C_6H_{12}O$	3-Hexanone	123.3	Nonazeotrope			552
8433	$C_6H_{12}O$	4-Methyl-2-pentanone	116.05	Nonazeotrope			552
8434	$C_6H_{12}O_2$	Butyl acetate	124.8	125.8	35.7		129
		"	126.2	125.7	13	v-l	658
8435	$C_6H_{12}O_2$	Ethyl butyrate	121.5	Nonazeotrope			575
8436	$C_6H_{12}O_2$	Isoamyl formate	123.8	Nonazeotrope			556
8437	$C_6H_{12}O_2$	Isobutyl acetate	117.4	Nonazeotrope			575
8438	$C_6H_{12}O_2$	Methyl isovalerate	116.5	Nonazeotrope			575
8439	$C_6H_{12}O_2$	Propyl propionate	123.0	Nonazeotrope			526
8440	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope			556
8441	$C_6H_{12}O_3$	Paraldehyde	124.35	123.8	14		1048
8442	C_6H_{14}	Hexane	68.74	Nonazeotrope		v-l	933
8443	$C_6H_{14}N_2$	2,5-Dimethyl piperazine	164	Nonazeotrope			981
8444	$C_6H_{14}O_2$	1,2-Diethoxyethane	123	121.0	3.1		129
8445	$C_6H_{14}O_3$	2-(2-Ethoxyethoxy) ethanol	202.8	Nonazeotrope			981
8446	$C_6H_{14}S$	Propyl sulfide	140.8	130.2	52		555
8447	$C_6H_{15}NO$	2-Diethylaminoethanol	162.2	Nonazeotrope			552
8448	C_7H_7Cl	*o*-Chlorotoluene	159.2	Nonazeotrope			526
8449	C_7H_7Cl	*p*-Chlorotoluene	162.4	Nonazeotrope			556
8450	C_7H_8	Toluene	110.75	110.15	10.8		556
8451	C_7H_8O	Anisole	153.85	135.25	94		556
8452	C_7H_{14}	Methylcyclohexane	101.15	98.6	15		526
8453	$C_7H_{14}O$	5-Methyl-2-hexanone	144.2	Nonazeotrope			552
8454	$C_7H_{14}O_2$	Amyl acetate	148.8	Nonazeotrope			575
8455	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	130.5	42		526
8456	$C_7H_{14}O_2$	Isoamyl acetate	142.1	133.8	70		526
8457	$C_7H_{14}O_2$	Isobutyl propionate	137.5	131.5	35		567
8458	$C_7H_{14}O_2$	Methyl caproate	149.8	Nonazeotrope			575
8459	$C_7H_{14}O_2$	Propyl butyrate	143.7	133.5	72		556
8460	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	Nonazeotrope			575
8461	C_7H_{16}	Heptane	98.4	96.5	14		556

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_4H_{10}O_2$**	**2-Ethoxyethanol** ***(continued)***	**135.3**			
8462	C_8H_8	Styrene	145.8	130.0	55	575,750
		" 50 mm.		59.8	42.5 v-l	294
		" 60 mm.			v-l	311c
8463	C_8H_{10}	Ethylbenzene,				
		50 mm.		53.9	27.6 v-l	294
		" 57 mm.	60.62	50.0	42 vol. %	826
		" 735 mm.	134.9	126.2	43.3 v-l	455
		"	136.15	128	45 v-l	673
		"	136.15	127.8	48	526,750
8464	C_8H_{10}	*m*-Xylene 60°C.			v-l	311c
		" 735 mm.	137.9	127.7	48.9 v-l	455
		"	139.2	128.85	51	527
8465	C_8H_{10}	*o*-Xylene 60 mm.			v-l	311c
		" 735 mm.	143.1	129.6	57.2 v-l	455
		"	144.3	130.8	55	526
8466	C_8H_{10}	*p*-Xylene 60°C.			v-l	311c
		"	138.45	128.6	50	556
		" 735 mm.	137.4	127.3	47.9 v-l	455
8467	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope		526
8468	$C_8H_{10}O$	*p*-Methylanisole	177.05	Nonazeotrope		575
8469	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope		575
8470	C_8H_{16}	*trans*-1,2-Dimethyl-cyclohexane	123.42	115.6	27 vol. %	826
8471	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	114.0	30	575,928
8472	C_8H_{16}	Ethylcyclohexane	131.8		37	928
		"	131.78	120.2	33 vol. %	826
8473	C_8H_{16}	*cis*-2-Octene	125.6	117.9	28 vol. %	826
8474	$C_8H_{16}O_2$	Propyl isovalerate	155.7	Nonazeotrope		575
8475	C_8H_{18}	2,5-Dimethylhexane	109.4		~ 16	928
		"	109.4	105.0	22.5	526
		"	109.10	105.1	16 vol. %	826
8476	C_8H_{18}	3,3-Dimethylhexane	111.97	107.1	17 vol. %	826
		"	111.9		~ 17	928
8477	C_8H_{18}	3-Ethyl-3-methylpentane			~ 24	928
		"	118.26	111.7	23 vol. %	826
8478	C_8H_{18}	Octane	125.75	122.5	33.6 v-l	673
		"	125.75	116.0	38	569
		"	125.75		~ 28	928
8479	$C_8H_{18}O$	Butyl ether	141	127.0	50	129
8480	$C_8H_{18}O$	Isobutyl ether	122.3	119.0	33	526
8481	C_9H_8	Indene	182.8	Nonazeotrope		575
8482	C_9H_{12}	Cumene	152.8	133.2	67	527
8483	C_9H_{12}	*o*-Ethyltoluene			~ 92	928
		"	165.15	135.0	91 vol. %	826
8484	C_9H_{12}	Mesitylene, 735 mm.	163.4	133.7	85.7 v-l	455
		"	164.6	Nonazeotrope		575
8485	C_9H_{12}	Propylbenzene	159.3	134.6	80	526

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_4H_{10}O_2$**	**2-Ethoxyethanol** *(continued)*	**135.3**			
					~ 77	928
8486	C_9H_{12}	Pseudocumene	168.2	Nonazeotrope		575
8487	C_9H_{18}	Butylcyclopentane	156.56	130.3	61 vol. %	826
8488	C_9H_{18}	Isobutylcyclopentane	147.6	127.4	49 vol. %	826
8489	C_9H_{18}	Isopropylcyclohexane	154.5	129.5	56 vol. %	826
8490	C_9H_{18}	1-Nonene	146.87	128.1	48 vol. %	826
8491	C_9H_{18}	Propylcyclohexane	156.72	130.2	59 vol. %	826
8492	C_9H_{20}	3,3-Diethylpentane	146.17	126.4	45 vol. %	826
		"			~ 45	928
8493	C_9H_{20}	***n*-Nonane**	**150.7**		~ 51	928
		"	150.8	128.0	50 vol. %	826
8494	C_9H_{20}	2,2,3,3-Tetramethyl-pentane	140.27	124.1	40 vol. %	826
		"			~ 39	928
8495	C_9H_{20}	2,2,4,4-Tetramethyl-pentane			~ 24	928
		"	122.28	114.3	26 vol. %	826
8496	C_9H_{20}	2,3,3,4-Tetramethyl-pentane	141.55	124.6	41 vol. %	826
		"			~ 42	928
8497	C_9H_{20}	2,2,3-Trimethylhexane	133.60	120.8	34 vol. %	826
8498	C_9H_{20}	2,2,4-Trimethylhexane	126.54	116.8	26 vol. %	826
8499	C_9H_{20}	2,3,3-Trimethylhexane	137.68	122.8	41 vol. %	826
8500	C_9H_{20}	2,3,5-Trimethylhexane	131.34	119.5	32 vol. %	826
8501	C_9H_{20}	2,4,4-Trimethylhexane	130.65	119.1	34 vol. %	826, 928
8502	C_9H_{20}	3,3,4-Trimethylhexane	140.46	124.0	40 vol. %	826
8503	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		556
8504	$C_{10}H_{16}$	Camphene	159.6	131.0	65	526
8505	$C_{10}H_{16}$	Nopinene	163.8	< 133.0		575
8506	$C_{10}H_{16}$	α-Pinene	155.8	< 131.0	57	575
8507	$C_{10}H_{16}$	α-Terpinene	173.4	< 135.0	<87	575
8508	$C_{10}H_{18}O$	Cineol	176.35	Nonazeotrope		575
8509	$C_{10}H_{20}$	***tert*-Butylcyclohexane**	171.5	133.3	73 vol. %	826
8510	$C_{10}H_{22}$	2,7-Dimethyloctane	160.2	130.8	63	556
8511	$C_{10}H_{22}O$	Isoamyl ether	173.2	Nonazeotrope		575
A =	**$C_4H_{10}O_2$**	**1-Methoxy-2-propanol**	**118**			
8512	C_7H_8	Toluene	110.7	106.5	30	215
A =	**$C_4H_{10}O_3$**	**Diethylene Glycol**	**245.5**			
8513	$C_5H_{12}O_3$	2-(2-Methoxyethoxy) ethanol	193.6	Nonazeotrope		981
8514	$C_6H_4Br_2$	*p*-Dibromobenzene	220.25	212.85	13	527
8515	$C_6H_4ClNO_2$	*m*-Chloronitrobenzene	235.5	228.2	32	554
8516	$C_6H_4ClNO_2$	*o*-Chloronitrobenzene	246.0	233.5	41	554
8517	$C_6H_4ClNO_2$	*p*-Chloronitrobenzene	239.1	229.5	34	527
8518	$C_6H_5NO_2$	Nitrobenzene	210.75	210.0	10	527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_4H_{10}O_3$**	**Diethylene Glycol** *(continued)*	**245.5**				
8519	$C_6H_5NO_3$	*o*-Nitrophenol	217.2	216.0	10.5		527
8520	C_6H_6	Benzene	80.1	Nonazeotrope			981
8521	$C_6H_6O_2$	Pyrocatechol	245.9	259.5	46		569
8522	$C_6H_8O_4$	Methyl fumarate	193.25	Nonazeotrope			526
8523	$C_6H_8O_4$	Methyl maleate	204.05	Nonazeotrope			526
8524	$C_6H_{12}O_3$	2-(2-Vinyloxyethoxy) ethanol		Min. b.p.			263
8525	$C_6H_{14}O_3$	2-(2-Ethoxyethoxy) ethanol	202.8	Nonazeotrope			981
8526	$C_6H_{14}O_4$	Triethylene glycol, 3 mm.		Nonazeotrope		v-l	183
8527	C_7H_7BrO	*o*-Bromoanisole	217.7	211.0	25		575
8528	$C_7H_7NO_2$	*m*-Nitrotoluene	230.8	224.2	25		554
8529	$C_7H_7NO_2$	*o*-Nitrotoluene	221.75	218.2	71.5		527
8530	$C_7H_7NO_2$	*p*-Nitrotoluene	238.9	228.75	35		527
8531	**C_7H_8**	Toluene 130°		Nonazeotrope		v-l	88
		" 100°				v-l	883
		" 50°				v-l	883
8532	C_7H_8O	Benzyl alcohol	205.25	Nonazeotrope			526
8533	C_7H_8O	*m*-Cresol	202.4	Nonazeotrope		v-l	730
8534	C_7H_8O	*p*-Cresol	202.0	Nonazeotrope		v-l	730
8535	$C_7H_{12}O_4$	Ethyl malonate	199.35	Reacts			526
8536	$C_7H_{16}O_4$	2-[2-(2-Methoxyethoxy) ethoxy]-ethanol	245.25	245.0	22		527
8537	C_8H_7N	Indole	253	Azeo. distillation			330
8538	C_8H_8O	Acetophenone	202.0	Nonazeotrope			552
8539	$C_8H_8O_2$	Anisaldehyde	249.5	< 244			575
8540	$C_8H_8O_2$	Benzyl formate	202.3	Nonazeotrope			526
8541	$C_8H_8O_2$	Methyl benzoate	199.4	Nonazeotrope			526
8542	$C_8H_8O_2$	Phenyl acetate	195.7	Nonazeotrope			575
8543	$C_8H_8O_3$	Methyl salicylate	222.95	220.55	16		527
8544	C_8H_9BrO	*p*-Bromophenetole	234.2	222.0	32		575
8545	C_8H_{10}	Ethylbenzene	136.15	Azeo. distillation			330
8546	C_8H_{10}	o-Xylene 150°				v-l	883
		" 125°				v-l	883
		" 100°				v-l	883
8547	C_8H_{10}	*p*-Xylene	138.2	Azeo. distillation			330
8548	$C_8H_{10}O$	Phenethyl alcohol	219.4	Nonazeotrope			526
8549	$C_8H_{10}O$	3,4-Xylenol	226.8	Nonazeotrope			556
8550	$C_8H_{10}O_2$	2-Phenoxyethanol	245.2	< 244.5			575
8551	$C_8H_{11}NO$	*o*-Phenetidine	232.5	< 225.0	<18		575
8552	$C_8H_{11}NO$	*p*-Phenetidine	249.9	< 232.0	>52		575
8553	$C_8H_{12}O_4$	Ethyl fumarate	217.85	217.1	10		527
8554	$C_8H_{12}O_4$	Ethyl maleate	223.3	222.65	10.0		527
8555	$C_8H_{14}O_4$	Ethyl succinate	217.25	Reacts			526
8556	$C_8H_{18}O_3$	2-(2-Butoxyethoxy) ethanol, 10 mm.	109	Nonazeotrope			981

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_4H_{10}O_3$**	**Diethylene Glycol** *(continued)*	**245.5**			
8557	$C_8H_{18}O_4$	2-[2-(2-Ethoxyethoxy) ethoxy]ethanol, 2 mm.	98	87	43	982
		" 3 mm.		135	83.4	183
8558	C_9H_7N	Quinoline	237.3	233.6	29	527
8559	$C_9H_{10}O_2$	Benzyl acetate	215.0	214.85	7	527
8560	$C_9H_{10}O_2$	Ethyl benzoate	212.5	211.65	10	527
8561	$C_9H_{10}O_3$	Ethyl salicylate	233.8	225.15	30	569
8562	$C_9H_{12}O$	3-Phenylpropanol	235.6	Nonazeotrope		575
8563	$C_9H_{12}O$	Phenyl propyl ether	190.5	Nonazeotrope		526
8564	$C_{10}H_7Br$	1-Bromonaphthalene	281.2	240.8	59.5	527
8565	$C_{10}H_7Cl$	1-Chloronaphthalene	262.7	234.1	47	527
8566	$C_{10}H_8$	Naphthalene	218.0	212.6	22.0	527
		"	218.1	Azeo. distillation		330
8567	$C_{10}H_8O$	1-Naphthol	288.5	Nonazeotrope		556
8568	$C_{10}H_9N$	Quinaldine	246.5	< 241.0		575
8569	$C_{10}H_{10}O_2$	Isosafrol	252.0	233.5	46	526
8570	$C_{10}H_{10}O_2$	Methyl cinnamate	261.9	240.0	63	527
8571	$C_{10}H_{10}O_2$	Safrole	235.9	225.5	33	556
8572	$C_{10}H_{10}O_4$	Methyl phthalate	283.7	245.4	96.3	556
8573	$C_{10}H_{12}O$	Anethole	235.7	210.0	20	567
8574	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.75	224.0	20	567
8575	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	222.7	26	556
8576	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope		556
8577	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		575
8578	$C_{10}H_{14}O$	Carvacrol	237.85	236.0	27	526
8579	$C_{10}H_{14}O$	Thymol	232.9	232.25	13	527
8580	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope		552
8581	$C_{10}H_{18}O$	α-Terpineol	218.85	217.45	13.5	527
8582	$C_{10}H_{20}O$	Citronellol	224.4	Nonazeotrope		575
8583	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	227.0	45	526
8584	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	225.45	39	556
8585	$C_{11}H_{12}O_2$	Ethyl cinnamate	272.0	244.5	85?	526
8586	$C_{11}H_{14}OS$	2-(Benzylmercapto) ethyl vinyl ether		Min. b.p.		953
8587	$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethoxy-benzene	254.7	235.0	47	526
8588	$C_{11}H_{14}O_2$	Butyl benzoate	249.0	232.2	43	556
8589	$C_{11}H_{14}O_2$	1,2-Dimethoxy-4-propenyl-benzene	270.5	238.8	60	567
8590	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	228.65	37	556
8591	$C_{11}H_{16}O$	Methyl thymyl ether	216.5	210.5	~ 19	575
8592	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	< 191.0	< 9	575
8593	$C_{11}H_{20}O$	Methyl α-Terpineol ether	216.2	210.5	20	567
8594	$C_{12}H_9N$	Carbazole, >10 mm.	294	Nonazeotrope		272
8595	$C_{12}H_{10}$	Acenaphthene	277.9	239.6	62	527
8596	$C_{12}H_{10}$	Biphenyl	256.1	232.65	48	527,330

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_4H_{10}O_3$**	**Diethylene Glycol** *(continued)*	**245.5**			
8597	$C_{12}H_{10}O$	Phenyl ether, 4 mm.	100		23	982
		"	259.0	234.4	49.5	527
8598	$C_{12}H_{14}O_4$	Ethyl phthalate	297.5	Nonazeotrope		526
8599	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.0	236.55	52.5	527
8600	$C_{12}H_{16}O_3$	Isoamyl salicylate	277.5	Nonazeotrope		526
8601	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	210.0	22	526
8602	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	223.0	18	567
8603	$C_{12}H_{22}O_4$	Isoamyl oxalate	268.0	Reacts		526
8604	$C_{12}H_{24}OS$	2-(2-Ethylhexylthio) ethyl vinyl ether		Min. b.p.		953
8605	$C_{12}H_{26}O$	Hexyl ether, 50 mm.	137	129.9	15.5	982
8606	$C_{13}H_{10}$	Fluorene, 10-760 mm.	294	Min. b.p.		272
		"	295.0	243.0	80	526
8607	$C_{13}H_{12}$	Diphenylmethane	265.4	236.0	52	556
8608	$C_{13}H_{12}O$	Benzyl phenyl ether	286.5	241.5	80	575
8609	$C_{14}H_{10}$	Phenanthrene, 20 mm.		146	93	272
		" 100 mm.		180	96.2	272
		" 200 mm.		203	98.5	272
		" 300 mm.		217	99.5	272
		" 400 mm.		226	99.9	272
8610	$C_{14}H_{11}$	1,2-Diphenylethane	284.5	241.0	66	526
8611	$C_{14}H_{14}O$	Benzyl ether	297	< 243.8	>87	575
		" 5 mm.			40	982
8612	$C_{16}H_{34}O$	Bis(2-ethylhexyl) ether, 10 mm.	135	114		982
A =	**$C_4H_{10}S$**	**1-Butanethiol**	**97.8**			
8613	$C_4H_{10}S$	Ethyl sulfide	92.1	Nonazeotrope		575
8614	C_5H_5N	Pyridine	115.4	Nonazeotrope		575
8615	C_6H_6	Benzene	80.15	Nonazeotrope		566
8616	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope		566
8617	C_7H_8	Toluene	110.623	Nonazeotrope		202
8618	C_7H_{14}	*cis*-1,2-Dimethylcyclopentane	99.53	96.35	48.0	202
8619	C_7H_{14}	Ethylcyclopentane	103.45	97.76	72.15	202
8620	C_7H_{14}	*trans*-1,3-Dimethylcyclopentane	90.77	90.54	12.7	202
8621	C_7H_{14}	Methylcyclohexane	100.934	97.00	58.2	202
8622	C_7H_{16}	2,3-Dimethylpentane	89.79	59.53	15.1	202
8623	C_7H_{16}	Heptane	98.428	95.45	49.4	202
8624	C_7H_{16}	2-Methylhexane	90.05	89.74	15.4	202
8625	C_7H_{16}	3-Methylhexane	91.95	91.20	22.8	202
8626	C_8H_{18}	2,2-Dimethylhexane	106.843	98.01	78.8	202
8627	C_8H_{18}	2,5-Dimethylhexane	109.106	98.22	88.0	202
8628	C_8H_{18}	3,3-Dimethylhexane	111.927	98.56	97.6	202
8629	C_8H_{18}	2,2,4-Trimethylpentane	99.237	95.50	50.3	202
A =	**$C_4H_{10}S$**	**2-Butanethiol**	**85.15**			
8630	$C_4H_{10}S$	Isopropyl methyl sulfide	84.76	Nonazeotrope		205
8631	C_6H_6	Benzene	80.103	Nonazeotrope		202

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_4H_{10}S$**	**2-Butanethiol** *(continued)*	**85.15**			
8632	C_6H_{12}	Cyclohexane	80.738	79.97	25.5	202
8633	C_6H_{12}	Methylcyclopentane	71.812	Nonazeotrope		202
8634	C_7H_{14}	1,1-Dimethylcyclopentane	87.84	83.90	64.1	202
8635	C_7H_{14}	*trans*-1,3-Dimethylcyclopentane	90.77	84.75	78.1	202
8636	C_7H_{16}	2,2-Dimethylpentane	79.205	78.60	23.1	202
8637	C_7H_{16}	2,3-Dimethylpentane	89.79	84.16	68.6	202
8638	C_7H_{16}	2,4-Dimethylpentane	80.51	79.55	28.1	202
8639	C_7H_{16}	Heptane	98.428	Nonazeotrope		202
8640	C_7H_{16}	2-Methylhexane	90.05	84.30	72.1	202
8641	C_7H_{16}	3-Methylhexane	91.95	84.70	80.8	202
A =	**$C_4H_{10}S$**	**Ethyl Sulfide**	**92.1**			
8642	$C_4H_{10}S$	2-Methyl-1-propanethiol	87.8	87.0	85	575
8643	C_5H_5N	Pyridine	115.4	Nonazeotrope		566
8644	C_5H_7N	1-Methyl pyrrol	112.8	Nonazeotrope		575
8645	$C_5H_{10}O$	Isovaleraldehyde	92.1	88.5	53	566
8646	$C_5H_{10}O$	3-Methyl-2-butanone	95.4	78.0	70	566
8647	$C_5H_{10}O$	3-Pentanone	102.05	Nonazeotrope		566
8648	$C_5H_{10}O_2$	Methyl butyrate	102.65	Nonazeotrope		548
8649	$C_5H_{10}O_2$	Methyl isobutyrate	92.5	< 91.7	>56	566
8650	$C_5H_{10}O_2$	Propyl acetate	101.6	Nonazeotrope		548
8651	$C_5H_{12}O$	Isoamyl alcohol	131.9	Nonazeotrope		527
8652	$C_5H_{12}O_2$	Diethoxymethane	87.95	85.9	35	566
8653	C_6H_6	Benzene	80.2	Nonazeotrope		205,531
8654	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope		205,531
8655	$C_6H_{14}O$	Isoproyl ether	68.3	Nonazeotrope		566
8656	$C_6H_{14}O$	Propyl ether	90.1	< 89.5	>25	566
8657	$C_6H_{14}O_2$	Acetal	104.5	Nonazeotrope		563
8658	C_7H_{14}	*trans*-1,3-Dimethylcyclopentane	90.80	88.89	41.0	205
8658	C_7H_{14}	1,1-Dimethylcyclopentane	87.90	86.98	26.1	205
8660	C_7H_{14}	Methylcyclohexane	101.05	92.10	94.5	205
		"	101.1	Nonazeotrope		531
8661	C_7H_{16}	Heptane	98.4	< 91.8	>78	566
8662	C_7H_{16}	3-Methylhexane	91.60	89.19	48.3	205
8663	C_7H_{16}	2,3-Dimethylpentane	89.90	87.93	38.6	205
8664	C_7H_{16}	2,4-Dimethylpentane	80.55	80.53	2.26	205
8665	C_8H_{18}	2,2,4-Trimethylpentane	99.30	91.44	77.0	205
A =	**$C_4H_{10}S$**	**Isopropyl Methyl Sulfide**	**84.76**			
8666	C_6H_{12}	Cyclohexane	80.85	79.76	30	205
8667	C_6H_{12}	Methylcyclopentane	71.85	Nonazeotrope		205
8668	C_7H_{14}	*trans*-1,3-Dimethylcyclopentane	90.80	84.38	80.4	205

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_4H_{10}S$**	**Isopropyl Methyl Sulfide** *(continued)*	**84.76**			
8669	C_7H_{14}	1,1-Dimethylcyclopentane	87.90	83.62	64.9	205
8670	C_7H_{16}	3-Methylhexane	91.60	84.38	82.4	205
8671	C_7H_{16}	2,3-Dimethylpentane	89.90	83.83	72.8	205
8672	C_7H_{16}	2,4-Dimethylpentane	80.55	79.39	29.7	205
8673	C_7H_{16}	2,2-Dimethylpentane	79.20	78.40	23.3	205
A =	**$C_4H_{10}S$**	**2-Methyl-1-propanethiol**	**88.72**			
8674	C_6H_6	Benzene	80.103	Nonazeotrope		202
8675	C_6H_8	1,3-Cyclohexadiene	80.8	Reacts		563
8676	C_6H_8	1,4-Cyclohexadiene	85.6	Reacts		563
8677	C_6H_{10}	Cyclohexene	82.75	Reacts		563
8678	C_6H_{12}	Cyclohexane	80.738	80.70	11.7	202
8679	C_6H_{14}	Hexane	68.8	Nonazeotrope		575
8680	C_7H_{14}	1,1-Dimethylcyclopentane	87.84	85.69	44.25	202
8681	C_7H_{14}	*cis*-1,2-Dimethylcyclopentane	99.53	88.52	98.6	202
8682	C_7H_{14}	*trans*-1,3-Dimethylcyclopentane	90.77	87.02	58.6	202
8683	C_7H_{14}	Ethylcyclopentane	103.46	Nonazeotrope		202
8684	C_7H_{14}	Methylcyclohexane	100.934	88.55	98.9	202
8685	C_7H_{16}	2,2-Dimethylpentane	79.205	79.12	10.3	202
8686	C_7H_{16}	2,3-Dimethylpentane	89.79	86.28	54.1	202
8687	C_7H_{16}	2,4-Dimethylpentane	80.51	80.28	14.1	202
8688	C_7H_{16}	Heptane	98.428	88.50	91.3	202
8689	C_7H_{16}	3-Methylhexane	91.95	87.16	62.8	202
8690	C_7H_{16}	2,2,3-Trimethylbutane	80.871	80.60	16.4	202
8691	C_8H_{18}	2,2,4-Trimethylpentane	99.237	88.41	90.0	202
A =	**$C_4H_{10}S$**	**2-Methyl-2-propanethiol**	**64.35**			
8692	C_6H_{12}	Methylcyclopentane	71.812	63.37	95.3	202
8693	C_6H_{14}	2,3-Dimethylbutane	57.990	57.82	21.1	202
8694	C_6H_{14}	Hexane	68.742	63.78	75.8	202
8695	C_6H_{14}	2-Methylpentane	60.274	59.55	30.4	202
8696	C_6H_{14}	3-Methylpentane	63.284	61.51	46.5	202
A =	**$C_4H_{10}S$**	**Methyl Propyl Sulfide**	**95.47**			
8697	C_7H_{14}	Ethylcyclopentane	103.45	95.41	90.7	205
8698	C_7H_{14}	Methylcyclohexane	101.05	95.06	78.0	205
8699	C_7H_{14}	*trans*-1,3-Dimethylcyclopentane	90.80	90.11	24.3	205
8700	C_7H_{14}	1,1-Dimethylcyclopentane	87.90	87.66	9.7	205
8701	C_7H_{16}	3-Methylhexane	91.60	90.53	32.95	205
8702	C_7H_{16}	2,3-Dimethylpentane	89.90	89.10	22.75	205
8703	C_8H_{18}	2,2-Dimethylhexane	106.85	95.42	94.4	205
8704	C_8H_{18}	2,2,4-Trimethylpentane	99.30	94.00	62.2	205
A =	**$C_4H_{10}S_2$**	**Ethyl Disulfide**	**154.11**			
8705	C_9H_{20}	Nonane	150.65	148.62	41.2	205
8706	$C_{10}H_{22}$	3-Ethyl-3-methyl-heptane	163.00	153.02	80.2	205

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_4H_{11}N$**	**Butylamine**	**77.8**				
8707	C_6H_{12}	Cyclohexane	80.75	76.5	60		551
8707a	C_6H_{12}	1-Hexene 60°C.		Nonazeotrope		v-l	406c
8708	C_6H_{12}	Methylcyclopentane	72.0	< 77.5			551
8708a	C_6H_{14}	Hexane 617 mm.		60	22	v-l	406c
A =	**$C_4H_{11}N$**	**Diethylamine**	**55.9**				
8709	C_5H_{10}	2-Methyl-2-butene	37.1	Nonazeotrope			551
8710	$C_5H_{10}O$	3-Methyl-2-butanone	95.4	Nonazeotrope			551
8711	C_5H_{12}	Pentane	36.15	Nonazeotrope			551
8712	$C_5H_{12}O$	Ethyl propyl ether	63.85	Nonazeotrope			551
8713	C_6H_{10}	Biallyl	60.1	< 55.5			551
8713a	C_6H_{12}	1-Hexene 60°C.		Nonazeotrope		v-l	406c
8714	C_6H_{12}	Methylcyclopentane	72.0	Nonazeotrope			551
8715	C_6H_{14}	2,3-Dimethylbutane	58.0	< 55.0	<62		551
8716	C_6H_{14}	Hexane	68.8	Nonazeotrope		v-l	406c,551
8716	C_6H_{14}	*n*-Hexane	68.8	Nonazeotrope			551
8717	$C_6H_{14}O$	Isopropyl ether	68.3	Nonazeotrope			981
8718	$C_6H_{15}NO$	2-(Diethylamino) ethanol	162.1	Nonazeotrope			981
A =	**$C_4H_{11}N$**	**Isobutylamine**	**68.0**				
8719	C_5H_{10}	Cyclopentane	49.3	Nonazeotrope			551
8720	$C_5H_{10}O$	3-Methyl-2-butanone	95.4	Nonazeotrope			551
8721	C_5H_{12}	*n*-Pentane	36.15	Nonazeotrope			551
8722	C_6H_6	Benzene	80.15	Nonazeotrope			551
8723	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope			551
8724	C_6H_{12}	Methylcyclopentane	72.0	< 67.6	>59		575
8725	C_6H_{14}	*n*-Hexane	68.8	< 66.5	>52		551
A =	**$C_4H_{11}NO$**	**2-Amino-2-methyl-1-propanol**	**165.4**				
8726	C_8H_9Cl	*o,m,p*-Chloroethylbenzene, 10 mm.	67.5	59.0	46		51
A =	**$C_4H_{11}NO$**	**2-Dimethylaminoethanol**	**134.6**				
8727	C_8H_6	Phenylacetylene	142	min. b.pt.			244
8728	C_8H_8	Styrene	144.7	"			244
8729	C_8H_{10}	Ethylbenzene	136.2	"			244
8730	C_8H_{10}	*o,m,p*-Xylenes	140	"			244
A =	**$C_4H_{11}NO_2$**	**2,2'-Iminodiethanol**	**268.0**				
8731	$C_6H_{15}NO_3$	2,2'-Iminodiethanol 2,2',2"-Nitrilo-triethanol 2 mm.	195	Nonazeotrope			981
8732	$C_{10}H_{10}O_2$	Isosafrole	252.0	<246.0			575
8733	$C_{10}H_{15}N$	*N,N*-Diethylaniline	217.05	Nonazeotrope			575
8734	$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethoxy-benzene	254.7	<247.0			575
8735	$C_{12}H_{10}O$	Phenyl ether	259.0	<250.0			575
A =	**$C_4H_{11}PO_3$**	**Diethylphosphite**					
8736	C_5H_9NO	α-Hydroxyvaleronitrile 4 mm.		90	33.8		24
8737	$C_5H_{12}O$	*tert*-Amyl alcohol	102.25	Nonazeotrope			24
8738	$C_6H_{14}O$	Hexyl alcohol 8 mm		63	57.5		24

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_4H_{11}PO_3$**	**Diethylphosphite** *(continued)*					
8739	$C_7H_{11}NO$	α-Hydroxycyclohexane-nitrile 1.5 mm		92	15.1		24
A =	**$C_4H_{12}SiO_4$**	**Methyl Silicate**	**121.8**				
8740	$C_6H_{12}O_3$	Paraldehyde	124.35	<121.3			557
A =	**$C_5Cl_2F_6$**	**1,2-Dichlorohexafluorocyclopentene**	**90.6**				
8741	$C_8F_{16}O$	Perfluorocyclic oxide	102.6	90.4	80	v-l	1041
A =	**C_5F_{10}**	**Perfluorocyclopentane**					
8742	C_5F_{12}	Perfluoropentane, 9.6°-25° C.		Nonazeotrope		v-l	695
8743	C_6F_{14}	Perfluorohexane 15°-25° C.		Nonazeotrope		v-l	695
A =	**$C_5H_4F_8O$**	**2,2,3,3,4,4,5,5-Octafluoro-1-pentanol**					
8744	$C_5H_{12}O$	Active amyl alcohol	128.5	Nonazeotrope			958
8745	$C_5H_{12}O$	Isoamyl alcohol	132.0	Nonazeotrope			958
A =	**$C_5H_4O_2$**	**2-Furaldehyde**	**161.45**				
8746	$C_5H_6O_2$	Furfuryl alcohol	169	Nonazeotrope		v-l	220
		" 25 mm.		Nonazeotrope		v-l	1028
8747	$C_5H_8O_3$	Methyl acetoacetate	~ 169.5	Reacts			563
8748	$C_5H_{10}O_2$	Isovaleric acid	176.5	Nonazeotrope			542
8749	$C_5H_{10}O_3$	Ethyl lactate	154.1	Nonazeotrope			575
8750	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	Nonazeotrope			575
8751	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	Nonazeotrope			527
8752	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.6	146.5	~ 15		548
8753	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	151.1	14		527
8754	$C_5H_{12}O_3$	2-(2-Methoxyethoxy) ethanol	192.95	Nonazeotrope			575
8755	$C_6H_4Cl_2$	*o*-Dichlorobenzene	179.5	161.0	78		527
8766	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.35	160.3	63.5		527
8757	C_6H_5Br	Bromobenzene	156.1	153.3	23		556
8758	C_6H_5Cl	Chlorobenzene	132.0	Nonazeotrope			527
8759	C_6H_5I	Iodobenzene	188.45	Nonazeotrope			527
8760	C_6H_6	Benzene	80.1	Nonazeotrope		v-l	163,961
8761	C_6H_6O	Phenol	181.5	Nonazeotrope			563
8762	$C_6H_{10}O$	Cyclohexanone	155.6	Nonazeotrope			538
8763	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope		v-l	163,961
8764	$C_6H_{12}O$	Cyclohexanol	160.7	156.5	5.5		527
8765	$C_6H_{12}O_2$	Methyl isovalerate	155.8	Nonazeotrope			563
8766	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope			527
8767	$C_6H_{12}O_3$	Propyl lactate	171.7	Nonazeotrope			575
8768	$C_6H_{14}O$	Hexyl alcohol	157.85	154.1	44		564
8769	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	161.2	88		527
8770	$C_6H_{14}S$	Propyl sulfide	141.5	Nonazeotrope			556

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_5H_4O_2$**	**2-Furaldehyde** *(continued)*	**161.45**				
8771	C_7H_7Br	***o*-Bromotoluene**	181.5	< 161.3	>80		527
		"	181.45	Nonazeotrope			532
8772	C_7H_7Cl	α-Chlorotoluene	179.3	Nonazeotrope			532
8773	C_7H_7Cl	***o*-Chlorotoluene**	159.3	155.4	35		527
8774	C_7H_7Cl	***p*-Chlorotoluene**	162.4	157.2	42		527
8775	C_7H_7ClO	***m*-Chloroanisole**	193.3	Nonazeotrope			575
8776	C_7H_8	Toluene	110.75	Nonazeotrope			528
8777	C_7H_8O	Anisole	153.85	153.25	22		556
8778	C_7H_{14}	Methylcyclohexane	101.05	100.8	4.1	v-l	317
8779	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	< 160.9	<94		527
8780	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	Nonazeotrope			527
8781	C_7H_{16}	Heptane	98.40	98.3	5.3	v-l	317
8782	C_8H_8	Styrene	145.8	< 145			527
8783	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			527
8784	C_8H_{10}	***m*-Xylene**	139.0	138.4	12		531
8785	C_8H_{10}	***o*-Xylene**	143.6	140.5	13		545
8786	C_8H_{10}	***p*-Xylene**	138.4	138.0	5		545
8787	$C_8H_{10}O$	Benzyl methyl ether	167.8	< 160.3	>85		575
8788	$C_8H_{10}O$	***p*-Methylanisole**	177.05	161.35	89		564
8789	$C_8H_{10}O$	Phenetole	170.45	~ 161.0	~ 83		548
8790	$C_8H_{14}O$	Methylheptenone	173.2	Nonazeotrope			545
8791	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	Nonazeotrope			556
8792	$C_8H_{16}O$	2-Octanone	172.9	Nonazeotrope			545
8793	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope			548
8794	$C_6H_{16}O_2$	Isoamyl propionate	160.7	< 159.5	>52		575
8795	$C_8H_{16}O_2$	Isobutyl butyrate	156.8	Nonazeotrope			532
8796	$C_8H_{16}O_2$	Propyl isovalerate	155.7	Nonazeotrope			538
8797	C_8H_{18}	Octane	125.8	Nonazeotrope			527
8788	$C_8H_{18}O$	Butyl ether	142.4	< 138.5	>11		527
8789	$C_8H_{18}O$	Octyl alcohol	195.2	Nonazeotrope			527
8800	$C_8H_{18}S$	Butyl sulfide	185.0	Nonazeotrope			556
8801	$C_8H_{18}S$	Isobutyl sulfide	172.0	< 161.3			575
8802	C_9H_8	Indene	182.6	Nonazeotrope			527
8803	C_9H_{12}	Cumene	152.8	148.5	27		527
8804	C_9H_{12}	Mesitylene	164.6	155.2	60		556
8805	C_9H_{12}	Pseudocumene	168.2	157.0	67		527
8806	C_9H_{12}	Propylbenzene	159.2	151.4	42		527
8807	$C_9H_{12}O$	Benzyl ethyl ether	185.0	Nonazeotrope			527
8808	$C_9H_{18}O_2$	Butyl isovalerate	177.5	Nonazeotrope			575
8809	$C_9H_{18}O_2$	Isoamyl isobutyrate	169.8	Nonazeotrope			575
8810	$C_9H_{18}O_2$	Isobutyl isovalerate	168.7	Nonazeotrope			532
8811	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope			527
8812	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope			575
		"	183.2	160.5	82		548
8813	$C_{10}H_{14}$	Cymene	176.7	157.8	68		531

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_5H_4O_2$**	**2-Furaldehyde** *(continued)*	**161.45**				
8814	$C_{10}H_{16}$	Camphene	159.5	146.75	40		556
8815	**$C_{10}H_{16}$**	***d*-Limonene**	177.8	155.95	35		529
8816	$C_{10}H_{16}$	α-Pinene	155.8	143.4	38		556
8817	$C_{10}H_{16}$	Nopinene	163.8	147.1	50		527
8818	$C_{10}H_{16}$	α-Terpinene	173.3	155.0	60		527
8819	$C_{10}H_{16}$	**γ-Terpinene**	183	< 160.0			575
8820	$C_{10}H_{16}$	Terpinolene	185.2	159.5	80		527
8821	$C_{10}H_{16}$	Thymene	179.7	158.5	72		531
8822	$C_{10}H_{16}$	Dipentene	177.7	155.95	65		527
8823	$C_{10}H_{18}O$	Cineol	176.35	157.25	59		569
8824	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope			575
8825	$C_{10}H_{22}$	2,7-Dimethyloctane	160.25	< 147.0	<48		527
8826	$C_{10}H_{22}O$	Amyl ether	187.5	< 158.5	>83		527
8827	$C_{10}H_{22}O$	Isoamyl ether	173.4	153.9	55		556
8828	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	Nonazeotrope			575
8829	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope			527
A =	**C_5H_5N**	**Pyridine**	**115.4**				
8830	$C_5H_{10}O$	2-Pentanone	102.35	Nonazeotrope			575
8831	$C_5H_{10}O$	3-Pentanone	102.05	Nonazeotrope			553
8832	$C_5H_{10}O_2$	Butyl formate	106.8	Nonazeotrope			553
8833	$C_5H_{10}O_3$	Ethyl carbonate	126.0	Nonazeotrope			562
8834	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.3	< 114.5	>60		548
8835	$C_5H_{11}N$	Piperidine	105.8	106.1	8		913,914
		"	106	105.8	3.4		413
8836	$C_5H_{12}O$	Amyl alcohol	138.2	Nonazeotrope			553
8837	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	Nonazeotrope			553
8838	$C_5H_{12}O$	Isoamyl alcohol	131.9	Nonazeotrope			527
8839	$C_5H_{12}O$	3-Pentanol	116.0	117.4	45		533
8840	C_6H_5Cl	Chlorobenzene	132.0	Nonazeotrope			548
8841	C_6H_6	Benzene	80.15	Nonazeotrope			553
8842	C_6H_6O	Phenol	181.4	183.10	13.1	v-l	791,27c
8843	C_6H_7N	2-Picoline	130.7	Nonazeotrope			575
8844	$C_6H_{10}O$	Mesityl oxide	129.45	Nonazeotrope			527
8845	$C_6H_{10}S$	Allyl sulfide	139.35	Nonazeotrope			566
8846	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope			553
		"	80.7	Nonazeotrope		v-l	428
8847	$C_6H_{12}O$	Pinacoline	106.2	Nonazeotrope			553
8848	$C_6H_{12}O$	3-Hexanone	123.3	Nonazeotrope			553
8849	$C_6H_{12}O$	4-Methyl-2-pentanone	116.05	114.9	60		527
8850	$C_6H_{12}O_2$	Butyl acetate	126.0	Nonazeotrope			553
8851	$C_6H_{12}O_2$	Ethyl butyrate	121.5	Nonazeotrope?			548
8852	$C_6H_{12}O_2$	Isoamyl formate	123.8	Nonazeotrope			553
8853	**$C_6H_{12}O_2$**	Isobutyl acetate	117.4	114.5			553
8854	$C_6H_{12}O_2$	Methyl isovalerate	116.5	< 115.0	>52		553
8855	$C_6H_{12}O_2$	Propyl propionate	123.0	Nonazeotrope			553
8856	$C_6H_{14}O$	Propyl ether	90.1	Nonazeotrope			553

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_5H_5N**	**Pyridine** ***(continued)***	**115.4**				
8857	$C_6H_{14}S$	Isopropyl sulfide	120.5	< 114.5	<72		553
8858	C_7H_8	Toluene	110.75	110.15	22		553
		"		110.1	20.3		497
		"	110.8	110.1	22.2	v-l	393,1069
8859	C_7H_{14}	Methylcyclohexane	100	Min. b.p.			553
8860	C_7H_{16}	***n*-Heptane**	**98.4**	< 97.0	<14		553
		"	98.40	95.60	25.3		1052,1071
		"	98.40	95	13.3	v-l	393
8861	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			1061
		"	136.15	Nonazeotrope			553
8862	C_8H_{10}	***m*-Xylene**	**139.2**	Nonazeotrope			553
8863	C_8H_{10}	***o*-Xylene**	**143.6**	Nonazeotrope			1070
8864	C_8H_{10}	***p*-Xylene**	**138.4**	Nonazeotrope			307
8865	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	< 111.0			553
8866	C_8H_{18}	2,5-Dimethylhexane	109.4	< 105.5	<40		553
8867	C_8H_{18}	***n*-Octane**	**125.75**	< 112.8	<90		553
		"	125.75	109.5	56.1		1052
8868	C_8H_{18}	2,2,4-Trimethylpentane	99.3	95.75	23.4		553
8869	$C_8H_{18}O$	Isobutyl ether	122.3	Nonazeotrope			553
8870	C_9H_{20}	Nonane	150.8	115.1	90		307
		"	150.7	115.1	89.9		1052
8871	$C_{10}H_8N_2$	2,2'-Dipyridyl	274	Nonazeotrope			413
8872	$C_{10}H_{22}$	Decane	173.3	Nonazeotrope			1052
A =	**C_5H_6**	**Cyclopentadiene**	**41**				
8872a	C_5H_8	Isoprene	34.07	Nonazeotrope			581e
A =	**$C_5H_6O_2$**	**Furfuryl Alcohol**	**169.35**				
8873	$C_5H_{11}NO_3$	Isoamyl nitrate	149.75	< 149.6			560
8874	$C_6H_4Cl_2$	***p*-Dichlorobenzene**	**174.4**	172.5	70		575
8875	C_6H_5Cl	Chlorobenzene	131.75	Nonazeotrope			575
8876	C_6H_6O	Phenol	182.2	187.0	30		567
8877	C_6H_7N	Aniline	184.35	Nonazeotrope			575
8878	$C_6H_{12}O$	Cyclohexanol	160.8	Nonazeotrope			575
8879	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope			575
8880	$C_6H_{14}O$	Hexyl alcohol	157.85	Nonazeotrope			575
8881	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	< 167.5	>60		575
8882	C_7H_6O	Benzaldehyde	179.2	Nonazeotrope			575
8883	C_7H_8O	Anisole	153.85	153.3	10		545
8885	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	< 168.3			575
8885	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	168.5	82		575
8886	C_8H_9Cl	***o,m,p*-Chloroethylbenzene, 10 mm.**	**67.5**	60.5	32		51
8887	$C_8H_{10}O$	Phenetole	170.45	165.0	46		545
8888	$C_8H_{11}N$	Dimethylaniline	194.15	Nonazeotrope			575
8889	$C_8H_{16}O_2$	Butyl butyrate	166.4	164.0	30		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_5H_6O_2$**	**Furfuryl Alcohol** *(continued)*	**169.35**				
8890	$C_8H_{16}O_2$	Isoamyl propionate	160.7	Nonazeotrope			575
8891	$C_8H_{16}O_2$	Propyl isovalerate	155.7	Nonazeotrope			575
8892	C_9H_7N	Quinoline	237.3	Nonazeotrope			553
8893	$C_9H_{13}N$	Dimethyl-*o*-toluidine	185.3	Nonazeotrope			575
8894	$C_{10}H_{22}O$	Isoamyl ether	173.4	165.7	50		545
A =	**C_5H_6S**	**2-Methylthiophene**	**111.92**				
8895	C_7H_{16}	Heptane	98.40	97.77	2.2		205
8896	C_8H_{18}	2-Methylheptane	117.70	109.97	67.8		205
8897	C_8H_{18}	2,5-Dimethylhexane	109.15	106.12	39.6		205
8898	C_8H_{18}	2,2-Dimethylhexane	106.85	104.62	33.2		205
A =	**C_5H_6S**	**3-Methylthiophene**	**114.96**				
8899	C_7H_{14}	Ethylcyclopentane	103.45	102.82	3.9		205
8900	C_7H_{16}	Heptane	98.40	Nonazeotrope			205
8901	C_8H_{16}	*trans*-1,3-Dimethylcyclohexane	120.3	113.17	66		205
8902	C_8H_{16}	1,1,2-Trimethylcyclopentane	113.75	110.47	43.2		205
8903	C_8H_{18}	Octane	125.70	114.15	82		205
8904	C_8H_{18}	2-Methylheptane	117.70	111.86	58.8		205
8905	C_8H_{18}	2,5-Dimethylhexane	109.15	107.12	31.7		205
A =	**C_5H_7N**	**2-Methylpyrrol**	**147.5**				
8906	$C_5H_{12}O$	Isoamyl alcohol	131.9	Nonazeotrope			575
A =	**C_5H_8**	**Cyclopentene**	**43.6**				
8907	C_5H_8	*cis*-Piperylene	43.6	43.2			178
		"			50 vol. %		1013
A =	**C_5H_8**	**Isoprene**	**34.2**				
8908	C_5H_8	3-Methyl-1,2-butadiene	40.8	Nonazeotrope			563
8909	C_5H_8	*trans*-Piperylene	42		9		1013
8910	C_5H_{10}	Cyclopentane	49.4	Nonazeotrope			561
8911	C_5H_{10}	2-Methyl-1-butene	32	Nonazeotrope			714
8912	C_5H_{10}	2-Methyl-2-butene		Nonazeotrope			714
		"	37.1	34.0	86		561
8913	C_5H_{10}	3-Methyl-1-butene	20.6	Nonazeotrope			561,714
8914	C_5H_{12}	2-Methylbutane	27.95	< 27.7	> 8		561
		"	27.6	Nonazeotrope			714
8915	C_5H_{12}	Pentane, 758 mm.	36	33.6	72.5	v-l	714
		"	36.15	33.8	90		561
8915a	$C_5H_{12}O$	*tert*-Butyl methyl ether	55	Nonazeotrope			581c
8916	$C_6F_{15}N$	Perfluorotriethylamine		30.2	45.5		717
A =	**C_5H_8**	**3-Methyl-1,2-butadiene**	**40.8**				
8917	C_5H_{10}	2-Methyl-2-butene	37.15	Nonazeotrope			563
A =	**C_5H_8**	**Piperylene**	**42.5**				
8917a	C_5H_9NO	*N*-Methyl-2-pyrrolidinone 30°–40°C.		Nonazeotrope		v-l	347c

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_5H_8Cl_4$**	**Tetrachloropentane**					
8918	$C_7H_{12}Cl_4$	Tetrachloroheptane, 12-150 mm.		Nonazeotrope		v-l	718
A =	**C_5H_8O**	**Cyclopentanone**	**130.65**				
8919	$C_5H_{10}O_3$	Ethyl carbonate	126.5	Nonazeotrope			552
8920	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	Nonazeotrope			552
8921	$C_5H_{12}O$	Active amyl alcohol	128.5	Nonazeotrope			958
8922	$C_5H_{12}O$	Isoamyl alcohol	131.85	127.8	60	v-l	233,234
		"	131.85	129.4			919
		"	131.85	Nonazeotrope			6
		"	131.9	< 130.0	>58		527
8923	$C_5H_{12}O$	2-Methyl-1-butanol	128.9	127			233,234
		"	128.9	124.6			919
8924	$C_5H_{12}O$	2-Pentanol	119.8	Nonazeotrope			552
8925	C_6H_5Cl	Chlorobenzene	131.75	Nonazeotrope			552
8926	$C_6H_{12}O_2$	Butyl acetate	126.0	Nonazeotrope			552
8927	$C_6H_{12}O_2$	Isoamyl formate	123.8	Nonazeotrope			552
8928	C_7H_8	Toluene	110.75	Nonazeotrope			552
8929	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	Nonazeotrope			552
8930	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			552
8931	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	118.0	20		552
A =	**$C_5H_8O_2$**	**Ethyl Acrylate**	**99.3**				
8932	$C_6H_{14}O$	Isopropyl ether	68.3	Nonazeotrope			981
A =	**$C_5H_8O_2$**	**Methyl Methacrylate**	**61.8/200 mm.**				
8933	$C_8H_{14}O_2$	Butyl methacrylate, 200 mm.	117.7	Nonazeotrope			413
8934	$C_8H_{14}O_3$	2-Ethoxyethyl methacrylate, 200 mm.	134.3	Nonazeotrope			413
A =	**$C_5H_8O_2$**	**2,4-Pentanedione**	**140.2**				
8935	$C_5H_8O_2$	Isopropenyl acetate	96.5	Nonazeotrope			413
8936	$C_5H_{10}O$	Cyclopentanol	140.85	< 135.5	>68		552
8937	$C_5H_{12}O$	Isoamyl alcohol	131.9	< 130.0	>35		552
		" "	131.8	Nonazeotrope			563
8938	C_6H_5Br	Bromobenzene	156.15	154.7	~ 10		563
8939	C_6H_5Cl	Chlorobenzene	131.8	Nonazeotrope			563
8940	C_6H_5I	Iodobenzene	188.55	~ 169	>90		563
8941	C_7H_7Cl	α-Chlorotoluene	179.35	~ 167.5	80		563
8942	C_7H_8	Toluene	110.75	Nonazeotrope			548
8943	$C_7H_{14}O_2$	Isobutyl propionate	137.5	136.4	45		552
8944	$C_7H_{14}O_2$	Propyl isobutyrate	134.0	Nonazeotrope			552
8945	C_8H_{10}	Ethylbenzene	136.15	~ 135	~ 35		548
8946	$C_8H_{18}O$	Isobutyl ether	122.2	Nonazeotrope			548
A =	**$C_5H_8O_3$**	**Ethyl Pyruvate**	**155.5**				
8947	C_6H_5Br	Bromobenzene	156.1	149.5	48		552
8948	C_6H_5Cl	Chlorobenzene	131.75	Nonazeotrope			552
8949	$C_6H_{10}O$	Cyclohexanone	155.7	153.5			552

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_5H_8O_3$**	**Ethyl Pyruvate** *(continued)*	**155.5**			
8950	$C_6H_{12}O_2$	Butyl acetate	126.0	Nonazeotrope		552
8951	$C_6H_{12}O_2$	Isoamyl formate	123.8	Nonazeotrope		575
8952	$C_6H_{14}S$	Propyl sulfide	141.5	Nonazeotrope		566
8953	C_7H_7Br	*o*-Bromotoluene	181.5	Nonazeotrope		552
8954	C_7H_7Cl	*o*-Chlorotoluene	159.2	151.5	52	552
8955	C_7H_7Cl	*p*-Chlorotoluene	162.4	153.2	58	552
8956	C_7H_8O	Anisole	153.85	148.0	50	552
8957	$C_7H_{14}O$	5-Methyl-2-hexanone	144.2	Nonazeotrope		552
8958	$C_7H_{14}O_2$	Butyl propionate	146.8	< 145.5	>23	552
8959	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	Nonazeotrope		552
8960	$C_7H_{14}O_2$	Propyl isobutyrate	134.0	Nonazeotrope		575
8961	C_8H_{10}	*m*-Xylene	139.2	137.2	30	552
8962	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope		552
8963	$C_8H_{16}O$	2-Octanone	172.85	Nonazeotrope		552
8964	$C_8H_{16}O_2$	Isoamyl propionate	160.7	153.0	67	552
8965	$C_8H_{16}O_2$	Isobutyl isobutyrate	148.6	147.0	33	552
8966	$C_8H_{16}O_2$	Propyl isovalerate	155.7	< 151.8		552
8967	$C_8H_{18}O$	Butyl ether	142.4	140.4		552
8968	$C_8H_{18}S$	Isobutyl sulfide	172.0	Nonazeotrope		566
8969	C_9H_{12}	Cumene	152.8	146.2	45	552
8970	C_9H_{12}	Mesitylene	164.6	< 151.5		552
8971	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	Nonazeotrope		552
8972	$C_{10}H_{16}$	Camphene	159.6	< 148.0		552
8973	$C_{10}H_{16}$	α-Pinene	155.8	< 147.0		552
8974	$C_{10}H_{18}O$	Cineol	176.35	Nonazeotrope		552
A =	**$C_5H_8O_3$**	**Levulinic Acid**	**252**			
8975	$C_6H_4ClNO_2$	*p*-Chloronitrobenzene	239.1	Reacts		565
8976	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope		552
8977	$C_7H_7NO_2$	*m*-Nitrotoluene	230.8	229.5	15	552
8978	$C_7H_7NO_2$	*o*-Nitrotoluene	221.75	221.55	4	552
8979	$C_7H_7NO_2$	*p*-Nitrotoluene	238.9	236.4	22	552
8980	$C_7H_{14}O_2$	Enanthic acid	222.0	Nonazeotrope		552
8981	$C_8H_8O_3$	Methyl salicylate	222.95	222.75	6	552
8982	$C_8H_{10}O$	3,4-Xylenol	226.8	Nonazeotrope		552
8983	$C_8H_{12}O_4$	Ethyl maleate	223.3	Nonazeotrope		552
8984	$C_8H_{16}O_2$	Caprylic acid	238.5	Nonazeotrope		552
8985	$C_9H_{10}O_3$	Ethyl salicylate	233.8	230.5	18	527,552
8986	$C_{10}H_8$	Naphthalene	218.0	216.7	11	552
8987	$C_{10}H_{10}O_2$	Safrol	235.9	232.5	17	527
8988	$C_{10}H_{12}O$	Anethole	235.7	232.0	22	552
8989	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	230.0	7	552
8990	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		552
8991	$C_{10}H_{14}O$	Carvacrol	237.85	Nonazeotrope		552
8992	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	237.0	36	552
8993	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	234.55	29	527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_5H_8O_3$**	**Levulinic Acid** *(continued)*	**252**			
8994	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	238.6	25	552
8995	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	Nonazeotrope		552
8996	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	214.0	11	552
8997	$C_{12}H_{22}O$	Bornyl ethyl ether	204.9	Nonazeotrope		552
A =	**$C_5H_8O_3$**	**Methyl Acetoacetate**	**169.5**			
8998	$C_5H_{10}O_2$	Valeric acid	186.35	Nonazeotrope		552
8999	$C_6H_4Cl_2$	*o*-Dichlorobenzene	179.5	Nonazeotrope		575
9000	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.4	167.2	33	552
9001	C_6H_5Br	Bromobenzene	156.15	154.7	~ 10	563
9002	C_6H_5I	Iodobenzene	188.45	Nonazeotrope		575
9003	C_6H_6O	Phenol	181.5	Reacts		563
9004	$C_6H_{10}O$	Cyclohexanone	155.7	Nonazeotrope		552
9005	$C_6H_{10}O_4$	Ethyl oxalate	185.65	Nonazeotrope		575
9006	$C_6H_{12}O$	Cyclohexanol	160.65	Azeotrope doubtful		563
9007	C_7H_6O	Benzaldehyde	179.2	Reacts		563
9008	C_7H_7Cl	α-Chlorotoluene	179.35	~ 167.5	<80	563
9009	C_7H_7Cl	*o*-Chlorotoluene	159.2	< 158.2	>16	552
9010	C_7H_7Cl	*p*-Chlorotoluene	162.4	160.0	26	552
9011	C_7H_8O	Anisole	153.85	Nonazeotrope		552
9012	C_8H_8	Styrene	145.8	< 145.0	27	552
9013	C_8H_9Cl	*o,m,p*-Chloroethyl-benzene, 10 mm.	67.5	60.0	52	51
9014	C_8H_{10}	*m*-Xylene	139.2	Nonazeotrope		552
9015	$C_8H_{10}O$	Benzyl methyl ether	167.8	< 160.0	>47	552
9016	$C_8H_{10}O$	Phenetole	170.45	< 163.5	>55	552
9017	$C_8H_{14}O$	Methylheptenone	173.2	167.7		552
9018	$C_8H_{16}O$	2-Octanone	172.85	168.5		552
9019	$C_8H_{16}O_2$	Ethyl caproate	167.7	164.0	55	552
9020	$C_8H_{16}O_2$	Isoamyl propionate	160.7	< 159.5	>20	552
9021	$C_8H_{16}O_2$	Isobutyl butyrate	156.9	< 156.5	> 5	575
9022	$C_8H_{16}O_2$	Isobutyl isobutyrate	148.6	Nonazeotrope		552
9023	$C_8H_{18}O$	Butyl ether	142.4	Nonazeotrope		552
9024	$C_8H_{18}S$	Isobutyl sulfide	172.0	166.0	58	566
9025	C_9H_{12}	Mesitylene	164.6	159.5	43	552
9026	C_9H_{12}	Pseudocumene	169	~ 165		563
9027	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	< 166.8		552
9028	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	< 168.5	>75	552
9029	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	165.0	60	552
9030	$C_{10}H_{14}$	Cymene	176.7	165.0	56	552
9031	$C_{10}H_{16}$	Camphene	159.6	152.8	40	552
9032	$C_{10}H_{16}$	Dipentene	177.7	162.3	61	552
9033	$C_{10}H_{16}$	*d*-Limonene	177.8	162.7	61	563
9034	$C_{10}H_{16}$	α-Phellandrene	171.5	~ 160		563
9035	$C_{10}H_{16}$	α-Pinene	155.8	150.0	36	552
9036	$C_{10}H_{16}$	Terpinene	180.5	< 165		563
9037	$C_{10}H_{18}$	Menthene	170.8	160	52	563

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_5H_8O_3$**	**Methyl Acetoacetate** *(continued)*	**169.5**			
9038	$C_{10}H_{18}O$	Cineol	176.35	< 164.5	80	552
9039	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope		552
9040	$C_{10}H_{22}O$	Amyl ether	187.5	Nonazeotrope		552
9041	$C_{10}H_{22}O$	Isoamyl ether	173.2	160.5	60	552
A =	**$C_5H_8O_4$**	**Methyl Malonate**	**181.4**			
9042	$C_5H_{10}O_2$	Isovaleric acid	176.5	< 180.5	<45	527
9043	$C_5H_{10}O_2$	Valeric acid	186.35	< 180.5	<85	527
9044	$C_6H_4Cl_2$	*o*-Dichlorobenzene	179.5	173.0	46	562
9045	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.4	171.0	30	570
9046	C_6H_5Br	Bromobenzene	156.1	Min. b.p.		547
9047	C_6H_5I	Iodobenzene	188.55	178.0	30	547
9048	C_6H_6O	Phenol	181.5	Reacts		563
9049	C_6H_7N	Aniline	184.35	Reacts		563
9050	$C_6H_{10}O_4$	Ethylidene diacetate	168.5	Nonazeotrope		527
9051	$C_6H_{10}O_4$	Ethyl oxalate	185.65	Nonazeotrope		527
9052	$C_6H_{10}O_4$	Glycol diacetate	186.3	Nonazeotrope		549
9053	$C_6H_{11}BrO_2$	Ethyl α-bromoisobutyrate	178	< 176.5	<40	563
9054	$C_6H_{12}O_2$	Isocaproic acid	199.5	Nonazeotrope		575
9055	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope		575
9056	$C_6H_{13}Br$	1-Bromohexane	156.5	Nonazeotrope		575
9057	C_7H_7Br	α-Bromotoluene	198.5	Nonazeotrope		575
9058	C_7H_7Br	*m*-Bromotoluene	184.3	176.0	62	527
9059	C_7H_7Br	*o*-Bromotoluene	181.4	174.45	44.5	529
9060	C_7H_7Br	*p*-Bromotoluene	185.0	176.5	55	538
9061	C_7H_7Cl	α-Chlorotoluene	179.35	~ 178		563
9062	C_7H_7Cl	*o*-Chlorotoluene	159.15	Nonazeotrope		547
9063	C_7H_7Cl	*p*-Chlorotoluene	162.4	Nonazeotrope		547
9064	C_7H_8O	Anisole	153.85	Nonazeotrope		557
9065	C_7H_8O	*o*-Cresol	190.8	Reacts		563
9066	C_7H_8O	*p*-Cresol	201.7	Nonazeotrope		575
9067	C_8H_8	Styrene	145.8	Nonazeotrope		575
9068	C_8H_8O	Acetophenone	202.0	201.0	39	552
9069	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope		557
9070	$C_8H_{10}O$	*p*-Methylanisole	177.05	< 174.8	40?	557
9071	$C_8H_{10}O$	Phenetole	171.5	169.9	23	557
9072	$C_8H_{10}O_2$	Veratrole	206.8	Nonazeotrope		557
9083	$C_8H_{14}O$	Methylheptenone	173.2	Nonazeotrope		552
9074	$C_8H_{16}O_2$	Hexyl acetate	171.5	< 170.8	>12	575
9075	$C_8H_{18}O$	Octyl alcohol	195.15	Reacts		536
9076	$C_8H_{18}O$	*sec*-Octyl alcohol	178.5	Chem. action		563
9077	$C_8H_{18}S$	Butyl sulfide	185.0	176.2	50	566
9078	C_9H_8	Indene	182.6	< 176.2	50?	562
9079	C_9H_{12}	Mesitylene	164.6	162	>10	546
9080	C_9H_{12}	Propylbenzene	158.9	< 159		546
9081	C_9H_{12}	Pseudocumene	168.2	< 165.5	>20	546
9082	$C_9H_{12}O$	Benzyl ethyl ether	185.0	178.0	37	1051
9083	$C_9H_{18}O_2$	Butyl isovalerate	177.6	175.0	30	449

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_5H_8O_4$**	**Methyl Malonate** *(continued)*	**181.4**			
9084	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	< 177.2	>39	449
9085	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	< 170.5	>17	449
9086	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		575
9087	$C_{10}H_{14}$	Butylbenzene	183.2	173	52	546
9088	$C_{10}H_{14}$	Cymene	176.7	169.0	40	546
9089	$C_{10}H_{16}$	Camphene	159.6	154.6	26	529
9090	$C_{10}H_{16}$	***d*-Limonene**	**177.8**	167.3	48	529
9091	$C_{10}H_{16}$	Nopinene	**164**	158	28	546
9092	$C_{10}H_{16}$	α-Pinene	155.8	151.5	~ 22	529
9093	$C_{10}H_{16}$	α-Terpinene	173.3	167	<45	546
9094	$C_{10}H_{16}$	Terpinene	181.5	164.5	51	538
9095	$C_{10}H_{16}$	Terpinolene	185.2	171.0	<62	546
9096	$C_{10}H_{16}$	Thymene	179.7	~ 169.0	50	537
9097	$C_{10}H_{18}$	Menthene	170.8	164	37	546
9098	$C_{10}H_{18}O$	Cineol	176.35	169.1	40.5	557
9099	$C_{10}H_{18}O$	Linalool	198.6	Reacts		536
9100	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	< 180.8	>75	549
9101	$C_{10}H_{22}$	2,7-Dimethyloctane	160.2	< 157	<30	546
9102	$C_{10}H_{22}O$	Amyl ether	187.5	< 175.0	<62	557
9103	$C_{10}H_{22}O$	Isoamyl ether	173.4	165.5	35	557
9104	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	< 177.5	<90	557
9105	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		575
A =	**$C_5H_8O_4$**	**Propylene Glycol Diformate**				
9106	C_nH_m	Hydrocarbons		Min. b.pt.		644
A =	**$C_5H_9ClO_2$**	**Propyl Chloroacetate**	**163.5**			
9107	$C_5H_{10}O_2$	Isovaleric acid	176.5	Nonazeotrope		575
9108	$C_5H_{12}O$	Isoamyl alcohol	131.9	Nonazeotrope		575
9109	$C_6H_{12}O$	Cyclohexanol	160.8	159.0	47	575
9110	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope		575
9111	$C_6H_{14}O$	Hexyl alcohol	157.85	156.4	40	575
9112	C_7H_7Cl	***o*-Chlorotoluene**	**159.2**	< 158.5	<35	575
9113	C_7H_7Cl	***p*-Chlorotoluene**	**162.4**	160.2	49	562
9114	C_7H_8O	Anisole	153.85	Nonazeotrope		575
9115	$C_7H_{16}O$	Heptyl alcohol	176.15	Nonazeotrope		575
9116	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope		575
9117	$C_8H_{16}O$	2-Octanone	172.85	Nonazeotrope		575
9118	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope		575
9119	$C_8H_{16}O_2$	Isoamyl propionate	160.7	< 160.5	>20	575
9120	$C_8H_{16}O_2$	Isobutyl butyrate	156.9	Nonazeotrope		575
9121	$C_8H_{18}O$	***sec*-Octyl alcohol**	**180.4**	Nonazeotrope		575
9122	C_9H_{12}	Mesitylene	164.6	< 161.0	<72	575
9123	C_9H_{12}	Propylbenzene	159.3	157.0	40	562
9124	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	Nonazeotrope		575
9125	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		575
9126	$C_{10}H_{16}$	Camphene	159.6	156.2	42	562
9127	$C_{10}H_{16}$	α-Pinene	155.8	154.0	25	562
9128	$C_{10}H_{22}O$	Isoamyl ether	173.2	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_5H_9N**	**Isovaleronitrile**	**130.5**				
9129	$C_6H_{14}O$	Propyl ether	90.1	Nonazeotrope			575
9130	C_8H_{10}	Ethylbenzene	136.15	126.3	60		562
9131	$C_8H_{18}O$	Isobutyl ether	122.3	115.5	24		562
A =	**C_5H_9N**	**Valeronitrile**	**141.3**				
9132	$C_5H_{12}O$	Amyl alcohol	138.2	< 136.5	<42		565
9133	$C_5H_{12}O$	2-Pentanol	119.8	Nonazeotrope			565
9134	$C_6H_{12}O_2$	Butyl acetate	126.0	Nonazeotrope			565
9135	$C_6H_{12}O_2$	Ethyl butyrate	121.5	Nonazeotrope			565
9136	$C_6H_{12}O_2$	Isobutyl acetate	117.4	Nonazeotrope			565
9137	$C_6H_{14}O$	Propyl ether	90.1	Nonazeotrope			575
9138	$C_6H_{14}S$	Propyl sulfide	141.5	< 137.5			565
9139	C_7H_8	Toluene	110.75	Nonazeotrope			565
9140	$C_7H_{14}O_2$	Isobutyl propionate	137.5	136.0	27		565
9141	C_8H_{10}	*m*-Xylene	139.2	< 136.5			565
9142	$C_8H_{18}O$	Butyl ether	142.4	< 130.5	>42		562
9143	$C_8H_{18}O$	Isobutyl ether	122.3	119.0	10		575
9144	C_9H_{12}	Propylbenzene	159.3	Nonazeotrope			565
A =	**C_5H_{10}**	**Amylene**	**37**				
9145	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope			554
9146	C_6H_7N	Aniline	184.35	Nonazeotrope			563
A =	**C_5H_{10}**	**Cyclopentane**	**49.4**				
9147	C_5H_{10}	2-Methyl-2-butene	37.1	Nonazeotrope			561
9148	C_5H_{12}	Pentane	36.15	Nonazeotrope			561
9149	$C_5H_{12}O$	Ethyl propyl ether	63.85	Nonazeotrope			558
9150	C_6H_6	Benzene	80.1	Nonazeotrope		v-l	676
9151	C_6H_{10}	Biallyl	60.1	Nonazeotrope			561
9152	C_6H_{14}	2,2-Dimethylbutane	49.7	Nonazeotrope			788
		"	49.7	49.1	82.3		630
9153	C_6H_{14}	2,3-Dimethylbutane	58.0	Nonazeotrope			561
A =	**C_5H_{10}**	**2-Methyl-1-butene**	**31.1**				
9154	$C_6F_{15}N$	Perfluorotriethylamine		28.8	50.7		717
A =	**C_5H_{10}**	**2-Methyl-2-butene**	**37.15**				
9155	C_5H_{12}	2-Methylbutane	27.95	27.7?			563
9156	C_5H_{12}	Pentane	36.15	35.5	~ 43		563
		"	36.15	Nonazeotrope			714
9157	$C_6F_{15}N$	Perfluorotriethylamine		34.5	45.8		717
A =	**C_5H_{10}**	**3-Methyl-1-butene**	**22.5**				
9158	C_5H_{12}	2-Methylbutane	27.95	< 20.4	>86		561
		"	27.6	Nonazeotrope			714
A =	**$C_5H_{10}O$**	**Cyclopentanol**	**140.85**				
9159	$C_5H_{10}O_3$	Ethyl carbonate	126.5	125			567
9160	$C_5H_{10}O_3$	Ethyl lactate	154.1	Nonazeotrope			575
9161	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	139.0	75		575
9162	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	< 120.2	> 5		575
9163	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	Nonazeotrope			526
9164	C_6H_5Cl	Chlorobenzene	131.75	< 128.5	>20		567

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_5H_{10}O$**	**Cyclopentanol *(continued)***	**140.85**			
9165	C_6H_6	Benzene	80.15	Nonazeotrope		575
9166	C_6H_6O	Phenol	182.2	Nonazeotrope		575
9167	C_6H_7N	Aniline	184.35	Nonazeotrope		551
9168	C_6H_7N	2-Picoline	130.7	Nonazeotrope		575
9169	$C_6H_{10}O$	Mesityl oxide	129.45	Nonazeotrope		552
9170	$C_6H_{10}S$	Allyl sulfide	139.35	< 135.5	>33	566
9171	$C_6H_{11}N$	Capronitrile	163.9	Nonazeotrope		575
9172	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope		575
9173	$C_6H_{12}O_2$	Butyl acetate	126.0	Nonazeotrope		575
9174	$C_6H_{12}O_2$	Isoamyl formate	123.8	Nonazeotrope		575
9175	$C_6H_{12}O_3$	Paraldehyde	124.35	Nonazeotrope		575
9176	C_7H_8	Toluene	110.75	Nonazeotrope		575
9177	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	< 134.5	~ 15	575
9178	$C_7H_{14}O_2$	Isoamyl acetate	142.1	< 139.4	>48	567
9179	$C_7H_{14}O_2$	Isobutyl propionate	137.5	136.5	28	567
9180	C_8H_{10}	*m*-Xylene	139.2	132.8	40	567
9181	C_8H_{10}	*p*-Xylene	138.45	132.2	38	575
9182	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	119.0	15	567
9183	$C_8H_{18}O$	Butyl ether	142.4	< 136.7	>39	527
9184	$C_8H_{18}O$	Isobutyl ether	122.3	< 122.0	> 3	575
A =	**$C_5H_{10}O$**	**Isovaleraldehyde**	**92.1**			
9185	$C_5H_{10}O$	3-Pentanone	102.05	Nonazeotrope		552
9186	$C_5H_{10}O_2$	Methyl isobutyrate	92.5	< 92.2	>30	548
9187	C_6H_6	Benzene	80.15	Nonazeotrope		575
9188	C_6H_{14}	Hexane	68.8	Nonazeotrope		575
A =	**$C_5H_{10}O$**	**3-Methyl-2-butanone**	**95.4**			
9189	$C_5H_{10}O_2$	Ethyl propionate	99.1	Nonazeotrope		552
9190	$C_5H_{10}O_2$	Isopropyl acetate	90.8	Nonazeotrope		548
9191	$C_5H_{10}O_2$	Methyl isobutyrate	92.5	Nonazeotrope		552
9192	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.4	95.0	65	552
9193	$C_5H_{11}NO_2$	Isoamyl nitrite	97.15	94.0	50	552
9194	$C_5H_{12}O_2$	Diethoxymethane	87.95	Nonazeotrope		575
9195	C_6H_6	Benzene	80.15	Nonazeotrope		552
9196	C_6H_{12}	Cyclohexane	80.75	78.5	15	552
		"	80.75		14.8	735
9197	$C_6H_{15}N$	Triethylamine	89.35	< 88.0		575
9198	C_7H_{16}	Heptane	98.4	89.5	48	552
		"	98.4		48	735
A =	**$C_5H_{10}O$**	**2-Methyl-3-buten-2-ol**	**97**			
9198a	$C_5H_{12}O$	*tert*-Butyl methyl ether	55	Nonazeotrope		581c
9198b	$C_6H_{10}O$	Methyldihydropyran	118.5	Nonazeotrope		581c
9198c	$C_6H_{12}O_2$	4,4-Dimethyl-1,3-dioxane	133.4	Nonazeotrope		581c
9198d	C_6H_{14}	Hexane	68.8	67.2	9.3	581c
9198e	$C_6H_{14}O$	Isopropyl ether	69	Nonazeotrope		581c
A =	**$C_5H_{10}O$**	**3-Methyl-2-buten-1-ol**	**140**			
9198f	$C_6H_{12}O_2$	4,4-Dimethyl-1,3-dioxane	133.4	Nonazeotrope		581c

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_5H_{10}O$**	**3-Methyl-3-buten-1-ol**	**130**			
9198g	$C_6H_{12}O_2$	4,4-Dimethyl-1,3-dioxane	133.4	129.5	76	581c
A =	**$C_5H_{10}O$**	**2-Pentanone**	**102.25**			
9199	$C_5H_{10}O$	3-Pentanone	102.2	Nonazeotrope		563
9200	$C_5H_{10}O_2$	Butyl formate	106.8	Nonazeotrope		552
9201	$C_5H_{10}O_2$	Ethyl propionate	99.1	Nonazeotrope		552
9202	$C_5H_{10}O_2$	Isobutyl formate	98.2	Nonazeotrope		552
9203	$C_5H_{10}O_2$	Methyl butyrate	102.65	101.9	50	552
9204	$C_5H_{10}O_2$	Methyl isobutyrate	92.5	Nonazeotrope		552
9205	$C_5H_{10}O_2$	Propyl acetate	101.6	100.8	35	552
9206	$C_5H_{11}NO_2$	Isoamyl nitrite	97.15	96.5	20	552
9207	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	100.9	58	552
9208	C_6H_6	Benzene	80.15	Nonazeotrope		575
9209	C_6H_{12}	Cyclohexane	80.75	79.8	5	552,735
9210	C_6H_{14}	Hexane	68.8	Nonazeotrope		575
9211	C_7H_8	Toluene	110.7	Nonazeotrope		563
9212	C_7H_{14}	Methylcyclohexane	101.15	95.2	40	552
9213	C_7H_{16}	Heptane	98.4	93.2	34	552
A =	**$C_5H_{10}O$**	**3-Pentanone**	**102.05**			
9214	$C_5H_{10}O_2$	Butyl formate	106.8	Nonazeotrope		552
9215	$C_5H_{10}O_2$	Ethyl propionate	99.1	Nonazeotrope		552
9216	$C_5H_{10}O_2$	Isobutyl formate	98.2	Nonazeotrope		552
9217	$C_5H_{10}O_2$	Methyl butyrate	102.65	101.45	55	552
9218	$C_5H_{10}O_2$	Methyl isobutyrate	92.5	Nonazeotrope		552
9219	$C_5H_{10}O_2$	Propyl acetate	101.6	100.75	40	552
9220	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.4	98.5	25	552
9221	$C_5H_{11}N$	Piperidine	106.4	Nonazeotrope		575
9222	$C_5H_{11}NO_2$	Isoamyl nitrite	97.15	96.45	21	552
9223	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	100.7	60	552
9224	$C_5H_{12}O$	Isoamyl alcohol	131.9	Nonazeotrope		527
9225	$C_5H_{12}O$	2-Pentanol	119.8	Nonazeotrope		552
9226	$C_5H_{12}O$	3-Pentanol	116.0	Nonazeotrope		552
9227	C_6H_6	Benzene	80.15	Nonazeotrope		552
9228	C_6H_{12}	Cyclohexane	80.8	Nonazeotrope		548
9229	C_6H_{12}	Methylcyclopentane	72.0	Nonazeotrope		552
9230	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	Nonazeotrope		552
9231	C_6H_{14}	Hexane	68.8	Nonazeotrope		552
9232	$C_6H_{14}O$	Propyl ether	90.1	Nonazeotrope		552
9233	$C_6H_{14}O_2$	Acetal	103.55	< 101.8	>75	552
9234	$C_6H_{14}S$	Isopropyl sulfide	120.5	Nonazeotrope		566
9235	$C_6H_{15}N$	Dipropylamine	109.2	< 101.0	>82	551
9236	C_7H_8	Toluene	110.75	Nonazeotrope		552
9237	C_7H_{14}	Methylcyclohexane	101.15	95.0	40	552,735
9238	C_7H_{16}	Heptane	98.45	93.0	35	527,735
9239	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	100.5	83	552,735
9240	C_8H_{18}	2,5-Dimethylhexane	109.4	97.5	60	552,735
A =	**$C_5H_{10}O_2$**	**Butyl Formate**	**106.8**			
9241	$C_5H_{10}O_2$	Methyl butyrate	102.65	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_5H_{10}O_2$**	**Butyl Formate *(continued)***	**106.8**			
9242	$C_5H_{10}O_2$	Propyl acetate	101.6	Nonazeotrope		575
9243	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	Nonazeotrope		575
9244	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	101.0	35	567
9245	$C_5H_{12}O$	Isoamyl alcohol	131.9	Nonazeotrope		527
9246	$C_5H_{12}O$	2-Pentanol	119.8	Nonazeotrope		575
9247	$C_5H_{12}O$	3-Pentanol	116.0	< 106.5	<98.5	575
9248	C_6H_6	Benzene	80.15	Nonazeotrope		575
9249	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope		575
9250	$C_6H_{12}O$	Pinacolone	106.2	106.0	38	552
9251	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	Nonazeotrope		575
9252	$C_6H_{14}O$	Propyl ether	90.1	Nonazeotrope		557
9253	$C_6H_{14}O_2$	Acetal	103.55	Nonazeotrope		557
9254	C_7H_8	Toluene	110.75	< 106.4	>70	575
9255	C_7H_{14}	Methylcyclohexane	101.15	96.0	35	562
9256	C_7H_{16}	Heptane	98.45	90.7	40	538
9257	$C_8H_{18}O$	Isobutyl ether	122.3	Nonazeotrope		557
A =	**$C_5H_{10}O_2$**	**Ethyl Propionate**	**99.15**			
9258	$C_5H_{10}O_2$	Isobutyl formate	97.9	Nonazeotrope		531
9259	$C_5H_{10}O_2$	Methyl butyrate	102.65	Nonazeotrope		575
9260	$C_5H_{10}O_2$	Propyl acetate	101.55	Nonazeotrope		563
9261	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.8	98.4	55	538
9262	$C_5H_{12}O$	*tert*-Amyl alcohol	102.0	98	62	536
9263	$C_5H_{12}O$	3-Pentanol	116.0	Nonazeotrope		575
9264	C_6H_6	Benzene	80.15	Nonazeotrope		575
9265	C_6H_{12}	Cyclohexane	80.8	Nonazeotrope		546
9266	$C_6H_{12}O$	Pinacolone	106.2	Nonazeotrope		552
9267	C_6H_{14}	Hexane	69.0	Nonazeotrope		546
9268	$C_6H_{14}O$	Propyl ether	90.1	Nonazeotrope		557
9269	$C_6H_{14}O_2$	Acetal	103.55	Nonazeotrope		557
9270	$C_6H_{14}O_2$	Ethoxypropoxymethane	113.7	Nonazeotrope		557
9271	C_7H_8	Toluene	110.7	Nonazeotrope		546
9272	C_7H_{14}	Methylcyclohexane	101.1	94.5	~ 53	573
9273	C_7H_{16}	*n*-Heptane	98.45	93.0	47	527
9274	C_8H_{18}	2,5-Dimethylhexane	109.4	< 97.5	<78	562
A =	**$C_5H_{10}O_2$**	**Isobutyl Formate**	**98.2**			
9275	$C_5H_{10}O_2$	Methyl isobutyrate	92.5	Nonazeotrope		575
9276	$C_5H_{10}O_2$	Propyl acetate	101.6	Nonazeotrope		575
9277	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.8	94.5	50	538
9278	$C_5H_{11}NO_2$	Isoamyl nitrite	97.15	95.5	43	549
9279	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	< 97.0	<81	567
9280	$C_5H_{12}O_2$	Diethoxymethane	87.95	Nonazeotrope		557
9281	C_6H_6	Benzene	80.2	Nonazeotrope		573
9282	C_6H_{12}	Cyclohexane	80.8	80	<20	546
9283	$C_6H_{12}O$	Pinacolone	106.2	Nonazeotrope		552
9284	C_6H_{14}	Hexane	69.0	68.5	12	546
9285	$C_6H_{14}O_2$	Acetal	103.55	Nonazeotrope		557

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_5H_{10}O_2$**	**Isobutyl Formate *(continued)***	**98.2**			
9286	C_7H_8	Toluene	110.7	Azeotrope doubtful		563
9287	C_7H_{14}	Methylcyclohexane	100.95	92.4	~ 57	572
9288	C_7H_{16}	*n*-Heptane	98.45	< 90.5	<50	527
9289	C_8H_{18}	2,5-Dimethylhexane	109.4	93.5	63	562
A =	**$C_5H_{10}O_2$**	**Isopropyl Acetate**	**91.0**			
9290	$C_5H_{10}O_2$	Methyl isobutyrate	92.3	Nonazeotrope		531
9291	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.8	Nonazeotrope		547
9292	$C_5H_{11}NO_2$	Isoamyl nitrite	97.15	Nonazeotrope		549
9293	$C_5H_{12}O_2$	Diethoxymethane	87.95	< 87.6	<42	575
9294	C_6H_6	Benzene	80.2	Nonazeotrope		538
9295	C_6H_8O	2,5-Dimethylfuran	93.3	Nonazeotrope		981
9296	C_6H_{12}	Cyclohexane	80.75	78.9	25	538
9297	C_6H_{14}	Hexane	68.8	< 68.5	< 9	575
		"	69.0	Nonazeotrope		546
9298	$C_6H_{14}O$	Propyl ether	90.55	88.5	50	557
9299	$C_6H_{14}O_2$	Acetal	103.55	Nonazeotrope		548
9300	C_7H_8	Toluene	110.75	Nonazeotrope		575
9301	C_7H_{14}	Methylcyclohexane	101.1	89	78	546
9302	C_7H_{16}	Heptane	98.45	87.5	67	538
9303	C_8H_{18}	2,5-Dimethylhexane	109.4	< 89.0	<95	575
A =	**$C_5H_{10}O_2$**	**Isovaleric Acid**	**176.5**			
9304	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	Nonazeotrope		527
9305	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	147.0	3	562
9306	$C_6H_3Cl_3$	1,3,5-Trichlorobenzene	208.4	Nonazeotrope		542
9307	C_6H_4BrCl	*p*-Bromochlorobenzene	196.4	175.5	75	562
9308	$C_6H_4Cl_2$	*o*-Dichlorobenzene	179.5	171.2	42	527
9309	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.5	168.85	28	527
9310	C_6H_5Br	Bromobenzene	156.15	154.75	8	527
9311	C_6H_5Cl	Chlorobenzene	131.75	Nonazeotrope		527
9312	C_6H_5ClO	*o*-Chlorophenol	175.5	172		563
9313	C_6H_5I	Iodobenzene	188.55	174.0	~ 55	538
9314	C_6H_6O	Phenol	181.5	Nonazeotrope		527
9315	$C_6H_8O_4$	Methyl fumarate	193.25	Nonazeotrope		527
9316	$C_6H_{10}O$	Cyclohexanone	155.7	Nonazeotrope		527
9317	$C_6H_{10}O_3$	Ethyl acetoacetate	180.4	176.1	77	527
9318	$C_6H_{10}O_4$	Ethylidene diacetate	168.5	Nonazeotrope		527
9319	$C_6H_{10}O_4$	Ethyl oxalate	185.65	176.3	84	570
9320	$C_6H_{10}O_4$	Glycol diacetate	186.3	Nonazeotrope		527
9321	$C_6H_{10}S$	Allyl sulfide	139.35	Nonazeotrope		566
9322	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope		527
9323	$C_6H_{13}Br$	1-Bromohexane	156.5	155.0	10	562
9324	$C_6H_{14}S$	Propyl sulfide	141.5	Nonazeotrope		575
9325	$C_7H_6Cl_2$	α,α-Dichlorotoluene	205.2	Nonazeotrope		527
9326	C_7H_6O	Benzaldehyde	179.2	174.5	~ 68	541
9327	C_7H_7Br	α-Bromotoluene	198.5	175.2	72	562
		"	198.5	Nonazeotrope		563
9328	C_7H_7Br	*m*-Bromotoluene	184.3	172.5	45	527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_5H_{10}O_2$**	**Isovaleric Acid *(continued)***	**176.5**			
9329	C_7H_7Br	*o*-Bromotoluene	181.75	172.1	39.5	527
9330	C_7H_7Br	*p*-Bromotoluene	185.2	173.0	48	555
9331	C_7H_7Cl	α-Chlorotoluene	179.35	171.2	38	527
9332	C_7H_7Cl	o-Chlorotoluene	159	157.5	12	527
9333	C_7H_7Cl	*p*-Chlorotoluene	161.3	160.0	15	527
9334	C_7H_8	Toluene	110.95	Nonazeotrope		527
9335	C_7H_8O	Anisole	153.85	Nonazeotrope		527
9336	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope		575
9337	$C_7H_{13}ClO_2$	Isoamyl chloroacetate	190.5	Nonazeotrope		575
9338	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	178.0	66	527
9339	C_8H_8	Styrene	145.8	145.2	8	575
9340	$C_8H_8O_2$	Phenyl acetate	195.5	Nonazeotrope		563
9341	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope		527
9342	C_8H_{10}	*m*-Xylene	139.0	Nonazeotrope		527
9343	C_8H_{10}	*o*-Xylene	144.3	143.8	5	527
9344	C_8H_{10}	*p*-Xylene	138	Nonazeotrope		527
9346	$C_8H_{10}O$	Benzyl methyl ether	167.8	< 167.0	<22	575
9345	$C_8H_{10}O$	*p*-Methylanisole	177.05	172.0	45	562
9347	$C_8H_{10}O$	Phenetole	171.5	168.5	23	527
9348	$C_8H_{14}O$	Methylheptenone	173.2	Nonazeotrope		552
9349	$C_8H_{16}O$	2-Octanone	172.85	**Nonazeotrope**		527
9350	$C_8H_{16}O_2$	Isobutyl butyrate	157	Nonazeotrope		563
9351	$C_8H_{16}O_2$	Hexyl acetate	171.5	Nonazeotrope		575
9352	C_8H_{18}	Octane	125.75	Nonazeotrope		527
9353	$C_8H_{18}O$	Butyl ether	142.4	Nonazeotrope		527
9354	$C_8H_{18}S$	Butyl sulfide	185	175	73	555
9355	C_9H_8	Indene	183.0	173.0	60	527
9356	C_9H_{12}	Cumene	152.8	152.0	12	527
9357	C_9H_{12}	Mesitylene	164.6	162.5	19	527
9358	C_9H_{12}	Propylbenzene	159.3	157.5	14	562
9359	C_9H_{12}	Pseudocumene	168.2	165.7	23	541
9360	$C_9H_{12}O$	Phenyl propyl ether	190.2	Nonazeotrope		541
9361	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	Nonazeotrope		527
9362	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	Nonazeotrope		575
		"	178.5	176.1	70	538
9363	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	Nonazeotrope		527
9364	$C_{10}H_8$	Naphthalene	218.05	Nonazeotrope		527
9365	$C_{10}H_{14}$	Butylbenzene	183.1	173.0	50	527
9366	$C_{10}H_{14}$	Cymene	175.3	170.8	38	527
9367	$C_{10}H_{16}$	Camphene	159.6	156.5	17	527
9368	$C_{10}H_{16}$	*d*-Limonene	177.8	168.9	41	563
9369	$C_{10}H_{16}$	Nopinene	163.8	160.5	22	527
9370	$C_{10}H_{16}$	α-Phellandrene	171.5	165	~ 35	563
9371	$C_{10}H_{16}$	α-Pinene	155.8	154.2	11	527
9372	$C_{10}H_{16}$	α-Terpinene	173.4	168.0	32	562

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_5H_{10}O_2$**	**Isovaleric Acid *(continued)***	**176.5**			
9373	$C_{10}H_{16}$	γ-Terpinene	183	172.5	47	562
9374	$C_{10}H_{16}$	Terpinene	180.5	170	~ 43	563
9375	$C_{10}H_{16}$	Terpinolene	184.6	171.5	52	562
9376	$C_{10}H_{16}$	Thymene	179.7	170.5	44	541
9377	$C_{10}H_{18}O$	Cineol	176.3	175.0	42.5	527
9378	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope		527
9379	$C_{10}H_{22}$	Decane	173.3	167.0	33	562
9380	$C_{10}H_{22}$	2,7-Dimethyloctane	160.25	158.0	20	527
9381	$C_{10}H_{22}O$	Amyl ether	187.5	< 175.0	<70	527
9382	$C_{10}H_{22}O$	Isoamyl ether	173.4	168.85	27	564
9383	$C_{11}H_{20}O_2$	Isobornyl methyl ether	192.4	Nonazeotrope		575
9384	$C_{12}H_{18}$	Triethylbenzene	215.5	Nonazeotrope		527
9385	$C_{13}H_{28}$	Tridecane	234.0	Nonazeotrope		575
A =	**$C_5H_{10}O_2$**	**Methyl Butyrate**	**102.65**			
9386	$C_5H_{10}O_2$	Propyl acetate	101.60	Nonazeotrope		549
9387	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.4	Nonazeotrope		575
9388	$C_5H_{12}O$	*tert*-Amyl alcohol	102.0	~ 99	~ 57	563
9389	$C_5H_{12}O$	3-Pentanol	116.0	Nonazeotrope		575
9390	C_6H_6	Benzene	80.15	Nonazeotrope		575
9391	$C_6H_{12}O$	Pinacolone	106.2	Nonazeotrope		552
9392	$C_6H_{14}O$	Propyl ether	90.1	Nonazeotrope		557
9393	$C_6H_{14}O_2$	Acetal	103.55	102	~ 55	557
9394	C_7H_8	Toluene	110.7	Nonazeotrope		563
9395	C_7H_{14}	Methylcyclohexane	101.1	97.0	45	546
9396	C_7H_{16}	*n*-Heptane	98.45	95.1	35	527
9397	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	Nonazeotrope		575
9398	C_8H_{18}	2,5-Dimethylhexane	109.2	100.0	<75	546
9399	C_8H_{18}	*n*-Octane	125.8	Nonazeotrope		546
A =	**$C_5H_{10}O_2$**	**Methyl Isobutyrate**	**92.5**			
9400	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.8	Nonazeotrope		547
9401	$C_5H_{11}NO_2$	Isoamyl nitrite	97.15	Nonazeotrope		549
9402	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	Nonazeotrope		575
9403	$C_5H_{12}O_2$	Diethoxymethane	87.95	Nonazeotrope		527
9403	C_6H_6	Benzene	80.2	Nonazeotrope		573
9405	C_6H_{12}	Cyclohexane	80.75	~ 78.6	~ 12	573
9406	C_6H_{12}	Methylcyclopentane	72.0	Nonazeotrope		575
9407	C_6H_{14}	Hexane	69.0	Nonazeotrope		546
9408	$C_6H_{14}O$	Propyl ether	90.1	89.7	75	557
9409	$C_6H_{14}O_2$	Acetal	104.5	Nonazeotrope		557
9410	C_7H_8	Toluene	110.75	Nonazeotrope		575
9411	C_7H_{14}	Methylcyclohexane	101.1	91	75	546
9412	C_7H_{16}	*n*-Heptane	98.45	89.7	65	527
A =	**$C_5H_{10}O_2$**	**Propyl Acetate**	**101.6**			
9413	$C_5H_{11}Cl$	1-Chloro-3-methylbutane	99.8	98.5	40	547
9414	$C_5H_{11}NO_2$	Isoamyl nitrite	97.15	Nonazeotrope		550

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_5H_{10}O_2$**	**Propyl Acetate *(continued)***	**101.6**			
9415	$C_5H_{12}O$	*tert*-Amyl alcohol	102.0	99.5	58	536
9416	$C_5H_{12}O$	3-Pentanol	116.0	Nonazeotrope		575
9417	C_6H_6	Benzene	80.2	Nonazeotrope		537
9418	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope		537
9419	$C_6H_{12}O$	Pinacolone	106.2	Nonazeotrope		552
9420	C_6H_{14}	Hexane	69.0	Nonazeotrope		546
9421	$C_6H_{14}O$	Propyl ether	90.55	Nonazeotrope		557
9422	$C_6H_{14}O_2$	Acetal	103.55	101.25	68	557
9423	$C_6H_{14}O_2$	Ethoxypropoxymethane	113.7	Nonazeotrope		557
9424	$C_6H_{14}S$	Isopropyl sulfide	120.5	Nonazeotrope		566
9425	C_7H_8	Toluene	110.6	Nonazeotrope		572
9426	C_7H_{14}	Methylcyclohexane	101.15	95.45		571
9427	C_7H_{16}	*n*-Heptane	98.4	93.6		571
9428	C_8H_{18}	Octane	125.8	Nonazeotrope		546
A =	**$C_5H_{10}O_2$**	**Tetrahydrofurfuryl Alcohol**	**72.1/10 mm.**			
9429	C_8H_9Cl	*o,m,p*-Chloroethylbenzene, 10 mm.	67.5	63.0	29.5	51
A =	**$C_5H_{10}O_2$**	**Valeric Acid**	**186.35**			
9430	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	Nonazeotrope		527
9430a	$C_6H_{12}O_2$	3-Methyl-1,3-butanediol 3 mm.		Nonazeotrope		581c
9431	$C_6H_4Cl_2$	*o*-Dichlorobenzene	179.5	175.8	22	527
9432	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.6	171.8	14.7	564
9433	C_6H_5Br	Bromobenzene	156.1	155.65	3.5	564
9434	C_6H_5I	Iodobenzene	188.45	180.15	35	527
9435	C_6H_6O	Phenol	182.2	Nonazeotrope		527
9436	$C_6H_{10}O_3$	Ethyl acetoacetate	180.4	Nonazeotrope		552
9437	$C_6H_{10}O_4$	Ethyl oxalate	185.65	182.5	37	569,570
9438	$C_6H_{10}O_4$	Glycol diacetate	186.3	< 185.6	>38	527
9438a	$C_6H_{12}O_2$	4-Methyl-4-hydroxy-tetrahydropyran 3 mm.		Azeotropic		581c
9439	$C_6H_{13}Br$	1-Bromohexane	156.5	155.5	4.5	562
9440	$C_6H_{14}S$	Propyl sulfide	141.5	Nonazeotrope		566
9441	C_7H_6O	Benzaldehyde	189.2	178.5		527
9442	$C_7H_6O_2$	Salicylaldehyde	196.7	Nonazeotrope		575
9443	C_7H_7Br	α-Bromotoluene	198.5	183.0	53	562
9444	C_7H_7Br	*m*-Bromotoluene	184.3	178.55	25.5	527
9445	C_7H_7Br	*o*-Bromotoluene	181.5	176.8	23	527
9446	C_7H_7Br	*p*-Bromotoluene	185.0	179.2	32	562
9447	C_7H_7Cl	α-Chlorotoluene	179.3	175.0	25	527
9448	C_7H_7Cl	*o*-Chlorotoluene	159.2	158.5	5	527
9449	C_7H_7Cl	*p*-Chlorotoluene	162.4	161.2	6	527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_5H_{10}O_2$**	**Valeric Acid** *(continued)*	**186.35**				
9450	C_7H_7I	*p*-Iodotoluene	214.5	184.5	80		575
9451	C_7H_8O	Anisole	153.8	Nonazeotrope			527
9452	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope			527
9453	C_7H_8O	*p*-Cresol	201.7	Nonazeotrope			527
9454	$C_7H_{13}ClO_2$	Isoamyl chloroacetate	190.5	< 185.8			575
9455	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	Nonazeotrope			527
9456	$C_7H_{15}NO$	*N,N*-Dimethylvaleramide, 100 mm.	**141**	145.8	30.8		832
9456a	C_7H_{16}	Heptane 50°–100°C.		Nonazeotrope		v-l	591c
9457	C_8H_8O	Acetophenone	202.0	Nonazeotrope			552
9458	C_8H_{10}	***m*-Xylene**	**139.2**	Nonazeotrope			527
9459	C_8H_{10}	***o*-Xylene**	**144.3**	Nonazeotrope			575
9460	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope			527
9461	$C_8H_{10}O$	*p*-Methylanisole	177.05	< 176.0	<22		562
9462	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope			527
9463	$C_8H_{16}O$	2-Octanone	172.85	Nonazeotrope			552
9464	C_9H_8	Indene	182.6	178.5	30		562
9465	C_9H_{12}	Mesitylene	164.6	164.0	10		527
9466	C_9H_{12}	Propylbenzene	159.3	158.4	7		575
9467	$C_9H_{12}O$	Benzyl ethyl ether	185.0	180.5	40		562
9468	$C_9H_{12}O$	Phenyl propyl ether	190.5	184.3	58		562
9469	$C_9H_{14}O$	Phorone	197.8	Nonazeotrope			552
9470	$C_9H_{18}O_2$	Butyl isovalerate	177.6	Nonazeotrope			527
9471	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	Nonazeotrope			527
9472	$C_{10}H_8$	Naphthalene	218.0	186.0	96		575
9473	$C_{10}H_{14}$	Cymene	176.7	176.5	22		527
9474	$C_{10}H_{16}$	Camphene	159.6	158.5	8		527
9475	$C_{10}H_{16}$	Dipentene	177.7	173.4	27		527
9476	$C_{10}H_{16}$	Nopinene	163.8	162.2	10		527
9477	$C_{10}H_{16}$	α-Pinene	155.8	155.5	5?		575
9478	$C_{10}H_{16}$	α-Terpinene	173.4	171.0	20		562
9479	$C_{10}H_{16}$	γ-Terpinene	183	178.5	33		562
9480	$C_{10}H_{16}$	Terpinolene	184.6	178.0	35		562
9481	$C_{10}H_{18}O$	Cineol	176.35	176.3	3		527
9482	$C_{10}H_{18}O$	Citronellal	208.0	Nonazeotrope			575
9483	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope			527
9484	$C_{10}H_{22}O$	Amyl ether	187.5	181.5	45		527
9485	$C_{10}H_{22}O$	Isoamyl ether	173.2	171.8	12.5		556
A =	**$C_5H_{10}O_3$**	**Ethyl Carbonate**	**126.5**				
9486	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	Nonazeotrope			526
9487	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	< 119.8	<28		575
9488	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	Nonazeotrope			575
9489	$C_5H_{11}I$	2-Iodo-2-methylbutane	127.5	123.4	~ 50		563
9490	$C_5H_{12}O$	Amyl alcohol	138.2	< 125.5	<96		575
9491	$C_5H_{12}O$	Isoamyl alcohol	131.8	125.3	73.5		527

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_5H_{10}O_3$**	**Ethyl Carbonate** *(continued)*	**126.5**			
9492	C_6H_5Cl	Chlorobenzene	131.75	Nonazeotrope		575
9493	$C_6H_{10}O$	Mesityl oxide	129.4	126.45	6	527
9494	$C_6H_{10}S$	Allyl sulfide	139.35	126.0	90	566
9495	$C_6H_{12}O$	2-Hexanone	127.2	125.7	65	552
9496	$C_6H_{12}O$	3-Hexanone	123.3	Nonazeotrope		552
9497	$C_6H_{12}O_2$	Isoamyl formate	123.8	Nonazeotrope		549
9498	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope		575
9499	$C_6H_{12}O_3$	Paraldehyde	124	Nonazeotrope		557
9500	C_7H_8	Toluene	110.7	Nonazeotrope		563
9501	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	Nonazeotrope		575
9502	$C_7H_{14}O_2$	Propyl isobutyrate	134.0	Nonazeotrope		575
9503	$C_7H_{16}O_2$	Dipropoxymethane	137.2	Nonazeotrope		557
9504	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope		573
9505	C_8H_{10}	*m*-Xylene	139.0	Nonazeotrope		527
9506	C_8H_{10}	*p*-Xylene	138.45	Nonazeotrope		575
9507	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	< 115.0	<42	575
9508	$C_8H_{18}O$	Isobutyl ether	122.3	< 120.8	<65	557
A =	**$C_5H_{10}O_3$**	**Butylene Glycol Monoformate**				
9509	C_nH_m	Hydrocarbons		Min. b.p.		618
A =	**$C_5H_{10}O_3$**	**Ethyl Lactate**	**154.1**			
9510	$C_5H_{10}O_3$	2-Methoxyethyl acetate	144.6	Nonazeotrope		526
9511	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.6	~ 146.0	< 25	548
9512	$C_5H_{11}NO_3$	Isoamyl nitrate	149.75	146.7	33	562
9513	$C_5H_{12}O$	Isoamyl alcohol	131.9	Nonazeotrope		527
9514	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	151.33	5	526
9515	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.5	Nonazeotrope		538
9516	C_6H_5Br	Bromobenzene	156.1	149.7	53	572
9517	C_6H_5Cl	Chlorobenzene	132.0	Nonazeotrope		548
9518	C_6H_6O	Phenol	182.2	Nonazeotrope		542
9519	$C_6H_{10}O$	Cyclohexanone	155.7	153.7	66	552
9520	$C_6H_{12}O$	Cyclohexanol	160.7	153.75	~95	572
9521	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope		575
9522	$C_6H_{13}ClO_2$	Chloroacetal	157.4	~ 152.5	73	572
9523	$C_6H_{14}O$	Hexyl alcohol	157.95	153.6	82	541
9524	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	Nonazeotrope		575
9525	C_7H_7Cl	*o*-Chlorotoluene	159.15	152.0	~65	548
9526	C_7H_7Cl	*p*-Chlorotoluene	162.4	~ 153.0		548
9527	C_7H_8	Toluene	110.75	Nonazeotrope		575
9528	C_7H_8O	Anisole	153.85	150.1	55.5	556
9529	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope		575
9530	C_7H_{14}	Methylcyclohexane	101.45	Nonazeotrope		575
9531	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	Nonazeotrope		575
9532	$C_7H_{14}O$	5-Methyl-2-hexanone	144.2	Nonazeotrope		552
9533	$C_7H_{14}O_2$	Methyl caproate	151.0	< 150.0	<32	548
9534	C_7H_{16}	Heptane	98.4	Nonazeotrope		527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_5H_{10}O_3$**	**Ethyl Lactate** *(continued)*	**154.1**			
9535	C_8H_8	Styrene	145.8	140.5	25	548
		" 32 mm.			16 vol. %	342
9536	C_8H_{10}	Ethylbenzene			~ 16 vol. %	342
9537	C_8H_{10}	*m*-Xylene	139.0	137.4	19.5	527
9538	C_8H_{10}	*o*-Xylene	144.3	140.2	30	567
9539	C_8H_{10}	*p*-Xylene	138.45	136.6	17	575
9540	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope		556
9541	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	Nonazeotrope		575
9542	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope		548
9543	$C_8H_{16}O_2$	Isoamyl propionate	160.7	152.8	78	575
9544	$C_8H_{16}O_2$	Isobutyl butyrate	156.9	151.5	62	527
9545	$C_8H_{16}O_2$	Isobutyl isobutyrate	148.6	146.5	30	527
9546	$C_8H_{16}O_2$	Propyl isovalerate	155.7	150	~60	532,563
9547	$C_8H_{18}O$	Butyl ether	142.4	<141.5		575
9548	C_9H_8	Indene	182.6	Nonazeotrope		575
9549	C_9H_{12}	Cumene	152.8	143.5	48	569
9550	C_9H_{12}	Mesitylene	164.9	150.05	73	530
9551	C_9H_{12}	Propylbenzene	159.2	147	58	548
9552	C_9H_{12}	Pseudocumene	168.2	152.4	73	541
9553	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	Nonazeotrope		552
9554	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope		575
9555	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		538
9556	$C_{10}H_{16}$	Camphene	159.5	144.95	55	528
9557	$C_{10}H_{16}$	*d*-Limonene	177.8	Nonazeotrope		573
9558	$C_{10}H_{16}$	Nopinene	163.8	147.3	62	567
9559	$C_{10}H_{16}$	α-Pinene	155.8	143.1	49.8	528
		"	155.8	<152.0	<82	575
9560	$C_{10}H_{16}$	Terpinolene	181.6	Nonazeotrope		575
9561	$C_{10}H_{16}$	Thymene	179.7	Nonazeotrope		573
9562	$C_{10}H_{22}$	2,7-Dimethyloctane	160.2	146.0	60	573
A =	**$C_5H_{10}O_3$**	**2-Methoxyethyl Acetate**	**144.6**			
9563	$C_5H_{11}Br$	1-Bromo-3-methylbutane	120.65	Nonazeotrope		575
9564	$C_5H_{11}I$	1-Iodo-3-methylbutane	147.65	<141.5	<65	575
9565	$C_5H_{11}NO_3$	Isoamyl nitrate	149.75	144.4	87	559
9666	$C_5H_{12}O$	Amyl alcohol	138.2	<137.0		575
9567	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	Nonazeotrope		575
9568	$C_5H_{12}O$	Isoamyl alcohol	131.9	Nonazeotrope		527
9569	$C_5H_{12}O$	2-Pentanol	119.8	Nonazeotrope		575
9570	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	Nonazeotrope		556
9571	C_6H_5Br	Bromobenzene	156.1	Nonazeotrope		556
9572	C_6H_5Cl	Chlorobenzene	131.75	Nonazeotrope		556
9573	C_6H_6O	Phenol	182.2	183.6	18	556
9574	$C_6H_{10}O_4$	Ethylidene diacetate	168.5	Nonazeotrope		527
9575	$C_6H_{12}O_2$	Butyl acetate	126.0	Nonazeotrope		526
9576	$C_6H_{12}O_2$	Ethyl butyrate	121.5	Nonazeotrope		575
9577	$C_6H_{12}O_2$	Isoamyl formate	123.8	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_5H_{10}O_3$**	**2-Methoxyethyl Acetate**	**144.6**			
		(continued)				
9578	$C_6H_{12}O_2$	Isobutyl acetate	117.4	Nonazeotrope		575
9579	$C_6H_{13}Br$	1-Bromohexane	156.5	<144.2	<92	575
9580	$C_6H_{14}O$	Hexyl alcohol	157.85	Nonazeotrope		526
9581	C_7H_7Cl	*o*-Chlorotoluene	159.2	Nonazeotrope		575
9582	C_7H_8	Toluene	110.75	Nonazeotrope		556
9583	C_7H_8O	Anisole	153.85	Nonazeotrope		556
9584	C_7H_8O	*m*-Cresol	202.2	Nonazeotrope		575
9585	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope		556
9586	C_7H_8O	*p*-Cresol	201.7	Nonazeotrope		526
9587	$C_7H_{14}O$	5-Methyl-2-hexanone	144.2	<144.0	>35	575
9588	$C_7H_{14}O_2$	Amyl acetate	148.8	<144.45	<92	575
9589	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	Nonazeotrope		575
9590	$C_7H_{14}O_2$	Ethyl valerate	145.45	143.8	70	526
9591	$C_7H_{14}O_2$	Isoamyl acetate	142.1	141.5	20	526
9592	$C_7H_{14}O_2$	Propyl butyrate	143.7	<143.2	<68	575
9593	$C_7H_{16}O_3$	Ethyl orthoformate	145.75	143.45	51	527,556
9594	C_8H_8	Styrene	145.8	143.0	61	562
9595	C_8H_{10}	Ethylbenzene	136.15	135.5	15	526
9596	C_8H_{10}	*m*-Xylene	139.2	137.7	28	514,527
9597	C_8H_{10}	*o*-Xylene	144.3	141.5	50	526
9598	C_8H_{10}	*p*-Xylene	138.45	137.2	26	514,526
9599	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	Nonazeotrope		575
9600	$C_8H_{16}O_2$	Ethyl caproate	167.7	Nonazeotrope		575
9601	$C_8H_{16}O_2$	Isoamyl propionate	160.7	Nonazeotrope		575
9602	$C_8H_{16}O_2$	Isobutyl butyrate	156.9	Nonazeotrope		575
9603	$C_8H_{16}O_2$	Isobutyl isobutyrate	147.3	Nonazeotrope		575
9604	$C_8H_{16}O_2$	Propyl isovalerate	155.7	Nonazeotrope		575
9605	C_8H_{18}	Octane	125.75	<125.2	<11	575
9606	$C_8H_{18}O$	Butyl ether	142.4	138.0	30	526
9607	$C_8H_{18}O$	Isobutyl ether	122.3	Nonazeotrope		526
9608	C_9H_{12}	Cumene	152.8	144.3	94	527
9609	C_9H_{12}	Mesitylene	164.6	Nonazeotrope		575
9610	C_9H_{12}	Propylbenzene	159.3	Nonazeotrope		526
9611	C_9H_{12}	Pseudocumene	168.2	Nonazeotrope		575
9612	$C_9H_{18}O_2$	Isoamyl isobutyrate	169.8	Nonazeotrope		575
9613	$C_{10}H_{16}$	Camphene	159.6	143.3	82	526
9614	$C_{10}H_{16}$	Nopinene	163.8	143.5	83	575
9615	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope		575
9616	$C_{10}H_{16}$	α-Pinene	155.8	142.0	80	526
9617	$C_{10}H_{22}$	2,7-Dimethyloctane	160.1	142.5	80	562
A =	**$C_5H_{11}Br$**	**1-Bromo-3-methylbutane**	**120.65**			
9618	$C_5H_{12}O$	Amyl alcohol	138.2	118.2	85	567
9619	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	Nonazeotrope		527
9620	$C_5H_{12}O$	Isoamyl alcohol	129.0	116.15	87.3	388,527
9621	$C_5H_{12}O$	2-Pentanol	119.8	<115.0	<74	527
9622	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	Nonazeotrope		527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_5H_{11}Br$**	**1-Bromo-3-methylbutane**	**120.65**			
		(continued)				
9623	$C_6H_{10}O$	Mesityl oxide	129.45	Nonazeotrope		527
9624	$C_6H_{10}S$	Allyl sulfide	139.35	Nonazeotrope		566
9625	$C_6H_{12}O$	3-Hexanone	123.3	119.8	45	552
9626	$C_6H_{12}O$	4-Methyl-2-pentanone	116.05	115.6	30	527
9627	$C_6H_{12}O_2$	Butyl acetate	125.0	Nonazeotrope		527
9628	$C_6H_{12}O_2$	Ethyl butyrate	121.5	119.8	65	388,527
9629	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	Nonazeotrope		547
9630	$C_6H_{12}O_2$	Isoamyl formate	123.8	120.0	76	527
9631	$C_6H_{12}O_2$	Isobutyl acetate	117.4	117.2	<28	527
9632	$C_6H_{12}O_2$	Methyl isovalerate	116.5	Nonazeotrope		547
9633	$C_6H_{12}O_2$	Propyl propionate	123.0	120.2	75	562
9634	$C_6H_{12}O_3$	Paraldehyde	124	118.5	~24	563
9635	$C_6H_{14}S$	Isopropyl sulfide	120.5	<118.9	<48	566
9636	$C_6H_{15}BO_3$	Ethyl borate	118.6	117.7	38	527
9637	C_7H_8	Toluene	109.5	Nonazeotrope		567
9638	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	Nonazeotrope		527
9639	$C_7H_{14}O_2$	Isoamyl acetate	137.5	Nonazeotrope		388
9640	$C_7H_{14}O_2$	Isopropyl isobutyrate	120.8	119.5	60	547
9641	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	<118.9	<60	527
9642	C_8H_{18}	*n*-Octane	125.75	<120.2	<90	527
A =	**$C_5H_{11}Br$**	**1-Bromopentane**	**130.0**			
9643	C_7H_8	Toluene	110.7	Nonazeotrope		813
A =	**$C_5H_{11}Cl$**	**1-Chloro-3-methylbutane**	**99.4**			
9644	$C_5H_{11}NO_2$	Isoamyl nitrite	97.15	< 96.9	<20	550
9645	$C_5H_{12}O$	*tert*-Amyl alcohol	102.25	95.85	73.5	545
9646	$C_5H_{12}O$	Isoamyl alcohol	131.9	Nonazeotrope		527
9647	$C_5H_{12}O_2$	Diethoxymethane	87.95	Nonazeotrope		527
9648	C_6H_6	Benzene	80.15	Nonazeotrope		575
9649	$C_6H_{10}S$	Allyl sulfide	139.35	Nonazeotrope		575
9650	$C_6H_{12}O$	Pinacolone	106.2	Nonazeotrope		548
9651	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	Nonazeotrope		547
9652	$C_6H_{14}O$	Propyl ether	90.1	Nonazeotrope		559
9653	$C_6H_{14}O_2$	Acetal	103.55	Nonazeotrope		559
9654	C_7H_{14}	Methylcyclohexane	101.15	98.0	64	562
9655	C_7H_{16}	Heptane	98.4	96.5	52	527
9656	C_8H_{18}	2,5-Dimethylhexane	109.4	Nonazeotrope		575
A =	**$C_5H_{11}I$**	**1-Iodo-3-methylbutane**	**147.65**			
9657	$C_5H_{11}NO_3$	Isoamyl nitrate	149.75	<144.5	>57	560
9658	$C_5H_{12}O$	Isoamyl alcohol	128.9	127.3	48	388,527
9659	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	143.0		526
9660	C_6H_5ClO	*o*-Chlorophenol	176.8	Nonazeotrope		575
9661	C_6H_6O	Phenol	182.2	Nonazeotrope		542
9662	$C_6H_{10}O$	Cyclohexanone	155.7	Nonazeotrope		552
9663	$C_6H_{10}O$	Mesityl oxide	129.45	Nonazeotrope		527
9664	$C_6H_{12}O$	Cyclohexanol	160.65	147.0	~90	573
9665	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	<147.4		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_5H_{11}I$**	**1-Iodo-3-methylbutane**	**147.65**			
		(continued)				
9666	$C_6H_{14}O$	Hexyl alcohol	157.85	145.2	87	567
9667	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	Nonazeotrope		575
9668	$C_6H_{14}O_2$	Pinacol	174.35	145.5	~90	575
9669	C_7H_8O	Anisole	153.85	Nonazeotrope		573
9670	$C_7H_{14}O$	4-Heptanone	143.55	143.0	35	552
9671	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	Nonazeotrope		575
9672	$C_7H_{14}O_2$	Isoamyl acetate	142.1	141.7	~18	528
		"	137.5	Nonazeotrope		388
9673	$C_7H_{14}O_2$	Amyl acetate	148.8	145.9	60	562
9674	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	Nonazeotrope		575
9675	$C_7H_{14}O_2$	Ethyl valerate	145.45	<145.1	<30	575
9676	$C_7H_{14}O_2$	Isobutyl propionate	136.9	Nonazeotrope		546
9677	$C_7H_{14}O_2$	Propyl butyrate	143.7	Nonazeotrope		547
9678	$C_7H_{14}O_2$	Methyl caproate	149.8	<147.5	<70	575
9679	$C_7H_{14}O_2$	Propyl isobutyrate	134.0	Nonazeotrope		547
9680	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	Nonazeotrope		575
9681	$C_7H_{16}O$	Heptyl alcohol	176.15	Nonazeotrope		575
9682	C_8H_8	Styrene	145.8	<145.0		575
9683	C_8H_{10}	*m*-Xylene	139.0	Nonazeotrope		538
9684	$C_8H_{16}O_2$	Isobutyl butyrate	156.8	Nonazeotrope		547
9685	$C_8H_{16}O_2$	Isobutyl isobutyrate	147.3	146.5	58	538
9686	$C_8H_{18}O$	Butyl ether	142.4	Nonazeotrope		559
9687	$C_{10}H_{16}$	Camphene	159.6	Nonazeotrope		575
9688	$C_{10}H_{16}$	Nopinene	163.8	Nonazeotrope		575
9689	$C_{10}H_{16}$	α-Pinene	155.8	<147.4	>80	575
A =	**$C_5H_{11}N$**	**Piperidine**	**106.4**			
9690	$C_6H_{14}O$	Propyl ether	90.1	Nonazeotrope		575
9691	C_7H_8	Toluene	110.7		Min. b.p.	516
9692	C_7H_{14}	Methylcyclohexane	100		Min. b.p.	240
9693	C_7H_{16}	Heptane	98.4	< 97.5	>9	575
A =	**$C_5H_{11}NO_2$**	**Ethyl-*N*-Ethylaminoformate**				
9694	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.4	167.0	24.2	555
9695	$C_8H_{18}S$	Isobutyl sulfide	172	166.5	23	555
A =	**$C_5H_{11}NO_2$**	**Isoamyl Nitrite**	**97.15**			
9696	$C_5H_{12}O_2$	Diethoxymethane	87.95	Nonazeotrope		527
9697	C_6H_6	Benzene	80.15	Nonazeotrope		550
9698	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope		550
9699	C_6H_{12}	Methylcyclopentane	72.0	Nonazeotrope		550
9700	$C_6H_{12}O$	Pinacolone	106.2	Nonazeotrope		552
9701	C_6H_{14}	Hexane	68.8	Nonazeotrope		550
9702	$C_6H_{14}O$	Propyl ether	90.1	Nonazeotrope		550
9703	$C_6H_{14}O_2$	Acetal	103.55	Nonazeotrope		550
9704	C_7H_8	Toluene	110.75	Nonazeotrope		550
9705	C_7H_{14}	Methylcyclohexane	101.15	95.5	79	550

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_5H_{11}NO_2$**	**Isoamyl Nitrite** *(continued)*	**97.15**				
9706	C_7H_{16}	Heptane	98.4	94.8	52		550
9707	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	Nonazeotrope			550
9708	C_8H_{18}	2,5-Dimethylhexane	109.4	Nonazeotrope			550
9709	C_8H_{18}	Octane	125.75	Nonazeotrope			550
A =	**$C_5H_{11}NO_3$**	**Isoamyl Nitrate**	**149.75**				
9710	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	<143.5	>57		560
9711	$C_5H_{12}O_3$	2-(2-Methoxyethoxy) ethanol	192.95	Nonazeotrope			560
9712	C_6H_5Br	Bromobenzene	156.1	Nonazeotrope			560
9713	$C_6H_{12}O$	Cyclohexanol	160.8	<148			560
9714	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope			560
9715	$C_6H_{13}Br$	1-Bromohexane	156.5	<148.5	<80		560
9716	$C_6H_{14}O$	Hexyl alcohol	157.85	<148.0	>11		560
9717	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	Nonazeotrope			556
9718	C_7H_7Cl	*o*-Chlorotoluene	159.2	Nonazeotrope			560
9719	C_7H_7Cl	*p*-Chlorotoluene	162.4	Nonazeotrope			547
9720	C_7H_8O	Anisole	153.85	Nonazeotrope			557
9721	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	Nonazeotrope			560
9722	$C_7H_{14}O_2$	Methyl caproate	149.8	148.5	55		549
9723	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	Nonazeotrope			527
9724	C_8H_8	Styrene	145.8	<145.6	<38		560
9725	C_8H_{10}	*m*-Xylene	139.0	Nonazeotrope			527
9726	$C_8H_{16}O_2$	Isoamyl propionate	160.7	Nonazeotrope			560
9727	$C_8H_{16}O_2$	Isobutyl butyrate	156.9	Nonazeotrope			549
9728	$C_8H_{16}O_2$	Isobutyl isobutyrate	148.6	<147.5	<40		549
9729	C_9H_{12}	Mesitylene	164.6	Nonazeotrope			560
9730	C_9H_{12}	Propylbenzene	158.9	Nonazeotrope			546
9731	$C_9H_{20}O_2$	Diisobutoxymethane	163.8	Nonazeotrope			557
9732	$C_{10}H_{16}$	Camphene	159.6	149.0	72		560
9733	$C_{10}H_{16}$	Nopinene	163.8	149.2	80		560
9734	$C_{10}H_{16}$	α-Pinene	155.8	147.75	65		560
9735	$C_{10}H_{22}$	2,7-Dimethyloctane	160.1	<148.6	<83		560
A =	**C_5H_{12}**	**2-Methylbutane**	**27.95**				
9736	C_5H_{12}	Pentane	36.15	Nonazeotrope			563
9737	$C_6F_{15}N$	Perfluorotriethylamine		26.5	64.0		717
9738	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope			553
A =	**C_5H_{12}**	**Pentane**	**36.15**				
9739	$C_5H_{12}O$	*tert*-Amyl alcohol	102.35	Nonazeotrope			575
9740	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope			554
9741	C_6H_6	Benzene	80.2	Nonazeotrope		v-l	163,675
9742	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope		v-l	677
9743	C_6H_{12}	Methylcyclopentane	72.0	Nonazeotrope		v-l	163,677
9744	C_7F_{16}	Perfluoroheptane, crit. region	82.5	176.3	23.1	v-l	430,431

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_5H_{12}**	**Pentane *(continued)***	**36.15**				
9745	C_7H_{14}	Methylcyclohexane	101.15	Nonazeotrope		v-l	163,677
A =	**$C_5H_{12}N_2O$**	**Tetramethylurea**	**176.5**				
9746	C_6H_6O	Phenol	181.4		48.2		596
		"		max. b.p.			596
A =	**$C_5H_{12}O$**	**Amyl Alcohol**	**138.2**				
9746a	$C_5H_{12}O$	Isoamyl alcohol 746 mm.		Nonazeotrope		v-l	213f
9747	C_6H_5Cl	Chlorobenzene	131.75	126.2	25		567
9748	C_6H_6	Benzene	80.15	Nonazeotrope			575
		"	80.2	Nonazeotrope		v-l	1011
9749	C_6H_6O	Phenol	182.2	Nonazeotrope			575
9750	$C_6H_{10}O$	Methylcyclopentanone	138	Min. b.p.			233,234, 919
9751	$C_6H_{10}S$	Allyl sulfide	139.35	<134.5	>42		566
9752	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope			575
9753	$C_6H_{12}O_2$	Amyl formate	132	131.4	43		359
9754	$C_6H_{12}O_2$	Butyl acetate	126.0	Nonazeotrope			527
9755	$C_6H_{12}O_2$	Ethyl butyrate	121.5	Nonazeotrope			575
9756	$C_6H_{12}O_2$	Isoamyl formate	123.8	Nonazeotrope			575
9757	$C_6H_{12}O_3$	Paraldehyde	123.9	Nonazeotrope			576
9758	C_6H_{14}	Hexane	69.0	Nonazeotrope			813
9759	$C_6H_{14}N_2$	2,5-Dimethylpiperazine	164	Nonazeotrope			981
9760	C_7H_8	Toluene	110.75	Nonazeotrope			575
9761	C_7H_{14}	Methylcyclohexane	101.15	<101.0			575
9762	$C_7H_{14}O$	4-Heptanone	143.55	Nonazeotrope			548
9763	$C_7H_{14}O_2$	Amyl acetate	148.8	Nonazeotrope			359
9764	$C_7H_{14}O_2$	Propyl isobutyrate	134.0	<133.5	>19		575
9765	C_8H_{10}	Ethylbenzene	136.15	129.8	40		567
		" 60 mm.	60.5	57.5	20		53
		"		129.57	39.5	v-l	587
9766	C_8H_{10}	*p*-Xylene	138.45	130.90	41.9	v-l	308c,567
9767	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	118.2	20		567
9768	C_8H_{18}	C_8 paraffins	120-130	Min. b.p.			919
9769	C_8H_{18}	Octane	125.75	121.8			919
9770	$C_8H_{18}O$	Butyl ether	142.1	134.5	50		556
9771	$C_8H_{18}O$	Isobutyl ether	122.2	121.2	10		576
9772	$C_{10}H_{22}O$	Amyl ether	188	Nonazeotrope			760
9773	$C_{11}H_{24}O_2$	Diamyloxymethane	221.6	Nonazeotrope			324
9774	$C_{12}H_{26}O_2$	Acetaldehyde diamyl acetal	225.3	Nonazeotrope			45
A =	**$C_5H_{12}O$**	**Active Amyl Alcohol**	**128.5**				
9775	$C_5H_{12}O$	Isoamyl alcohol	131	Nonazeotrope		v-l	711
9776	C_6H_5Cl	Chlorobenzene	132	124.4	43		958
9777	C_6H_5FO	*o*-Fluorophenol		Nonazeotrope			958
9778	C_6H_7N	2-Picoline	129	132.8	49		958
9779	$C_6H_{10}O$	Mesityl oxide	129.5	Nonazeotrope			958
9780	C_7H_7F	*o*-Fluorotoluene	114	112.0	16		958

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_5H_{12}O$**	**Active Amyl Alcohol**	**128.5**				
		(continued)					
9781	C_7H_8	Toluene	111	109.9	12		958
9782	C_7H_9N	2,6-Lutidine	144	Nonazeotrope			958
9783	$C_7H_{14}O$	2,4-Dimethyl-3-pentanone	125	124.1	21		958
9784	$C_7H_{15}N$	1,2-Dimethylpiperidine	128	130.3			958
9785	$C_7H_{15}N$	2,6-Dimethylpiperidine	128	130.7	54		958
9786	C_8H_{10}	Ethylbenzene	136	125.0	53		958
9787	C_8H_{18}	*n*-Octane	126.0	117.0	34		958
9788	C_9H_{20}	2,2,5-Trimethylhexane	124	115.5	29		958
A =	**$C_5H_{12}O$**	***tert*-Amyl Alcohol**	**102.35**				
9789	$C_5H_{12}O_2$	Diethoxymethane	87.95	Nonazeotrope			527
9790	C_6H_5Cl	Chlorobenzene	131.75	Nonazeotrope			575
9791	C_6H_6	Benzene	80.2	~ 80.0	~ 15		537
		"	80.2	80.0	15		163
		" 715 mm.			4.95	v-l	773
9792	C_6H_8	1,3-Cyclohexadiene	80.4	79.7	~15		541
9793	C_6H_{10}	Cyclohexene	82.7	80.8	17		537
9794	C_6H_{12}	Cyclohexane	80.75	78.5	16		537
9795	C_6H_{12}	Methylcyclopentane	72.0	71.5	5		575
9796	$C_6H_{12}O_2$	Methyl isovalerate	116.5	Nonazeotrope			575
9797	C_6H_{14}	2,3-Dimethylbutane	58.0	Nonazeotrope			575
9798	C_6H_{14}	Hexane	68.9	68.3	4		537
9799	$C_6H_{14}O$	Propyl ether	90.4	88.8	20		545
9800	C_7H_8	Toluene	110.7	100.5	56		50,537
		"	110.7	100.5	56		163
		" 715 mm.			32.5	v-l	773
9801	C_7H_{14}	Methylcyclohexane	100.8	92.0	40		50,571
9802	C_7H_{16}	Heptane	98.45	92.2	26.5		545,571
9803	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			537
		60 mm.	60.5	45	83		53
9804	C_8H_{10}	*m*-Xylene	139.0	Nonazeotrope			540
9805	C_8H_{10}	*o*-Xylene	144.3	Nonazeotrope			575
9806	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	100.1	68		567
9807	C_8H_{18}	2,5-Dimethylhexane	109.4	97.0	50		567
9808	C_8H_{18}	Octane	125.75	101.1	75		567
9809	$C_8H_{18}O$	Isobutyl ether	122.1	Min. b.p.			576
9810	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope			537
A =	**$C_5H_{12}O$**	**Ethyl Propyl Ether**	**63.6**				
9811	C_6H_{10}	Biallyl	60.1	< 60.0	> 5		558
9812	C_6H_{12}	Methylcyclopentane	72.0	Nonazeotrope			558
9813	C_6H_{14}	2,3-Dimethylbutane	58.0	Nonazeotrope			558
9814	C_6H_{14}	Hexane	68.85	Nonazeotrope			558
9815	$C_6H_{15}N$	Triethylamine	89.35	Nonazeotrope			551
A =	**$C_5H_{12}O$**	**Isoamyl Alcohol**	**131.9**				
9816	$C_5H_{12}O_2$	2-Propoxyethanol	151.35	Nonazeotrope			527
9817	$C_5H_{12}S$	3-Methyl-1-butanethiol	116	115.6	22.89		487

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_5H_{12}O$**	**Isoamyl Alcohol** *(continued)*	**131.9**				
9818	C_6H_5Br	Bromobenzene	156.15	131.65	85		527
9819	C_6H_5Cl	Chlorobenzene	131.8	124.35	34		527
		"	132	123.9	38		958
9820	C_6H_5FO	*o*-Fluorophenol		Nonazeotrope			958
9821	C_6H_6	Benzene	80.2	Nonazeotrope			1044
9822	C_6H_6O	Phenol	181.5	Nonazeotrope			527
9823	C_6H_6S	Benzenethiol	169.5	Nonazeotrope			575
9824	C_6H_7N	Aniline	184.35	Nonazeotrope			527
9825	C_6H_7N	2-Picoline	130.7	>132.5			575
		"	129	132.8	61		958
9826	C_6H_7N	3-Picoline	143.4	Nonazeotrope			575
9827	C_6H_8	1,3-Cyclohexadiene	80.4	Nonazeotrope			575
9828	C_6H_9N	*N*-Ethylpyrrol	130.4	<129.0			575
9829	C_6H_{10}	Cyclohexene	82.7	Nonazeotrope			537
9830	$C_6H_{10}O$	Mesityl oxide	129.45	129.15	24		552
		" "	129.5	Nonazeotrope			958
9831	$C_6H_{10}S$	Allyl sulfide	139.35	<131.5			527
9832	$C_6H_{11}ClO_2$	Butyl choroacetate	181.9	Nonazeotrope			575
9833	$C_6H_{11}N$	Capronitrile	163.9	Nonazeotrope			575
9834	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope			537
9835	C_6H_{12}	Methylcyclopentane	72.0	Nonazeotrope			575
9836	$C_6H_{12}O$	4-Methyl-2-pentanone	116.05	Nonazeotrope			527
9837	$C_6H_{12}O_2$	Butyl acetate	126.0	125.85	17.5		527
9838	$C_6H_{12}O_2$	Ethyl butyrate	120.6	Nonazeotrope			388
9839	$C_6H_{12}O_2$	Isoamyl formate	124.2	123.6	25.5		359,527
9840	$C_6H_{12}O_2$	Isobutyl acetate	117.4	Nonazeotrope			527
9841	$C_6H_{12}O_2$	Propyl propionate	122.1	Nonazeotrope			532
9842	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope			527
9843	$C_6H_{12}O_3$	Paraldehyde	124	123.5	22		556
9844	C_6H_{14}	2,3-Dimethylbutane	58	Nonazeotrope			575
9845	C_6H_{14}	Hexane	68.95	Nonazeotrope			563
9846	$C_6H_{14}S$	Propyl sulfide	141.5	<130.5	<79		566
9847	$C_6H_{15}BO_3$	Ethyl borate	118.6	Nonazeotrope			532
9847a	C_7H_7Cl	α-Chlorotoluene					
		20 mm.		Nonazeotrope		v-l	494f
		"	179	Nonazeotrope		v-l	494f
9848	C_7H_7Cl	*o*-Chlorotoluene	159.2	Nonazeotrope			527
9849	C_7H_7Cl	*p*-Chlorotoluene	162.4	Nonazeotrope			527
9850	C_7H_n	C_7 hydrocarbons	95-120	Min b.p.			919
9851	C_7H_7F	*o*-Fluorotoluene	114	112.1	14		958
9852	C_7H_8	Toluene	111	109.7	10		958,1069
		"	110.7			v-l	793
		" 690 mm.		107		v-l	793
		" 482 mm.		95		v-l	793
		" 295 mm.		80		v-l	793

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	$C_5H_{12}O$	**Isoamyl Alcohol** *(continued)*	131.9				
		% alcohol decreases with decreasing press.					793
		"	110.7	Nonazeotrope			50,527, 834
9853	C_7H_8O	Anisole	153.85	Nonazeotrope			1048
9854	C_7H_9N	2,6-Lutidine, 70 mm.		Max. b.p.			958
		"	144	Nonazeotrope			958
9855	$C_7H_{13}ClO_2$	Isoamyl chloroacetate	195.2	Nonazeotrope			121
9856	C_7H_{14}	Methylcyclohexane	100.8	98.2	13		50,527
9857	$C_7H_{14}O$	2,4-Dimethyl-3-pentanone	125	124.5	8		958
9858	$C_7H_{14}O$	4-Heptanone	143.55	Nonazeotrope			527
9899	$C_7H_{14}O$	Isoamyl vinyl ether	112.6	112.1	12		882
9860	$C_7H_{14}O$	5-Methyl-2-hexanone	144.2	Nonazeotrope			527,552
9861	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	130.5	58		527
9862	$C_7H_{14}O_2$	Ethyl valerate	145.45	Nonazeotrope			527
9863	$C_7H_{14}O_2$	Isoamyl acetate					
		20 mm.	52.8	51.4	40.8	v-l	496e
		"	142.2	130	89.7	v-l	496e
		"		130.8	98.7		498c
		"	137.5	129.1	97.4		567
		"	142	Nonazeotrope			359
9864	$C_7H_{14}O_2$	Isobutyl propionate	136.9	131.2	72		527
9865	$C_7H_{14}O_2$	Propyl butyrate	143	Nonazeotrope			527
9866	$C_7H_{14}O_2$	Propyl isobutyrate	134.0	130.2	53		527
9867	$C_7H_{15}N$	1,2-Dimethyl piperidine	128	132.5	81		958
9868	$C_7H_{15}N$	2,6-Dimethyl piperidine	128	132.6	76		958
9869	C_7H_{16}	Heptane	98.45	97.7	7		527
9870	C_8H_8	Styrene, 60 mm.	68	64.8	43		53
		"	145.8	128.5	63		537
9871	C_8H_{10}	Ethylbenzene,	136.15	125.9	49		539
		" 60 mm.	60.5	58.5	26		53
		"	136	125.7	49		958
9872	C_8H_{10}	*m*-Xylene	139	125-126	52		563,834
9873	C_8H_{10}	*o*-Xylene	142.6	127	>52		527,834
9874	C_8H_{10}	*p*-Xylene	138.2	125-126	52		541,834
9875	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope			575
9876	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope			575
9877	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	116.6	27		567
9878	C_8H_{16}	6-Methyl-1-heptene, 751 mm.		109	18		757
9879	$C_8H_{16}O_2$	Isoamyl propionate	160.7	Nonazeotrope			575
9880	C_8H_{18}	2,5-Dimethylhexane	109.4	107.6	15		567
9881	C_8H_{18}	Octane	125.8	120.0	35		545
		"	126	117.0	30		958
9882	C_8H_{18}	2,2,4-Trimethylpentane	99.3	99.0	5		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_5H_{12}O$**	**Isoamyl Alcohol** *(continued)*	**131.9**			
9883	$C_8H_{18}O$	Butyl ether	142.1	129.8	65	527
9884	$C_8H_{18}O$	Isobutyl ether	122.1	119.8	22	527
9885	C_9H_8	Indene	181.7	Nonazeotrope		537
9886	C_9H_{12}	Cumene	152.8	131.6	94	537
9887	C_9H_{12}	Mesitylene	164.0	Nonazeotrope		563
9888	C_9H_{12}	Propylbenzene	159.3	Nonazeotrope		527
9889	C_9H_{12}	Pseudocumene	169	Nonazeotrope		563
9890	C_9H_{20}	2,2,5-Trimethylhexane	124	116.0	26	958
9891	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope		575
9892	$C_{10}H_{14}$	Cymene	175.3	Nonazeotrope		563
9893	$C_{10}H_{16}$	Camphene	159.6	130.9	24	527
9894	$C_{10}H_{16}$	*d*-Limonene	177.8	Nonazeotrope		563
9895	$C_{10}H_{16}$	α-Phellandrene	171.5	Nonazeotrope		563
9896	$C_{10}H_{16}$	α-Pinene	155.8	130.7	74	527
9897	$C_{10}H_{16}$	Terpinolene	184.6	Nonazeotrope		575
9898	$C_{10}H_{16}$	Thymene	179.7	Nonazeotrope		537
9899	$C_{10}H_{22}$	2,7-Dimethyloctane	160.2	129.7	~85	537
9900	$C_{10}H_{22}O$	Isoamyl ether	171	Nonazeotrope		1033
9900a	$C_{12}H_{18}O$	Amyl benzyl ether 20 mm.		Nonazeotrope	v-l	494i
		"		Nonazeotrope	v-l	494i
9901	$C_{12}H_{26}O_2$	Acetaldehyde diisoamyl acetal	213.6	Nonazeotrope		45
A =	**$C_5H_{12}O$**	**2-Methyl-1-butanol**	**128.9**			
9902	C_7H_n	C_7 hydrocarbons	95-120	Min. b.p.		919
9903	C_7H_8	Toluene	110.7	Min. b.p.		919
9904	C_8H_8	Styrene, 60 mm.	68	60	52	53
9905	C_8H_{10}	Ethylbenzene, 60 mm.	60.5	56	33	53
A =	**$C_5H_{12}O$**	**3-Methyl-2-butanol**	**112.9**			
9906	C_6H_6	Benzene	80.15	Nonazeotrope		575
9907	C_6H_{10}	Cyclohexene	82.75	< 82.5	> 3.5	575
9908	C_6H_{14}	Hexane	68.8	Nonazeotrope		575
9909	C_7H_8	Toluene	110.75	<105.8	>38	575
9910	C_7H_{14}	Methylcyclohexane	101.15	97.0	25	567
9911	C_7H_{16}	Heptane	98.4	95.0	23	567
9912	C_8H_{10}	Ethylbenzene, 60 mm.	60.5	51	62	53
9913	C_8H_{18}	2,5-Dimethylhexane	109.4	<103.5	>32	575
A =	**$C_5H_{12}O$**	**2-Pentanol**	**119.8**			
9914	C_6H_5Cl	Chlorobenzene	131.75	<118.2	>55	567
9915	C_6H_6	Benzene	80.15	Nonazeotrope		575
9916	C_6H_7N	2-Picoline	130.7	Nonazeotrope		575
9917	C_6H_{10}	Cyclohexene	82.75	Nonazeotrope		575
9918	$C_6H_{10}O$	Mesityl oxide	129.45	Nonazeotrope		527
9919	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope		575
9920	C_6H_{12}	Methylcyclopentane	72.0	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_5H_{12}O$**	**2-Pentanol** *(continued)*	**119.8**			
9921	$C_6H_{12}O$	2-Hexanone	127.2	Nonazeotrope		552
9922	$C_6H_{12}O_2$	Butyl acetate	126.0	Quasi-azeotrope		527
9923	$C_6H_{12}O_2$	Ethyl butyrate	121.5	<118.5	>47	567
9924	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	Nonazeotrope		575
9925	$C_6H_{12}O_2$	Isobutyl acetate	117.4	116.5	32	567
9926	$C_6H_{12}O_2$	Methyl isovalerate	116.5	<115.8	>20	575
9927	$C_6H_{12}O_3$	Paraldehyde	124.35	118.5	52	575
9928	C_6H_{14}	Hexane	68.8	Nonazeotrope		575
9929	$C_6H_{14}O$	*tert*-Amyl methyl ether	86-7	Nonazeotrope		256
9930	$C_6H_{14}O$	*tert*-Butyl ethyl ether	73	Nonazeotrope		256
9931	$C_6H_{14}S$	Propyl sulfide	141.5	Nonazeotrope		566
9932	C_7H_8	Toluene	110.75	107.0	28	567
9933	C_7H_{14}	Methylcyclohexane	101.15	98.6	18	567
9934	C_7H_{16}	Heptane	98.4	96.0	15	567
9935	C_8H_8	Styrene, 60 mm.	68	60	69	53
9936	C_8H_{10}	Ethylbenzene	136.15	118.0	67	483
		" 60 mm.	60.5	54	50	53
9937	C_8H_{10}	*m*-Xylene	139.2	118.3	70	575
9938	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	<113.0	>38	567
9939	C_8H_{18}	Octane	125.75	<114.8	<56	567
9940	$C_8H_{18}O$	Isobutyl ether	122.1	115.0	41	576
A =	**$C_5H_{12}O$**	**3-Pentanol**	**116.0**			
9941	C_6H_6	Benzene	80.2	Nonazeotrope		537
9942	C_6H_{12}	Cyclohexane	80.8	80.0	3	540
9943	$C_6H_{12}O$	4-Methyl-2-pentanone	116.05	<115.0	>35	552
9944	C_6H_{14}	Hexane	68.95	Nonazeotrope		537
9945	$C_6H_{14}O$	Propyl ether	90.4	Nonazeotrope		576
9946	C_7H_8	Toluene	110.75	~ 106	~ 35	537
9947	C_7H_{14}	Methylcyclohexane	101.1	97.4	23	537
9948	C_7H_{16}	Heptane	98.4	96.0	20	567
9949	C_8H_{10}	Ethylbenzene, 60 mm.	60.5	51	50	53
9950	$C_8H_{18}O$	Isobutyl ether	122.1	112		576
A =	**$C_5H_{12}O_2$**	**Diethoxymethane**	**87.95**			
9951	C_6H_6	Benzene	80.15	Nonazeotrope		558
9952	C_6H_{12}	Cyclohexane	80.75	80.1	17	527
9953	C_6H_{14}	*n*-Hexane	68.8	Nonazeotrope		527
9954	$C_6H_{14}O$	Isopropyl ether	68.3	Nonazeotrope		575
9955	$C_6H_{15}N$	Triethylamine	89.35	< 86.8		551
9956	C_7H_{14}	Methylcyclohexane	101.15	Nonazeotrope		527
9957	C_7H_{16}	*n*-Heptane	98.4	87.8	96	558
A =	**$C_5H_{12}O_2$**	**3-Methyl-1,3-butanediol**				
9957a	$C_6H_{12}O_2$	Caproic acid 4 mm.		Azeotropic		581c
A =	**$C_5H_{12}O_2$**	**2-Propoxyethanol**	**151.35**			
9958	$C_6H_4Cl_2$	*p*-Dichlorobenzene	174.4	Nonazeotrope		556
9959	C_6H_5Br	Bromobenzene	156.1	148.2	48	556

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_5H_{12}O_2$**	**2-Propoxyethanol** *(continued)*	**151.35**			
9960	C_6H_5Cl	Chlorobenzene	131.75	Nonazeotrope		526
9961	C_6H_5I	Iodobenzene	188.45	Nonazeotrope		526
9962	C_6H_6O	Phenol	182.2	182.65	14	556
9963	C_6H_7N	Aniline	184.35	Nonazeotrope		551
9964	$C_6H_{10}O_4$	Ethylidene diacetate	168.5	Nonazeotrope		527
9965	$C_6H_{10}S$	Allyl sulfide	139.35	<137.5	<20	566
9966	$C_6H_{11}N$	Capronitrile	163.9	Nonazeotrope		575
9967	$C_6H_{12}O$	Cyclohexanol	160.8	Nonazeotrope		526
9968	$C_6H_{12}O_2$	Butyl acetate	126.0	Nonazeotrope		575
9969	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	151.25	87.5	556
9970	$C_6H_{12}O_3$	Paraldehyde	124.35	Nonazeotrope		556
9971	$C_6H_{12}O_3$	Propyl lactate	171.7	Nonazeotrope		575
9972	$C_6H_{14}O$	Hexyl alcohol	157.85	Nonazeotrope		526
9973	$C_6H_{14}O_2$	Pinacol	174.35	Nonazeotrope		575
9974	$C_6H_{15}NO$	2-Diethylaminoethanol	162.2	Nonazeotrope		551
9975	C_7H_6O	Benzaldehyde	179.2	Nonazeotrope		526
9976	C_7H_7Cl	*o*-Chlorotoluene	159.2	149.5	60	526
9977	C_7H_7Cl	*p*-Chlorotoluene	162.4	149.7	70	556
9978	C_7H_8	Toluene	110.75	Nonazeotrope		526
9979	C_7H_8O	Anisole	153.85	148.15	58	527
9980	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope		556
9981	C_7H_9N	Benzylamine	185.0	Nonazeotrope		551
9982	C_7H_9N	*N*-Methylaniline	196.25	Nonazeotrope		526
9983	$C_7H_{14}O$	4-Heptanone	143.55	Nonazeotrope		552
9984	$C_7H_{14}O$	5-Methyl-2-hexanone	144.2	Nonazeotrope		552
9985	$C_7H_{14}O_2$	Butyl propionate	146.8	<145.0	~ 20	575
9986	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	Nonazeotrope		526
9987	$C_7H_{14}O_2$	Ethyl valerate	145.75	144.0	22	556
9978	$C_7H_{14}O_2$	Isobutyl propionate	137.5	Nonazeotrope		575
9989	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	Nonazeotrope		527
9990	C_8H_8	Styrene	145.8	140.5	37	567
9991	C_8H_{10}	Ethylbenzene	136.15	134.5	20	556
9992	C_8H_{10}	*m*-Xylene	139.2	136.95	25.5	527
9993	C_8H_{10}	*o*-Xylene	144.3	140.5	35	526
9994	C_8H_{10}	*p*-Xylene	138.45	136.3	24	526
9995	$C_8H_{10}O$	*p*-Methylanisole	177.05	Nonazeotrope		526
9996	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope		556
9997	$C_8H_{11}N$	*N*-Dimethylaniline	194.15	Nonazeotrope		575
9998	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	119.0	15	575
9999	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope		526
10000	$C_8H_{16}O_2$	Isobutyl butyrate	156.9	149.0	62	526
10001	$C_8H_{16}O_2$	Propyl isovalerate	155.7	147.5	65	567
10002	C_8H_{18}	Octane	125.75	122.8	18	526
10003	$C_8H_{18}O$	Butyl ether	142.4	138.5	37	526

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_5H_{12}O_2$**	**2-Propoxyethanol** *(continued)*	**151.35**			
10004	$C_8H_{18}O$	Isobutyl ether	122.3	<122.0		575
10005	C_9H_8	Indene	182.6	Nonazeotrope		575
10006	C_9H_{12}	Cumene	152.8	147.0	50	526
10007	C_9H_{12}	Mesitylene	164.6	149.4	68	526
10008	C_9H_{12}	Propylbenzene	159.3	147.8	60	556
10009	C_9H_{12}	Pseudocumene	168.2	150.2	82	575
10010	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	Nonazeotrope		551
10011	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	Nonazeotrope		552
10012	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope		575
10013	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		556
10014	$C_{10}H_{16}$	Camphene	159.6	144	52	526
10015	$C_{10}H_{16}$	Dipentene	177.7	148.5	68	567
10016	$C_{10}H_{16}$	α-Pinene	155.8	142.0	48	567
10017	$C_{10}H_{16}$	α-Terpinene	173.4	148.0	65	567
10018	$C_{10}H_{16}$	Terpinolene	184.6	<150.8		575
10019	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope		556
10020	$C_{10}H_{22}$	2,7-Dimethyloctane	160.1	143.7	52	527
10021	$C_{10}H_{22}O$	Amyl ether	187.5	Nonazeotrope		575
10022	$C_{10}H_{22}O$	Isoamyl ether	173.2	150.1	77	556
A =	**$C_5H_{12}O_3$**	**2-(2-Methoxyethoxy)ethanol**	**192.95**			
10023	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope		554
10024	C_6H	Phenol	182.2	199.65	61	556
10025	C_6H_7N	Aniline	184.35	Nonazeotrope		551
10026	$C_6H_8O_4$	Methyl fumarate	193.25	185.5	44	526
10027	$C_6H_{10}O_4$	Ethylidene diacetate	168.5	Nonazeotrope		575
10028	$C_6H_{10}O_4$	Glycol diacetate	186.0	181.5	30	567
10029	$C_6H_{11}NO_2$	Nitrocyclohexane	205.3	<192.7		554
10030	C_7H_5N	Benzonitrile	191.1	<190.5		575
10031	$C_7H_7NO_2$	*o*-Nitrotoluene	221.75	Nonazeotrope		554
10032	C_7H_8O	Benzyl alcohol	205.25	<192.5		575
10033	C_7H_8O	*o*-Cresol	191.1	201.5	52	527
10034	C_7H_8O	*p*-Cresol	201.7	208.0	30	526
10035	$C_7H_8O_2$	Guaiacol	205.05	Nonazeotrope		526
10036	C_7H_9N	Benzylamine	185.0	Nonazeotrope		575
10037	C_7H_9N	Methylaniline	196.25	190.0	60	551
10038	$C_7H_{13}ClO_2$	Isoamyl chloroacetate	190.5	187.0	55	575
10039	$C_7H_{14}O_3$	Isobutyl lactate	182.15	Nonazeotrope		575
10040	$C_7H_{16}O_4$	2-[2-(2-Methoxyethoxy)-ethoxy]ethanol	245.25	Nonazeotrope		575
10041	$C_8H_6Cl_2$	*ar*-Dichlorostyrene, " 15 mm.		86-90		155
		" 29 mm.		100-101		155
10042	C_8H_8O	Acetophenone	202.0	191.9	80	527
10043	$C_8H_8O_2$	Methyl benzoate	199.4	188.8	50	526
10044	$C_8H_8O_2$	Phenyl acetate	195.7	188.6	45	526

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_8H_{12}O_3$**	**2-(2-Methoxyethoxy)ethanol** *(continued)*	**192.95**			
10045	$C_8H_8O_3$	Methyl salicylate	222.95	Nonazeotrope		575
10046	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope		575
10047	$C_8H_{10}O$	Phenethyl alcohol	219.4	Nonazeotrope		575
10048	$C_8H_{11}N$	Dimethylaniline	194.15	184.85	49	551
10049	$C_8H_{16}O_2$	Isoamyl propionate	160.7	Nonazeotrope		575
10050	$C_8H_{16}O_3$	Isoamyl lactate	202.4	Nonazeotrope		575
10051	C_9H_7N	Quinoline	237.3	Nonazeotrope		553
10052	C_9H_8	Indene	182.3	177.5	30	276,567
10053	$C_9H_{10}O_2$	Benzyl acetate	215.0	Nonazeotrope		575
10054	C_9H_{12}	*m*-Ethyltoluene	161.3		~ 8	631
		"	161.31	160.9	13 vol. %	826
10055	C_9H_{12}	*o*-Ethyltoluene	165.15	164.3	16 vol. %	826
		"	165.1		~ 16	928
10056	C_9H_{12}	*p*-Ethyltoluene	162.0		~ 9	928
		"	161.99	161.4	9 vol. %	826
10057	C_9H_{12}	Mesitylene	164.72	163.8	12 vol. %	826
		"	164.6	162.5	13	575,928
10058	C_9H_{12}	Pseudocumene	168.2		~ 15	928
		"	169.35	167.9	21 vol. %	826
10059	C_9H_{12}	1,2,3-Trimethylbenzene	176.08	173.4	26 vol. %	826
		"	176.1		~ 26	928
10060	$C_9H_{12}O$	Benzyl ethyl ether	185.0	< 183.2		575
10061	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	< 183.0		551
10062	$C_9H_{13}N$	Dimethyl-*p*-toluidine	210.2	Nonazeotrope		575
10063	$C_9H_{14}O$	Phorone	197.8	190.5	<75	552
10064	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	176.55	22	527
10065	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	< 170.5		575
10066	$C_{10}H_8$	Naphthalene	218.0	192.2	89	556
10067	$C_{10}H_{14}$	Butylbenzene	183.1	178.5	33	526
		"	183.27	177.9	32 vol. %	826
10068	$C_{10}H_{14}$	*sec*-Butylbenzene	173.30	170.7	16 vol. %	826
		"	173.1		~ 17	928
10069	$C_{10}H_{14}$	*tert*-Butylbenzene	168.5		~ 14	928
		"	169.11	167.6	13 vol. %	826
10070	$C_{10}H_{14}$	Isobutylbenzene	172.76	170.3	24 vol. %	826
10071	$C_{10}H_{14}$	*m*-Diethylbenzene	181.13	176.3	29 vol. %	826
10072	$C_{10}H_{14}$	*p*-Diethylbenzene	183.78	177.9	31 vol. %	826
10073	$C_{10}H_{14}$	5-Ethyl-*m*-xylene	183.75	177.9	30 vol. %	826
10074	$C_{10}H_{14}$	*p*-Cymene	177.10	173.3	22 vol. %	826
		"	176.7	172.0	27	575
10075	$C_{10}H_{14}$	1,2,3,5-Tetramethylbenzene	197.93	185.9	48 vol. %	826
10076	$C_{10}H_{15}N$	Diethylaniline	217.05	Nonazeotrope		551
10077	$C_{10}H_{16}$	Dipentene	177.7	168.5	33	575
10078	$C_{10}H_{16}$	Nopinene	163.8	159.0	~ 22	575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_5H_{12}O_3$**	**2-(2-Methoxyethoxy)ethanol**	**192.95**				
		(continued)					
10079	$C_{10}H_{16}$	α-Terpinene	173.4	166.0	30		575
10080	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope			552
10081	$C_{10}H_{18}O$	Borneol	215.0	Nonazeotrope			526
10082	$C_{10}H_{18}O$	Cineole	176.35	173.0	22		556
10083	$C_{10}H_{18}O$	Citronellal	208.0	Nonazeotrope			575
10084	$C_{10}H_{18}O$	Geraniol	229.6	Nonazeotrope			575
10085	$C_{10}H_{18}O$	α-Terpineol	218.85	Nonazeotrope			575
10086	$C_{10}H_{20}O$	Menthol	216.3	Nonazeotrope			575
10087	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	< 185.0	<45		567
10088	$C_{10}H_{22}O$	Amyl ether	187.5	179.5	46		526
10089	$C_{10}H_{22}O$	Decyl alcohol	232.8	Nonazeotrope			575
10090	$C_{10}H_{22}O$	Isoamyl ether	173.2	168.85	23		527
10091	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope			527
		"	241.1	Nonazeotrope			270
10092	$C_{11}H_{16}$	*tert*-Amylbenzene	198.1	182.8	40	vol. %	826
10093	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	187.5	50		567
10094	$C_{11}H_{22}$	*tert*-Amylcyclohexane	198.1	180.6	40	vol. %	826
10095	$C_{11}H_{24}$	*n*-Undecane	195.88	178.7	40	vol. %	826
10096	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	190.0	65		567
10097	$C_{12}H_{26}$	*n*-Dodecane, 217 mm.	169.79	144.2	52	vol. %	826
10098	$C_{12}H_{26}$	2,2,4,4,6-Pentamethylheptane	185.6	173.6	30	vol. %	826
10099	$C_{12}H_{26}$	2,2,4,6,6-Pentamethylheptane	177.9	168.9	23	vol. %	826
10100	$C_{13}H_{26}$	1-Tridecene	232.78	191.6	70	vol. %	826
A =	**$C_5H_{12}S$**	**3-Methyl-1-butanethiol**	**~ 120**				
10101	$C_6H_{10}O$	1-Hexene-5-one	129	Reacts			563
A =	**$C_5H_{14}OSi$**	**Ethoxytrimethylsilane**	**75-76**				
10102	C_6H_6	Benzene	80.2	Min. b.p.			192
A =	**$C_6F_{12}O$**	**Perfluorocyclic Ether**					
10103	C_6F_{14}	Perfluorohexane, 25°		Nonazeotrope		v-l	695
A =	**C_6F_{14}**	**Perfluorohexane**					
10104	C_6H_{14}	Hexane, 325 mm.		25	83.4	v-l	219
		" 479 mm.		35	83.7	v-l	219
		" 689 mm.		45	80.0	v-l	219
10105	$C_{12}F_{27}N$	Tris(perfluorobutyl) amine, 25°		Nonazeotrope		v-l	695
A =	**$C_6H_{15}N$**	**Perfluorotriethylamine**					
10106	C_6H_6	Benzene	80.1	56.8	87.2		717
10107	C_6H_{12}	Cyclohexane	80.7	56.2	85.4		717
10108	C_6H_{14}	Hexane	68.7	54.5	80.4		717
A =	**$C_6H_3Cl_3$**	**1,2,4-Trichlorobenzene**					
10109	$C_9H_6N_2O_2$	2,4-Tolylene diisocyanate, 40 mm.		Nonazeotrope		v-l	327

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_6H_3Cl_3$**	**1,3,5-Trichlorobenzene**	**208.4**			
10110	$C_6H_5NO_2$	Nitrobenzene	210.75	~ 207.0		545
10111	C_6H_6O	Phenol	181.5	181.3	5	563
		"	182.2	Nonazeotrope		544
10112	$C_6H_6O_2$	Pyrocatechol	245.9	Nonazeotrope		544
10113	C_6H_7N	Aniline	184.35	Nonazeotrope		575
10114	$C_6H_{10}O_3$	Ethyl acetoacetate	180.4	Nonazeotrope		545
10115	$C_6H_{12}O_2$	Caproic acid	205.2	204.0	57	543
10116	$C_7H_6O_2$	Benzoic acid	250.8	Nonazeotrope		575
10117	$C_7H_7NO_2$	*o*-Nitrotoluene	221.75	Nonazeotrope		554
10118	C_7H_8O	Benzyl alcohol	202.25	202.5		575
10119	C_7H_8O	*m*-Cresol	202.2	200.5	40	542
10120	C_7H_8O	*o*-Cresol	190.8	Nonazeotrope		563
10121	C_7H_8O	*p*-Cresol	201.7	200.2	40	542
10122	C_7H_9N	Methylaniline	196.25	Nonazeotrope		551
10123	C_7H_9N	*m*-Toluidine	203.1	< 202.5	>25	575
10124	C_7H_9N	*p*-Toluidine	200.3	~ 199		563
10125	$C_7H_{12}O_4$	Ethyl malonate	198.9	Nonazeotrope		563
10126	C_8H_8O	Acetophenone	202	Nonazeotrope		563
10127	$C_8H_8O_2$	Methyl benzoate	199.55	Nonazeotrope		563
10128	$C_8H_8O_3$	Methyl salicylate	222.95	Nonazeotrope		548
10129	$C_8H_{10}O$	Phenethyl alcohol	219.4	< 207.5		575
10130	$C_8H_{11}N$	Dimethylaniline	194.15	Nonazeotrope		551
10131	$C_8H_{11}N$	Ethylaniline	206.5	203	65	563
10132	$C_8H_{18}O$	Octyl alcohol	195.2	Nonazeotrope		575
10133	$C_8H_{18}O_3$	2-(2-Butoxyethoxy)ethanol	231.2	Nonazeotrope		575
10134	$C_9H_{10}O_2$	Benzyl acetate	215.6	Nonazeotrope?		563
10135	$C_9H_{10}O_2$	Ethyl benzoate	213	Nonazeotrope		563
10136	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	Nonazeotrope		575
10137	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		575
10138	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		544
10139	$C_{10}H_{16}O$	Camphor	209.1	211.5	52	551
10140	$C_{10}H_{18}O$	Borneol	215.0	Nonazeotrope		575
10141	$C_{10}H_{18}O$	Menthone	~ 207	~ 209.5		563
10142	$C_{10}H_{20}O$	Menthol	216.3	Nonazeotrope		575
10143	$C_{11}H_{24}O_2$	Diisoamyloxymethane	210.8	213.0	35	559
A =	**C_6H_4BrCl**	***p*-Bromochlorobenzene**	**196.4**			
10144	C_6H_6O	Phenol	182.2	181.0	38	562
10145	C_6H_7N	Aniline	184.35	Nonazeotrope		551
10146	$C_6H_{10}O_3$	Ethyl acetoacetate	180.4	Nonazeotrope		575
10147	$C_6H_{10}O_4$	Methyl succinate	195.5	< 191.3	>46	575
10148	$C_6H_{12}O_2$	Caproic acid	205.15	193.0	80	562
10149	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	Nonazeotrope		575
10150	C_7H_5N	Benzonitrile	191.1	< 190.5	<30	575
10151	C_7H_8O	Benzyl alcohol	205.25	194.0		575
10152	C_7H_8O	*o*-Cresol	191.1	189.0	47	562
10153	C_7H_8O	*p*-Cresol	201.7	194.5	75	562

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**C_6H_4BrCl**	***p*-Bromochlorobenzene** *(continued)*	**196.4**			
10154	C_7H_9N	*o*-Toluidine	200.35	194.6		575
10155	C_7H_9N	*p*-Toluidine	200.55	< 195.2	>68	575
10156	$C_7H_{12}O_4$	Ethyl malonate	199.35	< 193.5	>40	575
10157	C_8H_8O	Acetophenone	202.0	Nonazeotrope		552
10158	$C_8H_8O_2$	Methyl benzoate	199.4	Nonazeotrope		575
10159	$C_8H_{11}N$	Dimethylaniline	194.15	Nonazeotrope		575
10160	$C_8H_{16}O_3$	Isoamyl lactate	202.4	Nonazeotrope		575
10161	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	Nonazeotrope		575
10162	$C_9H_{12}O$	Benzyl ethyl ether	185.0	Nonazeotrope		559
10163	$C_9H_{12}O$	Phenyl propyl ether	190.5	Nonazeotrope		575
10164	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	Nonazeotrope		551
10165	$C_9H_{13}N$	*N,N*-Dimethyl-*p*-toluidine	210.2	Nonazeotrope		551
10166	$C_9H_{14}O$	Phorone	197.8	Nonazeotrope		552
10167	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope		575
A =	**$C_6H_4Br_2$**	***p*-Dibromobenzene**	**220.25**			
10168	$C_6H_4ClNO_2$	*m*-Chloronitrobenzene	235.5	Nonazeotrope		554
10169	$C_6H_4ClNO_2$	*p*-Chloronitrobenzene	239.1	Nonazeotrope		554
10170	C_6H_5ClO	*p*-Chlorophenol	219.75	215.05	65	574
10171	$C_6H_5NO_2$	Nitrobenzene	210.75	210.45	22.5	554
10172	$C_6H_5NO_3$	*o*-Nitrophenol	217.2	215.15	48	564
10173	C_6H_6O	Phenol	182.2	Nonazeotrope		535
10174	$C_6H_6O_2$	Pyrocatechol	245.9	218.15	90	538
10175	$C_6H_6O_2$	Resorcinol	281.4	Nonazeotrope		542
10176	$C_6H_{12}O_2$	Caproic acid	205.15	203.4	42	564
10177	$C_7H_5Cl_3$	α,α,α-Trichlorotoluene	220.9	219.6	72	549
10178	$C_7H_6O_2$	Benzoic acid	250.5	219.5	96.2	538
10179	C_7H_7BrO	*o*-Bromoanisole	217.7	< 217.4	<12	575
10180	$C_7H_7NO_2$	*m*-Nitrotoluene	230.8	Nonazeotrope		554
10181	$C_7H_7NO_2$	*o*-Nitrotoluene	221.75	218.0	73	554
10182	$C_7H_7NO_2$	*p*-Nitrotoluene	238.9	Nonazeotrope		554
10183	C_7H_8O	Benzyl alcohol	205.2	204.2	34.5	574
10184	C_7H_8O	*m*-Cresol	202.1	201.9	7	541
10185	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope		538
10186	C_7H_8O	*p*-Cresol	201.7	Nonazeotrope		542
10187	$C_7H_8O_2$	Guaiacol	205.05	Nonazeotrope		556
10188	$C_7H_8O_2$	*m*-Methoxyphenol	244	Nonazeotrope		535
10189	C_7H_9N	*m*-Toluidine	203.1	Nonazeotrope		551
10190	C_7H_9N	*o*-Toluidine	200.35	Nonazeotrope		551
10191	C_7H_9N	*p*-Toluidine	200.55	Nonazeotrope		551
10192	C_7H_9NO	*o*-Anisidine	219.0	217.5		575
10193	$C_7H_{14}O_2$	Enanthic acid	220.0	215.5	70	562
10194	$C_7H_{16}O_4$	2-[2-(2-Methoxyethoxy) ethoxy]ethanol	245.25	Nonazeotrope		575
10195	$C_8H_8O_2$	α-Toluic acid	266.5	Nonazeotrope		575
10196	$C_8H_8O_3$	Methyl salicylate	222.35	219.4	75	574
10197	C_8H_9BrO	*p*-Bromophenetole	234.5	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_6H_4Br_2$**	***p*-Dibromobenzene**	**220.25**			
		(continued)				
10198	$C_8H_{10}O$	3,4-Xylenol	226.8	218.65	75	550
10199	$C_8H_{10}O$	*p*-Ethylphenol	218.8	216.0	50	562
10200	$C_8H_{10}O$	Phenethyl alcohol	219.4	215.0	67.5	574
10201	$C_8H_{10}O$	2,4-Xylenol	210.5	209.8	10	575
10202	$C_8H_{10}O_2$	*m*-Dimethoxybenzene	214.7	Nonazeotrope		535
10203	$C_8H_{10}O_2$	*o*-Ethoxyphenol	216.5	214.0	32	575
10204	$C_8H_{10}O_2$	2-Phenoxyethanol	245.2	Nonazeotrope		575
10205	$C_8H_{11}N$	Ethylaniline	205.5	Nonazeotrope		551
10206	$C_8H_{11}N$	3,4-Xylidine	225.5	< 219.9	<89	575
10207	$C_8H_{11}NO$	*o*-Phenetidine	232.5	Nonazeotrope		548
10208	$C_8H_{12}O_4$	Ethyl fumarate	217.85	< 216.5	<47	575
10209	$C_8H_{14}O_4$	Ethyl succinate	217.25	< 215.0	>25	547
10210	$C_8H_{14}O_4$	Propyl oxalate	214	< 213	<32	575
10211	$C_8H_{16}O_2$	Caprylic acid	237.5	218.8	~ 90	541
10212	$C_8H_{18}O$	Octyl alcohol	195.2	Nonazeotrope		575
10213	$C_8H_{18}O_3$	2-(2-Butoxyethoxy)ethanol	231.2	Nonazeotrope		575
10214	C_9H_7N	Quinoline	237.3	Nonazeotrope		553
10215	$C_9H_{10}O$	*p*-Methylacetophenone	226.35	220.15	95	552
10216	$C_9H_{10}O$	Propiophenone	217.7	Nonazeotrope		552
10217	$C_9H_{10}O_2$	Benzyl acetate	214.9	Nonazeotrope		538
10218	$C_9H_{10}O_2$	Ethyl benzoate	212.6	Nonazeotrope		535
10219	$C_9H_{10}O_3$	Ethyl salicylate	234.0	Nonazeotrope		548
10220	$C_9H_{12}O$	3-Phenylpropanol	220.25	< 219.9	>85	575
10221	$C_9H_{13}N$	*N,N*-Dimethyl-*p*-toluidine	210.2	Nonazeotrope		551
10222	$C_9H_{18}O_2$	Pelargonic acid	254.0	Nonazeotrope		575
10223	$C_{10}H_8$	Naphthalene	218.05	Nonazeotrope		574
10224	$C_{10}H_{12}O$	Estragole	215.6	Nonazeotrope		535
10225	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.75	Nonazeotrope		547
10226	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	Nonazeotrope		575
10227	$C_{10}H_{14}O$	Carvacrol	237.85	Nonazeotrope		575
10228	$C_{10}H_{14}O$	Carvone	231.0	Nonazeotrope		552
10229	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		542
10230	$C_{10}H_{14}O_2$	*m*-Diethoxybenzene	235.0	Nonazeotrope		559
10231	$C_{10}H_{15}N$	Diethylaniline	217.05	Nonazeotrope		551
10232	$C_{10}H_{16}O$	Pulegone	223.8	Nonazeotrope		552
10233	$C_{10}H_{18}O$	Borneol	213.4	213.3	~ 18	535
10234	$C_{10}H_{18}O$	Geraniol	229.6	220.2	97	535
10235	$C_{10}H_{18}O$	α-Terpineol	217.8	Reacts		535
10236	$C_{10}H_{20}O$	Citronellol	224.5	Nonazeotrope		535
		"	224.5	218.5		533
10237	$C_{10}H_{20}O$	Menthol	216.4	215.4	43	574
10238	$C_{10}H_{20}O_2$	Methyl pelargonate	213.8	Nonazeotrope		575
10239	$C_{10}H_{22}O$	Decyl alcohol	~ 232.9	220.2	98	535
10240	$C_{11}H_{16}O$	Methyl thymol ether	216.5	Nonazeotrope		559
10241	$C_{11}H_{20}O$	Terpineol methyl ether	216.3	Nonazeotrope		548

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_6H_4Br_2$**	***p*-Dibromobenzene** *(continued)*	**220.25**			
10242	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	Nonazeotrope		547
10243	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		575
10244	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope		538
A =	**$C_6H_4ClNO_2$**	***m*-Chloronitrobenzene**	**235.5**			
10245	$C_6H_6O_2$	Pyrocatechol	245.9	Nonazeotrope		554
10246	$C_6H_{14}O_3$	Dipropylene glycol	229.2	< 227.0		554
10247	$C_7H_5Cl_3$	α,α,α-Trichlorotoluene	220.8	Nonazeotrope		554
10248	$C_7H_7NO_2$	*m*-Nitrotoluene	230.8	Nonazeotrope		554
10249	$C_7H_7NO_2$	*p*-Nitrotoluene	238.9	Nonazeotrope		575
10250	C_7H_9NO	*o*-Anisidine	219.0	Nonazeotrope		575
10251	$C_7H_{14}O_2$	Enanthic acid	222.0	< 221.5		554
10252	$C_8H_8O_3$	Methyl salicylate	222.95	Nonazeotrope		554
10253	$C_8H_{10}O$	*p*-Ethylphenol	220.0	Nonazeotrope		554
10254	$C_8H_{10}O$	3,4-Xylenol	226.8	Nonazeotrope		554
10255	$C_8H_{11}NO$	*o*-Phenetidine	232.5	Nonazeotrope		551
10256	$C_8H_{11}NO$	*p*-Phenetidine	249.9	Nonazeotrope		551
10257	C_9H_7N	Quinoline	237.3	Nonazeotrope		554
10258	$C_9H_{10}O$	*p*-Methylacetophenone	226.35	Nonazeotrope		575
10259	$C_9H_{10}O$	Cinnamyl alcohol	257.0	Nonazeotrope		554
10260	$C_9H_{10}O_3$	Ethyl salicylate	233.8	Nonazeotrope		554
10261	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		554
10262	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	Nonazeotrope		554
10263	$C_{10}H_{14}O$	Carvacrol	237.85	< 235.4		554
10264	$C_{10}H_{14}O$	Carvone	231.0	Nonazeotrope		575
10265	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		554
10266	$C_{10}H_{22}S$	Isoamyl sulfide	214.3	Nonazeotrope		575
10267	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	Nonazeotrope		554
10268	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	< 231.8		554
10269	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope		557
A =	**$C_6H_4ClNO_2$**	***o*-Chloronitrobenzene**	**246.0**			
10270	$C_6H_6O_2$	Pyrocatechol	245.9	243.5		554
10271	$C_6H_6O_2$	Resorcinol	281.4	Nonazeotrope		554
10272	$C_6H_{14}O_4$	Triethylene glycol	288.7	Nonazeotrope		554
10273	$C_7H_6O_2$	Benzoic acid	250.8	243.0	67	554
10274	$C_7H_7NO_2$	*p*-Nitrotoluene	238.9	Nonazeotrope		544
10275	C_7H_8O	*m*-Cresol	202.2	Nonazeotrope		554
10276	$C_7H_{14}O_2$	Enanthic acid	222.0	Nonazeotrope		554
10277	$C_8H_{11}NO$	*o*-Phenetidine	232.5	Nonazeotrope		551
10278	$C_8H_{11}NO$	*p*-Phenetidine	249.9	Nonazeotrope		551
10279	C_9H_7N	Quinoline	237.3	Nonazeotrope		553
10280	$C_{10}H_7Cl$	1-Chloronaphthalene	262.7	Nonazeotrope		554
10281	$C_{10}H_{10}O_2$	Isosafrole	252.0	Nonazeotrope		554
10282	$C_{10}H_{10}O_2$	Safrole	235.9	Nonazeotrope		554
10283	$C_{10}H_{14}O$	Carvacrol	237.85	Nonazeotrope		554
10284	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		554

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_6H_4ClNO_2$**	***o*-Chloronitrobenzene** *(continued)*	**246.0**			
10285	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		554
10286	$C_{11}H_{14}O_2$	Butyl benzoate	249.5	Nonazeotrope		554
10287	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	Nonazeotrope		554
10288	$C_{12}H_{16}O_3$	Isoamyl salicylate	277.5	Nonazeotrope		554
A =	**$C_6H_4ClNO_2$**	***p*-Chloronitrobenzene**	**239.1**			
10289	$C_6H_6O_2$	Pyrocatechol	247.9	238.6	82.5	554
10290	$C_6H_6O_2$	Resorcinol	281.4	Nonazeotrope		554
10291	$C_6H_{14}O_3$	Dipropylene glycol	229.2	< 228.3	<89	554
10292	$C_7H_6O_2$	Benzoic acid	250.8	237.75	84	554
10293	$C_7H_7NO_2$	*p*-Nitrotoluene	238.9	238.85	33	554
10294	C_7H_8O	Benzyl alcohol	205.25	Nonazeotrope		
10295	$C_7H_{16}O_4$	2-[2-(2-Methoxyethoxy) ethoxy]ethanol	245.25	< 234.0		554
10296	$C_8H_8O_2$	Anisaldehyde	249.5	Nonazeotrope		575
10297	$C_8H_{10}O$	3,4-Xylenol	226.8	Nonazeotrope		554
10298	$C_8H_{11}NO$	***o*-Phenetidine**	232.5	Nonazeotrope		551
10299	$C_8H_{11}NO$	***p*-Phenetidine**	249.9	Nonazeotrope		551
10300	$C_8H_{16}O_2$	Caprylic acid	238.5	< 235.5		551
10301	C_9H_7N	Quinoline	237.3	Nonazeotrope		553
10302	C_9H_8O	Cinnamyl aldehyde	253.5	Nonazeotrope		554
10303	$C_9H_{10}O$	Cinnamyl alcohol	257.0	Nonazeotrope		554
10304	$C_9H_{10}O_3$	Ethyl salicylate	233.8	Nonazeotrope		543
10305	$C_{10}H_9N$	Quinaldine	246.5	Nonazeotrope		554
10306	$C_{10}H_{10}O_2$	Safrole	235.9	Nonazeotrope		554
10307	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.75	Nonazeotrope		554
10308	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	Nonazeotrope		553
10309	$C_{10}H_{14}O$	Carvacrol	237.85	237.4		554
10310	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		575
10311	$C_{10}H_{14}O$	Carvone	231.0	Nonazeotrope		554
10312	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	Nonazeotrope		527
10313	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		554
10314	$C_{11}H_{14}O_2$	Butyl benzoate	249.5	Nonazeotrope		554
10315	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	Nonazeotrope		554
10316	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	232.1	5?	554
10317	$C_{12}H_{10}$	Biphenyl	256.1	Nonazeotrope		554
10318	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope		554
A =	**$C_6H_4Cl_2$**	***o*-Dichlorobenzene**	**179.5**			
10319	C_6H_5Br	Bromobenzene	156.1	Nonazeotrope		575
10320	C_6H_5ClO	*o*-Chlorophenol	176.8	173.6	52	562
10321	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope		554
10322	C_6H_6O	Phenol	182.2	173.7	65	562
10323	C_6H_7N	Aniline	184.35	177.4	70	551
10324	$C_6H_8O_4$	Methyl fumarate	193.25	Nonazeotrope		527
10325	$C_6H_{10}O_3$	Ethyl acetoacetate	180.4	175.5	58	552
10326	$C_6H_{10}O_4$	Ethylidene diacetate	168.5	Nonazeotrope		527
10327	$C_6H_{10}O_4$	Ethyl oxalate	185.65	< 178.2	<82	575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	$C_6H_4Cl_2$	*o*-Dichlorobenzene *(continued)*	179.5			
10328	$C_6H_{12}O$	Cyclohexanol	160.8	Nonazeotrope		575
10329	$C_6H_{12}O_2$	Caproic acid	205.15	179.0	92	564
10330	$C_6H_{12}O_2$	Isocaproic acid	199.5	178.5	94	575
10331	$C_6H_{14}O$	Hexyl alcohol	157.85	Nonazeotrope		575
10332	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	170.0	27	556
10333	C_7H_6O	Benzaldehyde	179.2	< 178.5	>48	575
10334	C_7H_8O	Benzyl alcohol	205.25	Nonazeotrope		575
10335	C_7H_8O	*m*-Cresol	202.2	Nonazeotrope		575
10336	C_7H_8O	*o*-Cresol	191.1	179.1	85	575
10337	C_7H_8O	*p*-Cresol	201.7	Nonazeotrope		575
10338	C_7H_9N	Methylaniline	196.25	Nonazeotrope		551
10339	$C_7H_{14}O_2$	Isoamyl acetate	142.1	Nonazeotrope		575
10340	$C_7H_{14}O_2$	1,3-Butanediol methyl ether acetate	171.75	Nonazeotrope		575
10341	$C_7H_{16}O$	Heptyl alcohol	176.15	173.5	45	567
10342	$C_8H_8O_2$	Phenyl acetate	195.7	Nonazeotrope		575
10343	$C_8H_{10}O$	*p*-Methylanisole	177.05	179.6	~ 5	559
10344	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope		559
10345	$C_8H_{11}N$	Dimethylaniline	194.15	Nonazeotrope		551
10346	$C_8H_{12}N_2O_2$	Hexamethylene diisocyanate 40 mm.	163.2	Nonazeotrope		413
10347	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope		575
10348	$C_8H_{18}O$	Octyl alcohol	195.2	Nonazeotrope		575
10349	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	177.7	58	567
10350	$C_8H_{20}SiO_4$	Ethyl silicate	168.8	Nonazeotrope		575
10351	$C_9H_6O_2N_2$	2,4-Tolylene diisocyanate, 15 mm.	128.7	Nonazeotrope		413
10352	C_9H_8	Indene	182.6	> 183.0		575
10353	C_9H_{12}	Pseudocumene	168.2	Nonazeotrope		575
10354	$C_9H_{12}O$	Benzyl ethyl ether	185.0	Nonazeotrope		559
10355	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	Nonazeotrope		551
10356	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	Nonazeotrope		575
10357	$C_{10}H_{16}$	Dipentene	177.7	177.5	> 20	575
10358	$C_{10}H_{16}$	Nopinene	163.8	Nonazeotrope		575
10359	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope		575
10360	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope		559
10361	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		575
10362	$C_{10}H_{19}N$	Bornylamine	199.8	Nonazeotrope		575
10363	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope		575
10364	$C_{10}H_{22}O$	Amyl ether	187.5	Nonazeotrope		559
10365	$C_{10}H_{22}O$	Isoamyl ether	173.2	Nonazeotrope		559
10366	$C_{15}H_{10}O_2N_2$	Di-*p*-isocyanatodiphenylmethane, 5 mm.	192.0	Nonazeotrope		413

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	$C_6H_4Cl_2$	***p*-Dichlorobenzene**	**174.4**			
10367	C_6H_5BrO	***o*-Bromophenol**	**195.0**	Nonazeotrope		575
10368	C_6H_5ClO	***o*-Chlorophenol**	**176.8**	171.0	65	562
10369	C_6H_6O	Phenol	182.2	171.05	74.8	555
10370	C_6H_6S	**Benzenethiol**	**169.5**	< 168.2	<29	575
10371	C_6H_7N	**Aniline**	**184.35**	173.95	88	551
10372	$C_6H_{10}O_3$	Ethyl acetoacetate	180.4	172.65	71	552
10373	$C_6H_{10}O_4$	Ethyl oxalate	185.65	174.25?	~ 5	535
10374	$C_6H_{12}O$	Cyclohexanol	160.8	160.2		571
10375	$C_6H_{12}O_2$	Caproic acid	205.2	Nonazeotrope		541
10376	$C_6H_{12}O_2$	Isocaproic acid	199.5	174.2	98	575
10377	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope		526
10378	$C_6H_{12}O_3$	Propyl lactate	171.7	< 170.0	<38	567
10379	$C_6H_{14}O$	Hexyl alcohol	157.85	157.65		571
10380	$C_6H_{14}O_2$	2-Butoxyethanol	171.2	168.3	48	527
10381	$C_6H_{14}O_2$	Pinacol	174.35	< 167.0	<70	567
10382	C_7H_5N	Benzonitrile	191.1	Nonazeotrope		565
10383	C_7H_6O	Benzaldehyde	179.2	174.1	83	536
10384	C_7H_8O	Benzyl alcohol	205.2	Nonazeotrope		535
10385	C_7H_8O	***o*-Cresol**	**191.1**	Nonazeotrope		536
10386	C_7H_8O	***p*-Cresol**	**201.7**	Nonazeotrope		542
10387	C_7H_9N	Methylaniline	196.25	Nonazeotrope		551
10388	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	167.3	43	567
10389	$C_7H_{14}O_3$	Isobutyl lactate	182.15	Nonazeotrope		538
10390	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	Nonazeotrope		527,556
10391	$C_7H_{16}O$	Heptyl alcohol	176.15	171.2	65	567
10392	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope		559
10393	$C_8H_{10}O$	***p*-Methylanisole**	**177.65**	Nonazeotrope		559
		"	177.05	177.07	~ 6	541
10394	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope		538
10395	$C_8H_{11}N$	Dimethylaniline	194.15	Nonazeotrope		551
10396	$C_8H_{14}O$	Methylheptenone	173.2	Nonazeotrope		552
10397	$C_8H_{16}O$	2-Octanone	172.85	Nonazeotrope		552
10398	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope		547
10399	$C_8H_{16}O_2$	Ethyl caproate	167.7	Nonazeotrope		575
10400	$C_8H_{16}O_2$	Hexyl acetate	171.5	171.4		547
10401	$C_8H_{16}O_2$	Isoamyl propionate	164.4	Nonazeotrope		547
10402	$C_8H_{18}O$	***n*-Octyl alcohol**	**195.15**	Nonazeotrope		530
10403	$C_8H_{18}O$	***sec*-Octyl alcohol**	**180.4**	173.85	78	564
10404	$C_8H_{18}O_3$	Bis(2-ethoxyethyl) ether	186.0	Nonazeotrope		575
10405	$C_8H_{18}S$	Butyl sulfide	185.0	Nonazeotrope		575
10406	$C_8H_{18}S$	Isobutyl sulfide	172.0	< 171.0	<42	566
10407	$C_8H_{20}SiO_4$	Ethyl silicate	168.8	Nonazeotrope		564
10408	C_9H_8	Indene	183.0	Nonazeotrope		541
10409	C_9H_{12}	Cumene	152.8	Nonazeotrope		575
10410	C_9H_{12}	Mesitylene	164.6	Nonazeotrope		575
10411	C_9H_{12}	Pseudocumene	168.2	Nonazeotrope		541

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_6H_4Cl_2$**	***p*-Dichlorobenzene** *(continued)*	**174.4**				
10412	$C_9H_{12}O$	Benzyl ethyl ether	185.0	Nonazeotrope			559
10413	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	Nonazeotrope			551
10414	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	Nonazeotrope			552
10415	$C_9H_{18}O_2$	Isoamyl butyrate	178.5	Nonazeotrope			547
10416	$C_9H_{18}O_2$	Isoamyl isobutyrate	170.0	Nonazeotrope			545
10417	$C_9H_{18}O_2$	Isobutyl isovalerate	171.4	Nonazeotrope			538
10418	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	Nonazeotrope			547
10419	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope			575
10420	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope			575
10421	$C_{10}H_{16}$	Camphene	159.6	Nonazeotrope			538
10422	$C_{10}H_{16}$	*d*-Limonene	177.8	174.2	86		530
10423	$C_{10}H_{16}$	Nopinene	163.8	Nonazeotrope			575
10424	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope			538
10425	$C_{10}H_{16}$	α-Terpinene	173.4	173.15	50		527
10426	$C_{10}H_{16}$	γ-Terpinene	183	Nonazeotrope			575
10427	$C_{10}H_{16}$	Terpinene	181.5	Nonazeotrope			538
10428	$C_{10}H_{16}$	Terpinolene	184.6	Nonazeotrope			575
10429	$C_{10}H_{16}$	Thymene	179.7	Nonazeotrope			535
10430	$C_{10}H_{18}O$	Cineole	176.4	174.1	~ 80		559
10431	$C_{10}H_{22}O$	Amyl ether	187.5	Nonazeotrope			559
10432	$C_{10}H_{22}O$	Isoamyl ether	172.6	172.1	36.5		555
A =	**C_6H_5Br**	**Bromobenzene**	**156.1**				
10433	C_6H_5Cl	Chlorobenzene	132	Nonazeotrope			563
10434	C_6H_5ClO	*o*-Chlorophenol	176.8	Nonazeotrope			575
10435	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope			554
10436	C_6H_6O	Phenol	182.2	Nonazeotrope			542
10437	C_6H_7N	Aniline	184.35	Nonazeotrope			551
10438	$C_6H_{10}O$	Cyclohexanone	155.7	Nonazeotrope			552
10439	$C_6H_{10}O_3$	Ethyl acetoacetate	156.1	Nonazeotrope			552
10440	$C_6H_{10}O_4$	Ethylidene diacetate	168.5	155.95	92.5		527
10441	$C_6H_{10}O_4$	Ethyl oxalate	185.65	Nonazeotrope			527
10442	$C_6H_{10}S$	Allyl sulfide	139.35	Nonazeotrope			566
10443	$C_6H_{11}ClO_2$	Isobutyl chloroacetate	174.5	Nonazeotrope			575
10444	$C_6H_{12}O$	Cyclohexanol	160.65	153.6	66.5		563
		" 250 mm.	127.0	113.6	85.5	v-l	930
		" 500 mm.	144.4	136.8	81.5	v-l	930
		" 730 mm.	158.6	150.6	74.8	v-l	930
10445	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	155.45	63		556
10446	$C_6H_{13}ClO_2$	Chloroacetal	156.8	~ 156			563
10447	$C_6H_{14}O$	Hexyl alcohol	157.95	151.6	66		538
10448	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	155.85	93.5		556
10449	$C_6H_{14}O_2$	Pinacol	174.3	153.2	~ 85		532
		"	171.5	152	~ 86		563
10450	$C_6H_{14}S$	Propyl sulfide	141.5	Nonazeotrope			575
10451	C_7H_7Cl	*o*-Chlorotoluene	159.2	Nonazeotrope			549
10452	C_7H_8	Toluene	110.7	Nonazeotrope			563
10453	C_7H_8O	Anisole	153.85	Nonazeotrope			563

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**C_6H_5Br**	**Bromobenzene** *(continued)*	**156.1**			
10454	C_7H_8O	*o*-Cresol	190.8	Nonazeotrope		563
10455	$C_7H_{14}O_2$	Ethyl valerate	145.45	Nonazeotrope		575
10456	$C_7H_{14}O_2$	Isoamyl acetate	142.1	Nonazeotrope		547
10457	$C_7H_{14}O_2$	Methyl caproate	151.0	Nonazeotrope		547
10458	$C_7H_{14}O_2$	Propyl butyrate	143.7	Nonazeotrope		547
10459	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	Nonazeotrope		575
10460	$C_7H_{16}O$	Heptyl alcohol	176.15	Nonazeotrope		575
10461	$C_7H_{16}O_3$	Ethyl orthoformate	145.75	Nonazeotrope		559
10462	C_8H_8	Styrene	145.8	Nonazeotrope		535
10463	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope		563
10464	C_8H_{10}	***m*-Xylene**	**139**	Nonazeotrope		527,563
10465	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope		559
10466	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope		547
10467	$C_8H_{16}O_2$	Isoamyl propionate	~ 160.3	~ 155.2	~ 73	563
10468	$C_8H_{16}O_2$	Isobutyl butyrate	156.8	155.2		545
10469	$C_8H_{16}O_2$	Isobutyl isobutyrate	147.3	Nonazeotrope		573
10470	$C_8H_{16}O_2$	Propyl isovalerate	155.7	154.5	57	573
10471	$C_8H_{18}O$	Butyl ether	142.4	Nonazeotrope		559
10472	$C_8H_{18}O$	***sec*-Octyl alcohol**	**178.7**	Nonazeotrope		563
10473	$C_8H_{20}SiO_4$	Ethyl silicate	168.8	Nonazeotrope		575
10474	C_9H_{12}	Cumene	152.8	Nonazeotrope		575
10475	C_9H_{12}	Mesitylene	164.0	Nonazeotrope		563
10476	C_9H_{12}	Propylbenzene	159.3	Nonazeotrope		575
10477	$C_9H_{18}O_2$	Isobutyl isovalerate	171.35	Nonazeotrope		541
10478	$C_{10}H_{16}$	Camphene	159.5	155.0	~ 56	528
10479	$C_{10}H_{16}$	Nopinene	163.8	< 155.9	>72	575
10480	$C_{10}H_{16}$	α-Pinene	155.8	153.4	50	563
10481	$C_{10}H_{22}$	2,7-Dimethyloctane	160.25	155.9	~ 87	563
A =	**C_6H_5BrO**	***o*-Bromophenol**	**195.0**			
10482	$C_6H_5NO_3$	*o*-Nitrophenol	217.2	Nonazeotrope		575
10483	C_7H_7Br	*p*-Bromotoluene	185.0	183.8	20	575
10484	C_7H_7ClO	*p*-Chloroanisole	197.8	Nonazeotrope		575
10485	C_7H_8O	*o*-Cresol	191.1	189.8	25	575
10486	C_7H_8O	*p*-Cresol	201.7	194.0	20	575
10487	C_8H_8O	Acetophenone	202.0	212.5	52	575
10488	$C_8H_8O_2$	Methyl benzoate	199.4	206.2	42	562
10489	$C_8H_8O_2$	Phenyl acetate	195.7	205.0	50	562
10490	$C_8H_{16}O$	2-Octanone	172.85	198.5		575
10491	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope		575
10492	$C_8H_{18}O$	Octyl alcohol	195.2	204.0	50	575
10493	$C_8H_{18}O$	***sec*-Octyl alcohol**	**180.8**	Nonazeotrope		575
10494	$C_8H_{18}S$	Butyl sulfide	185.0	Nonazeotrope		575
10495	C_9H_8	Indene	182.6	Nonazeotrope		575
10496	$C_9H_{10}O_2$	Ethyl benzoate	212.5	214.2	15?	575
10497	$C_9H_{12}O$	Benzyl ethyl ether	185.0	Nonazeotrope		575
10498	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	197.5	72	575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_6H_5BrO**	***o*-Bromophenol** *(continued)*	**195.0**				
10499	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.75	Nonazeotrope			575
10500	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	Nonazeotrope			575
10501	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope			575
10502	$C_{10}H_{16}O$	Camphor	209.1	216.5	40		575
10503	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	203.0	54		83
10504	$C_{10}H_{22}O$	Isoamyl ether	173.2	Nonazeotrope			575
10505	$C_{10}H_{22}S$	Isoamyl sulfide	214.8	Nonazeotrope			575
10506	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	< 192.2	<25		575
10507	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope			575
A =	**C_6H_5Cl**	**Chlorobenzene**	**131.75**				
10508	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope			554
10509	C_6H_6	Benzene	80.2	Nonazeotrope			563
10510	C_6H_6O	Phenol	181.5	Nonazeotrope			563
10511	C_6H_7N	Aniline, 95-380 mm.		Nonazeotrope		v-l	176
		"	184.35	Nonazeotrope			551
10512	$C_6H_{10}O$	Cyclohexanone	155.7	Nonazeotrope			552
10513	$C_6H_{10}O$	Mesityl oxide	129.45	Nonazeotrope			527
10514	$C_6H_{10}S$	Allyl sulfide	139.35	Nonazeotrope			566
10515	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope			575
10516	$C_6H_{12}O_2$	Butyl acetate	124.8	Nonazeotrope			527
10517	$C_6H_{12}O_2$	Ethyl butyrate	121.5	Nonazeotrope			575
10518	$C_6H_{12}O_3$	Paraldehyde	124	Nonazeotrope			563
10519	C_6H_{14}	***n*-Hexane**	68.95	Nonazeotrope			163
10520	$C_6H_{14}O$	Hexyl alcohol	157.85	Nonazeotrope			575
10521	$C_6H_{14}O_2$	2-Butoxyethanol	171.25	Nonazeotrope			526
10522	$C_6H_{14}O_2$	Pinacol	174.35	Nonazeotrope			575
10523	$C_6H_{14}S$	Propyl sulfide	141.5	Nonazeotrope			575
10524	C_7H_8	Toluene	110.7	Nonazeotrope			563
10525	C_7H_{14}	Methylcyclohexane	101.15	Nonazeotrope			575
10526	$C_7H_{14}O$	4-Heptanone	143.55	Nonazeotrope			552
10527	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	Nonazeotrope			547
10528	$C_7H_{14}O_2$	Isoamyl acetate	~ 138.8	Nonazeotrope			563
10529	$C_7H_{14}O_2$	Isobutyl propionate	136.9	Nonazeotrope			547
10530	$C_7H_{14}O_2$	Propyl butyrate	143	Nonazeotrope			563
10531	C_7H_{16}	Heptane	98.4	Nonazeotrope			527
10532	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			563
10533	C_8H_{10}	***m*-Xylene**	139.0	Nonazeotrope			527
10534	C_8H_{10}	***p*-Xylene**	138.2	Nonazeotrope			563
10535	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	Nonazeotrope			575
10536	C_8H_{18}	Octane	125.8	Nonazeotrope			563
10537	$C_8H_{18}O$	Butyl ether	142.2	Nonazeotrope			548
10538	$C_8H_{18}O$	Isobutyl ether	122.3	Nonazeotrope			559
10539	$C_9H_6N_2O_2$	2,4-Tolylene diisocyanate, 40 mm.		Nonazeotrope		v-l	327

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**C_6H_5ClO**	***o*-Chlorophenol**	**176.8**			
10540	C_6H_5I	Iodobenzene	188.45	< 176.0	<78	575
10541	C_6H_6O	Phenol	182.2	174.5	75	562
		"	181.9		94.5	215
10542	C_6H_7N	Aniline	184.35	Nonazeotrope		563
10543	C_6H_7N	3-Picoline	144	178-184		810
10544	C_6H_7N	4-Picoline	145	178-184		810
10545	$C_6H_{12}O$	Cyclohexanol	160.8	Nonazeotrope		575
10546	$C_6H_{13}ClO_2$	Chloroacetal	157.4	Nonazeotrope		575
10547	C_7H_7Br	α-Bromotoluene	~ 198.5	Reacts		563
10548	C_7H_7Br	***o*-Bromotoluene**	**181.75**	171.5	~ 68	563
10549	C_7H_7Br	***p*-Bromotoluene**	**185.0**	< 175.5	>64	562
10550	**C_7H_7Cl**	α-Chlorotoluene	179.35	Reacts		563
10551	C_7H_7ClO	***o*-Chloroanisole**	**195.7**	Nonazeotrope		575
10552	C_7H_8O	***o*-Cresol**	**191.1**	Nonazeotrope		575
10553	C_7H_9N	2,6-Lutidine	144	178-184		810
10554	$C_7H_{14}O_2$	Isoamyl acetate	142.1	Nonazeotrope		575
10555	C_8H_8O	Acetophenone	202.0	> 204.5		575
10556	$C_8H_8O_2$	Benzyl formate	203.0	Nonazeotrope		575
10557	$C_8H_8O_2$	Phenyl acetate	195.7	197.0	12	575
10558	**$C_8H_{10}O$**	Phenetole	170.45	Nonazeotrope		575
10559	$C_8H_{16}O$	2-Octanone	173	177	~ 75	563
10560	$C_8H_{18}O$	Octyl alcohol	195.2	Nonazeotrope		575
10561	$C_8H_{18}O$	***sec*-Octyl alcohol**	**180.4**	183.5	25	575
10562	$C_8H_{18}S$	Butyl sulfide	185.0	175.0	82	566
10563	$C_8H_{18}S$	Isobutyl sulfide	172.0	169.5		566
10564	C_9H_8	Indene	182.4	Min. b.p.		276
10565	$C_9H_{10}O_2$	Ethyl benzoate	212.5	Nonazeotrope		575
10566	C_9H_{12}	Mesitylene	164.6	Nonazeotrope		575
10567	C_9H_{12}	Propylbenzene	159.3	Nonazeotrope		575
10568	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	188.0	38	562
10569	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	182.8	57	562
10570	$C_{10}H_{14}$	Cymene	175.3	173.5	~ 50	563
10571	$C_{10}H_{16}$	***d*-Limonene**	**177.8**	< 175		563
10572	$C_{10}H_{16}$	α-Pinene	155.8	< 155.2	> 5	575
10573	$C_{10}H_{16}$	α-Terpinene	173.4	< 169.5	>28	575
10574	$C_{10}H_{22}O$	Isoamyl ether	173.2	171.0	30	575
A =	**C_6H_5ClO**	***p*-Chlorophenol**	**219.75**			
10575	$C_6H_5NO_2$	Nitrobenzene	210.75	219.9	8	554
10576	$C_6H_5NO_3$	***o*-Nitrophenol**	**217.2**	< 217.05	> 7	575
10577	$C_6H_8O_4$	Methyl fumarate	193.25	> 221.0	<92	575
10578	$C_6H_8O_4$	Methyl maleate	204.05	223.0	68	562
10579	$C_6H_{10}O_4$	Ethyl oxalate	185.65	> 221.5	>88	575
10580	$C_6H_{10}O_4$	Methyl succinate	195.5	222.5	<90	548
10581	$C_7H_5Cl_3$	α,α,α-Trichlorotoluene	220.9	Reacts		535
10582	$C_7H_6Cl_2$	α,α-Dichlorotoluene	205.1	Reacts		563
10583	C_7H_7BrO	***o*-Bromoanisole**	**217.7**	Nonazeotrope		575
10584	C_7H_7I	***p*-Iodotoluene**	**214.5**	212.0	22	562

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	C_6H_5ClO	*p*-Chlorophenol *(continued)*	219.75			
10585	$C_7H_7NO_2$	*m*-Nitrotoluene	230.8	Nonazeotrope		554
10586	$C_7H_7NO_2$	*o*-Nitrotoluene	221.75	223.2	43	554
10587	C_7H_8O	Benzyl alcohol	205.2	Nonazeotrope		575
10588	C_7H_8O	*p*-Cresol	201.7	Nonazeotrope		575
10589	$C_7H_8O_2$	*m*-Methoxyphenol	243.8	Nonazeotrope		575
10590	$C_7H_8O_2$	Guaiacol	205.05	Nonazeotrope		535
10591	C_8H_8O	Acetophenone	202.0	224.5	85	575
10592	$C_8H_8O_2$	Benzyl formate	202.3	221.4	75	548
10593	$C_8H_8O_2$	Methyl benzoate	199.45	220.75	79	536
10594	$C_8H_8O_2$	Phenyl acetate	195.7	220.2	~ 90	548
10595	C_8H_9BrO	*p*-Bromophenetole	234.2	Nonazeotrope		575
10596	$C_8H_{10}O$	Phenethyl alcohol	219.4	227.7	52.5	574
10597	$C_8H_{10}O$	2,4-Xylenol	210.5	< 210.0		575
10598	$C_8H_{10}O$	3,4-Xylenol	226.8	219.0	89	575
10599	$C_8H_{10}O_2$	Veratrol	206.8	Nonazeotrope		575
10600	$C_8H_{10}O_2$	*m*-Dimethoxybenzene	214.7	Nonazeotrope		575
10601	$C_8H_{10}O_2$	*o*-Ethoxyphenol	216.5	222.0	70	575
10602	$C_8H_{12}O_4$	Ethyl fumarate	217.85	> 230.5	<54	575
10603	$C_8H_{12}O_4$	Ethyl maleate	223.3	232.5	53	562
10604	$C_8H_{14}O_4$	Ethyl succinate	217.25	~ 231.8		529
10605	$C_8H_{18}O$	Octyl alcohol	195.15	Nonazeotrope		535
10606	$C_9H_{10}O$	*p*-Methylacetophenone	226.35	235.4	52	552
10607	$C_9H_{10}O$	Propiophenone	217.7	230.2		552
10608	$C_9H_{10}O_2$	Benzyl acetate	214.9	226.5	~ 55	529
10609	$C_9H_{10}O_2$	Ethyl benzoate	212.6	224.9	60	574
10610	$C_9H_{12}O$	Mesitol	220.5	217.2	58	562
10611	$C_9H_{12}O$	3-Phenylpropanol	235.6	Nonazeotrope		538
10612	$C_9H_{18}O_2$	Ethyl enanthate	188.7	Nonazeotrope		575
10613	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	> 220.5		575
10614	$C_{10}H_8$	Naphthalene	218.05	216.3	36.5	574
10615	$C_{10}H_{10}O_2$	Methyl cinnamate	261.9	Nonazeotrope		575
10616	$C_{10}H_{10}O_2$	Safrole	235.9	Nonazeotrope		575
10617	$C_{10}H_{12}O$	Anethole	235.7	Nonazeotrope		575
10618	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.75	233.0	27	535
10619	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	234.5	25	548
10620	$C_{10}H_{14}O$	Carvone	231.0	238.2	<45	552
10621	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		575
10622	$C_{10}H_{14}O_2$	*m*-Diethoxybenzene	235.4	Nonazeotrope		575
10623	$C_{10}H_{16}O$	Camphor	209.1	227.5	>75	552
10624	$C_{10}H_{17}Cl$	Bornyl chloride	~ 210	~ 206.5		563
10625	$C_{10}H_{18}O$	Borneol	213.2	222.5	52.5	529
10626	$C_{10}H_{18}O$	Geraniol	229.7	~ 230.7	~ 10	538
10627	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		535
10628	$C_{10}H_{18}O$	α-Terpineol	217.4	225.7	49.8	529
10629	$C_{10}H_{18}O$	β-Terpineol	210.5	Nonazeotrope		575
10630	$C_{10}H_{20}O$	Citronellol	224	~ 227.5	~ 30	535
10631	$C_{10}H_{20}O$	Menthol	216.4	223.5	57.5	529

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_6H_5ClO**	***p*-Chlorophenol** ***(continued)***	**219.75**				
10632	$C_{10}H_{20}O_2$	Ethyl caprylate	208.35	223.2	65		562
10633	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope?			548
10634	$C_{10}H_{22}S$	Isoamyl sulfide	214.8	212.5	28		566
10635	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope			575
10636	$C_{11}H_{14}O_2$	Butyl benzoate	249.5	Nonazeotrope			548
10637	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	242.7	7		548
10638	$C_{11}H_{20}O$	Methyl α-terpineol ether	216.2	< 215.9	<15		575
10639	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	235.3	22		548
10640	$C_{12}H_{10}$	Biphenyl	256.1	Nonazeotrope			575
10641	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.4	214.7	18		548
10642	$C_{12}H_{20}O_2$	Bornyl acetate	227.7	232.7	28		529
10643	$C_{13}H_{28}$	Tridecane	234.0	Nonazeotrope			575
A =	**$C_6H_5Cl_3Si$**	**Phenyltrichlorosilane**	**201.0**				
10644	$C_6H_6Cl_2Si$	Phenyl dichlorosilane					
		" 40 mm.		Nonazeotrope		v-l	229
		" 100 mm.		Nonazeotrope		v-l	229
			182.9	Nonazeotrope		v-l	229
10645	$C_7H_8Cl_2Si$	Methylphenyldichloro-silane	203.6	Nonazeotrope		v-l	228
A =	**C_6H_5F**	**Fluorobenzene**	**85.2**				
10646	C_6H_5I	Iodobenzene	188.55	Vapor pressure data			563
10647	C_6H_6	Benzene	80.15	Nonazeotrope			575
		"	80.1	Ideal system		v-l	40
10648	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope			556
10649	C_6H_{12}	Methylcyclopentane	72.0	Nonazeotrope			575
10650	C_6H_{14}	Hexane	68.8	Nonazeotrope			575
A =	**C_6H_5I**	**Iodobenzene**	**188.55**				
10651	$C_6H_5NO_2$	Nitrobenzene	210.75	Nonazeotrope			554
10652	C_6H_6O	Phenol	181.5	177.7	53		563
10653	C_6H_7N	Aniline	184.35	181.6	>40		551
10654	$C_6H_8O_4$	Methyl fumarate	193.25	186.2	70		527
10655	$C_6H_{10}O_3$	Ethyl acetoacetate	180.4	178.0	52		552
10656	$C_6H_{10}O_4$	Ethyl oxalate	185.65	181.0	48		538
10657	$C_6H_{10}O_4$	Glycol diacetate	186.3	< 183.5	>42		562
10658	$C_6H_{10}O_4$	Methyl succinate	195	~ 186.5			563
10659	$C_6H_{11}ClO_2$	Butyl chloroacetate	181.8	< 181.2	>82		575
10660	$C_6H_{11}ClO_2$	Isobutyl chloroacetate	174.5	Nonazeotrope			575
10661	$C_6H_{12}O$	Cyclohexanol	160.65	Nonazeotrope			573
10662	$C_6H_{12}O_2$	Caproic acid	205.15	186.8	88		564
10663	$C_6H_{12}O_2$	Isocaproic acid	199.5	185.5	85		562
10664	$C_6H_{14}O$	Hexyl alcohol	157.85	Nonazeotrope			575
10665	$C_6H_{14}O_2$	2-Butoxyethanol	171.17	< 170.8			575
10666	C_7H_5N	Benzonitrile	191.1	< 187.0			565
10667	C_7H_6O	Benzaldehyde	179.2	Nonazeotrope			575
10668	C_7H_7Br	***m*-Bromotoluene**	184.3	Nonazeotrope			549

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_6H_5I**	**Iodobenzene** *(continued)*	**188.55**				
10669	C_7H_8O	Benzyl alcohol	205.2	187.75	88		535
10670	C_7H_8O	*o*-Cresol	190.8	185	~ 32	~ 53	563
10671	C_7H_8O	*p*-Cresol	201.7	188.1	90		542
10672	C_7H_9N	Methylaniline	196.25	Nonazeotrope			551
10673	C_7H_9N	*m*-Toluidine	203.1	Nonazeotrope			551
10674	C_7H_9N	*o*-Toluidine	200.35	Nonazeotrope			551
10675	C_7H_9N	*p*-Toluidine	200.55	Nonazeotrope			551
10676	$C_7H_{12}O_4$	Ethyl malonate	199.2	< 188	>80		547
10677	$C_7H_{14}O_3$	Isobutyl lactate	182.15	180.5	30		567
10678	$C_8H_8O_2$	Methyl benzoate	199.45	Nonazeotrope			547
10679	$C_8H_8O_2$	Phenyl acetate	195.7	< 188.3			575
10680	$C_8H_{10}O$	*p*-Methylanisole	177.05	Nonazeotrope			559
10681	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope			559
10682	$C_8H_{11}N$	*N,N*-Dimethylaniline	194.05	186.7	75		535
10683	$C_8H_{11}N$	Ethylaniline	205.5	Nonazeotrope			551
10684	$C_8H_{16}O_3$	Isoamyl lactate	202.4	Nonazeotrope			575
10685	$C_8H_{18}O$	*n*-Octyl alcohol	195.15	187.5			531
10686	$C_8H_{18}O$	*sec*-Octyl alcohol	179.0	178.4			531
10687	C_9H_8	Indene	182.6	Nonazeotrope			575
10688	$C_9H_{12}O$	Benzyl ethyl ether	185.0	Nonazeotrope			559
10689	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	Nonazeotrope			551
10690	$C_9H_{14}O$	Phorone	197.8	Nonazeotrope			552
10691	$C_9H_{18}O_2$	Butyl isovalerate	177.6	Nonazeotrope			547
10692	$C_9H_{18}O_2$	Isoamyl butyrate	178.5	Nonazeotrope			538
10693	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	185.5	~ 65		563
10694	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope			575
10695	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope			575
10696	$C_{10}H_{16}$	Dipentene	177.7	Nonazeotrope			575
10697	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope			575
10698	$C_{10}H_{16}$	Terpinene	181.5	Nonazeotrope			538
10699	$C_{10}H_{16}O$	Fenchone	193	Nonazeotrope			563
10700	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope			532
10701	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	< 188.3	>87		575
A =	**$C_6H_5NO_2$**	**Nitrobenzene**	**210.75**				
10702	$C_6H_5NO_3$	*o*-Nitrophenol	217.2	Nonazeotrope			554
10703	C_6H_6	Benzene	80.15	Nonazeotrope			554
		" 25°C.		Nonazeotrope		v.p.	845
10704	C_6H_7N	Aniline	184.35	Nonazeotrope		v-l	551,835
10705	$C_6H_8O_4$	Methyl maleate	204.05	203.9	7		527
10706	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope			163
10707	$C_6H_{12}O_2$	Caproic acid	205.15	<202.5	<35		554
10708	C_6H_{14}	*n*-Hexane	68.8	Nonazeotrope			554
10709	$C_6H_{14}O$	*n*-Hexanol	157.85	Nonazeotrope			554
10710	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	Nonazeotrope			554
10711	$C_6H_{14}O_2$	Pinacol	174.35	Nonazeotrope			576
10712	$C_7H_5Cl_3$	α,α,α-Trichlorotoluene	220.8	Nonazeotrope			554

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_6H_5NO_2$**	**Nitrobenzene** *(continued)*	**210.75**			
10713	$C_7H_6Cl_2$	α,α-Dichlorotoluene	205.2	Nonazeotrope		554
10714	C_7H_6O	Benzaldehyde	179.2	Nonazeotrope		554
10715	C_7H_7Br	***o*-Bromotoluene**	**181.75**	Nonazeotrope		563
10716	C_7H_7Cl	α-Chlorotoluene	179.35	Nonazeotrope		563
10717	C_7H_7I	***p*-Iodotoluene**	**214.5**	< 208.8		**554**
10718	C_7H_8	Toluene	110.7	Nonazeotrope		**554**
10719	C_7H_8O	Benzyl alcohol	205.25	204.2	38	**554**
10720	C_7H_8O	***m*-Cresol**	**202.2**	Nonazeotrope		554
10721	C_7H_8O	***o*-Cresol**	**191.1**	Nonazeotrope		**554**
10722	C_7H_8O	***p*-Cresol**	**201.7**	Nonazeotrope		**554**
10723	$C_7H_8O_2$	Guaiacol	205.05	Nonazeotrope		554
10724	C_7H_9N	Benzylamine	185.0	Nonazeotrope		551
10725	C_7H_9N	Methylaniline	196.25	Nonazeotrope		551
10726	C_7H_9N	***m*-Toluidine**	**203.1**	Nonazeotrope		551
10727	C_7H_9N	***o*-Toluidine**	**200.35**	Nonazeotrope		551
10728	C_7H_9N	***p*-Toluidine**	**200.55**	Nonazeotrope		551
10729	C_7H_9NO	***o*-Anisidine**	**219.0**	Nonazeotrope		575
10730	$C_7H_{12}O_4$	Ethyl malonate	199.35	Nonazeotrope		554
10731	$C_7H_{14}O_2$	**Enanthic acid**	**222.0**	< 209.5	<88	554
10732	$C_7H_{16}O_4$	2-[2-(2-Methoxyethoxy) ethoxy]ethanol	245.25	Nonazeotrope		554
10733	C_8H_8O	Acetophenone	202.0	Nonazeotrope		552
10734	$C_8H_8O_2$	**Benzyl formate**	**203.0**	Nonazeotrope		554
10735	$C_8H_8O_2$	Methyl benzoate	199.4	Nonazeotrope		575
10736	$C_8H_8O_2$	Phenyl acetate	215.3	Nonazeotrope		554
10737	$C_8H_8O_3$	Methyl salicylate	222.95	Nonazeotrope		554
10738	$C_8H_{10}O$	***p*-Ethylphenol**	**220.0**	Nonazeotrope		554
10739	$C_8H_{10}O$	Phenethyl alcohol	219.4	210.6	92	554
10740	$C_8H_{10}O$	3,4-Xylenol	226.8	Nonazeotrope		554
10741	$C_8H_{10}O_2$	***m*-Dimethoxybenzene**	**214.7**	207.5	>62	554
10742	$C_8H_{10}O_2$	***o*-Ethoxyphenol**	**216.5**	Nonazeotrope		554
10743	$C_8H_{10}O_2$	Veratrol	206.8	< 203.8		554
10744	$C_8H_{11}N$	Dimethylaniline	194.15	Nonazeotrope		551
10745	$C_8H_{11}N$	Ethylaniline	205.5	Nonazeotrope		551
10746	$C_8H_{11}N$	2,4-Xylidine	214.0	Nonazeotrope		551
10747	$C_8H_{11}N$	3,4-Xylidine	225.5	Nonazeotrope		551
10748	$C_8H_{12}O_4$	Ethyl fumarate	217.85	Nonazeotrope		554
10749	$C_8H_{12}O_4$	Ethyl maleate	223.3	Nonazeotrope		554
10750	$C_8H_{14}O_4$	Ethyl succinate	217.25	< 210.6		554
10751	$C_8H_{14}O_4$	Propyl oxalate	214.2	210.0		554
10752	$C_8H_{16}O_2$	Caprylic acid	238.5	Nonazeotrope		554
10753	$C_8H_{16}O_3$	Isoamyl lactate	202.4	Nonazeotrope		554
10754	$C_8H_{18}O$	***n*-Octyl alcohol**	**195.2**	Nonazeotrope		554
10755	$C_9H_{10}O$	Cinnamyl alcohol	257.0	Nonazeotrope		554
10756	$C_9H_{10}O$	Propiophenone	217.7	Nonazeotrope		552
10757	$C_9H_{10}O_2$	Benzyl acetate	215.0	Nonazeotrope		554
10758	$C_9H_{10}O_2$	Ethyl benzoate	212.5	210.6	81	554

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_6H_5NO_2$**	**Nitrobenzene** *(continued)*	**210.75**			
10759	$C_9H_{12}O$	3-Phenylpropanol	235.6	Nonazeotrope		554
10760	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	Nonazeotrope		575
10761	$C_9H_{13}N$	*N,N*-Dimethyl-*p*-toluidine	210.2	< 210		551
10762	$C_9H_{14}O$	Phorone	197.8	Nonazeotrope		552
10763	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		554
10764	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		554
10765	$C_{10}H_{15}N$	Diethylaniline	217.05	210.72	97	551
10766	$C_{10}H_{16}O$	Camphor	208.9	208.4	35	563
10767	$C_{10}H_{16}O$	Fenchone	193.6	Nonazeotrope		575
10768	$C_{10}H_{16}O$	Pulegone	223.8	Nonazeotrope		552
10769	$C_{10}H_{17}Cl$	Bornyl chloride	207.5	205.0		554
10770	$C_{10}H_{18}O$	Borneol	215.0	207.8	58	554
10771	$C_{10}H_{18}O$	Citronellal	208.0	207.0	22	554
10772	$C_{10}H_{18}O$	Geraniol	229.6	Nonazeotrope		554
10773	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		554
10774	$C_{10}H_{18}O$	Menthone	206.5	Nonazeotrope		563
10775	$C_{10}H_{18}O$	α-Terpineol	218.85	209.7	78	554
10776	$C_{10}H_{18}O$	β-Terpineol	210.5	204.8	50	554
10777	$C_{10}H_{20}O$	Citronellol	224.5	Min. b.p.		574
10778	$C_{10}H_{20}O$	Menthol	216.3	208.35	67.3	554
10779	$C_{10}H_{22}O$	***n*-Decyl alcohol**	**232.8**	Nonazeotrope		551
10780	$C_{10}H_{22}S$	Isoamyl sulfide	214.8	209.5	<93	554
10781	$C_{11}H_{16}O$	Methyl thymol ether	216.5	< 209.2	<82	554
10782	$C_{11}H_{20}O$	Methyl α-terpineol ether	216.2	208.6	75?	554
10783	$C_{11}H_{24}O_2$	Diisoamyloxymethane	210.8	206.5	>42	554
10784	$C_{12}H_{10}O$	1-and 2-Acetyl-naphthalene, 100 mm.	228.3	Nonazeotrope		413
10785	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		554
10786	$C_{12}H_{22}O$	Ethyl bornyl ether	204.9	203.0	30	554
10787	$C_{12}H_{22}O$	Ethyl isobornyl ether	203.8	202.5?	25?	554
A =	**$C_6H_5NO_3$**	***o*-Nitrophenol**	**217.25**			
10788	$C_6H_6O_2$	Pyrocatechol	245.9	Nonazeotrope		542
10789	$C_6H_8O_4$	Methyl maleate	204.05	Nonazeotrope		527
10790	$C_6H_{14}O_2$	Pinacol	174.35	Nonazeotrope		575
10791	$C_6H_{14}O_3$	Dipropylene glycol	229.2	215.0?		575
10792	C_7H_7BrO	*o*-Bromoanisole	217.7	Nonazeotrope		575
10793	C_7H_7ClO	*p*-Chloroanisole	197.8	Nonazeotrope		575
10794	C_7H_7I	*p*-Iodotoluene	214.5	212.0	18	575
10795	$C_7H_7NO_2$	*o*-Nitrotoluene	221.75	Nonazeotrope		554
10796	C_7H_8O	Benzyl alcohol	205.25	Nonazeotrope		575
10797	C_7H_8O	*m*-Cresol	202.2	Nonazeotrope		542
10798	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope		575
10799	C_7H_8O	*p*-Cresol	201.7	Nonazeotrope		544
10800	C_7H_9NO	*o*-Anisidine	219.0	Nonazeotrope		575
10801	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_6H_5NO_3$**	***o*-Nitrophenol** ***(continued)***	**217.25**			
10802	$C_7H_{16}O$	Heptyl alcohol	176.16	Nonazeotrope		575
10803	C_8H_8O	Acetophenone	202.0	Nonazeotrope		552
10804	$C_8H_8O_2$	Benzyl formate	202.3	Nonazeotrope		548
10805	$C_8H_8O_2$	Methyl benzoate	199.4	Nonazeotrope		575
10806	$C_8H_8O_3$	Methyl salicylate	222.95	Nonazeotrope		575
10807	C_8H_9BrO	***p*-Bromophenetole**	234.2	Nonazeotrope		575
10808	$C_8H_{10}O$	Phenethyl alcohol	219.4	214.0	59	567
10809	$C_8H_{10}O$	3,4-Xylenol	226.8	Nonazeotrope		575
10810	$C_8H_{10}O_2$	***m*-Dimethoxybenzene**	214.7	Nonazeotrope		575
10811	$C_8H_{10}O_2$	Veratrole	206.8	Nonazeotrope		575
10812	$C_8H_{11}NO$	***o*-Phenetidine**	232.5	Nonazeotrope		575
10813	$C_8H_{12}O_4$	Ethyl fumarate	217.85	Nonazeotrope		526
10814	$C_8H_{12}O_4$	Ethyl maleate	223.3	Nonazeotrope		575
10815	$C_8H_{14}O_4$	Ethyl succinate	217.25	<216.9	<54	575
10816	$C_8H_{18}O$	Octyl alcohol	195.2	Nonazeotrope		575
10817	$C_8H_{18}O$	***sec*-Octyl alcohol**	180.4	Nonazeotrope		575
10818	$C_8H_{18}S$	Butyl sulfide	185.0	Nonazeotrope		575
10819	C_9H_7N	Quinoline	237.3	Nonazeotrope		575
10820	$C_9H_{10}O$	Cinnamyl alcohol	257.0	Nonazeotrope		575
10821	$C_9H_{10}O$	***p*-Methylacetophenone**	226.35	Nonazeotrope		552
10822	$C_9H_{10}O_2$	Benzyl acetate	215.0	Nonazeotrope		575
10823	$C_9H_{10}O_2$	Ethyl benzoate	212.6	Nonazeotrope		542
10824	$C_9H_{12}O$	3-Phenylpropanol	235.6	Nonazeotrope		575
10825	$C_9H_{14}O$	Phorone	197.8	Nonazeotrope		552
10826	$C_{10}H_8$	Naphthalene	218.05	215.75	60	542
10827	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.75	Nonazeotrope		548
10828	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	Nonazeotrope		548
10829	$C_{10}H_{14}O$	Carvacrol	237.85	Nonazeotrope		575
10830	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		542
10831	$C_{10}H_{14}O_2$	***m*-Diethoxybenzene**	235.4	Nonazeotrope		575
10832	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope		552
10833	$C_{10}H_{16}O$	Fenchone	193.6	Nonazeotrope		575
10834	$C_{10}H_{18}O$	Borneol	213.4	211.9	~ 40	542
10835	$C_{10}H_{18}O$	Menthone	209.5	Nonazeotrope		575
10836	$C_{10}H_{18}O$	α-Terpineol	218.85	213.9	58	567
10837	$C_{10}H_{18}O$	**β-Terpineol**	210.5	209.0	22	567
10838	$C_{10}H_{20}O$	Citronellol	224.4	214.5	78	575
10839	$C_{10}H_{20}O$	Menthol	216.4	212.2	46	564
10840	$C_{10}H_{20}O_2$	Ethyl caprylate	208.35	Nonazeotrope		575
10841	$C_{10}H_{20}O_2$	Methyl pelargenate	213.8	Nonazeotrope		575
10842	$C_{10}H_{22}O$	Decyl alcohol	232.8	216.5	90	575
10843	$C_{10}H_{22}S$	Isoamyl sulfide	214.8	212.5	30	566
10844	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	Nonazeotrope		575
10845	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		575
10846	$C_{11}H_{20}O$	Methyl α-terpineol ether	216.2	215.9	28	575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_6H_5NO_3$**	***o*-Nitrophenol** *(continued)*	**217.25**				
10847	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.4	~ 214.3	<45		548
10848	$C_{12}H_{20}O_2$	Bornyl acetate	227.7	Nonazeotrope			548
10849	$C_{13}H_{28}$	Tridecane	234.0	<215.0	<94		575
A =	**C_6H_6**	**Benzene**	**80.15**				
10850	C_6H_7N	Aniline	184.35	Nonazeotrope			551
10851	C_6H_8	1,3-Cyclohexadiene	80.4	< 79.9			561
10852	C_6H_8	1,4-Cyclohexadiene	85.6	Nonazeotrope			562
10853	C_6H_{10}	Cyclohexene	82.1	78.9	64.7	v-l	365,563
10854	C_6H_{12}	Cyclohexane, 206 mm.		40	48	v-l	848
		" 600 mm.		70	48	v-l	848
		"	80.6	77.7	51.8		631
		"	80.60	77.4	49.7	v-l	805
		" 1204 mm.			53.65		74
		" 93 mm.			46.70		74,561
		"	80.7	77.7	53.2	v-l	666
		"	80.7	77.4	52.1	v-l	888
		" 304 mm.		50	48.2	v-l	666
		" 300 mm.		49.6	48.2	v-l	666
		" 45°55°C				v-l	604
		"	80.75	77.6	51.2	v-l	147,517, 1010
		"	80.75	77.4	52.5		212,306
		" 128 mm.		28.4	47.6		924
		" 155 mm.		33.1	48.0		924
		" 287 mm.		48.3	49.3		924
		" 307 mm.		50.4	49.4		924
		495 mm.		63.7	50.8		924
		" 602 mm.		69.8	51.3		924
		" 760 mm.		77.56	51.9		924
		" 14.7 p.s.i.a.		77.4	50.2	v-l	940
		" 66.7 p.s.i.a.		137.1	61.5	v-l	940
		" 118.0 p.s.i.a.		165.8	67.0	v-l	940
		" 186.8 p.s.i.a.		193.0	71.5	v-l	940
		" 66.7 p.s.i.a.			59.7	v-l	784
		" 116.5 p.s.i.a.			64.9	v-l	784
		" 165.9 p.s.i.a.			67.6	v-l	784
		" 217.0 p.s.i.a.			71	v-l	784
		" 268.7 p.s.i.a.			74	v-l	784
		"		77.6	51.5	v-l	686c,807c
10854a	C_6H_{12}	1-Hexene 25°C.				v-l	209c
10855	C_6H_{12}	Methylcyclopentane	71.85	71.7	16	v-l	676
		"	71.8	min. b.p.		v-l	936
		" 524 mm.		60	13.1	v-l	214
		"	71.8	71.5	9.4	v-l	347
		5 p.s.i.g.			9		709
		Methylcyclopentane 150 p.s.i.g.			14		516,561, 709

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	C_6H_6	**Benzene** *(continued)*	80.15				
10856	$C_6H_{12}O$	Cyclohexanol	160.65	Nonazeotrope			563
10857	$C_6H_{12}O$	4-Methyl-2-pentanone, 450-760 mm.		Nonazeotrope		v-l	189
10858	$C_6H_{12}O$	Pinacolone	106.2	Nonazeotrope			552
10859	$C_6H_{12}O_2$	Butyl acetate	126	Nonazeotrope		v-l	682
10860	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	Nonazeotrope			575
10861	C_6H_{14}	Hexane	68.7	Nonazeotrope		v-l	966
		"	69.0	68.5	4.7		418,561, 631,1045
		" 575 mm.		60	7.3	v-l	55
		"	68.76	68.74	0.2	v-l	97
		"	68.7	68.3	4.5		316,336
		" 400 mm.		49.6	6.2	v-l	336
		" 380 mm.		48	9.2		316
		" 300 mm.		41.8	7.3	v-l	336
		" 210 mm.		32	10.0		316
		" 200 mm.		31.6	7.6	v-l	336
		" 100 mm.		17	13.1		316
		" 50 mm.		7.5	13.8		316
			68.95	Nonazeotrope		v-l	675
		" 4-18 atm.		Nonazeotrope		v-l	784
		"	68.7	Nonazeotrope		v-l	807c,966
10862	$C_6H_{14}O$	Hexyl alcohol	155	Nonazeotrope			215
10863	$C_6H_{14}O$	Isopropyl ether	68.3	Nonazeotrope			558
10864	$C_6H_{14}O$	4-Methyl-2-pentanol	131.8	Nonazeotrope		v-l	781
10865	$C_6H_{14}O$	Propyl ether	90.55	Nonazeotrope			538
10866	$C_6H_{14}O_2$	Acetal	104.5	Nonazeotrope			563
10867	$C_6H_{15}N$	Triethylamine	89.35	Nonazeotrope			551
10868	$C_6H_{15}NO$	2-(Diethylamino)ethanol	162.2	Nonazeotrope			575
10869	C_7F_{14}	Perfluoromethylcyclohexane	73-78	59			160
10870	C_7F_{16}	Perfluoroheptane	83	61			160
10871	C_7H_8	Toluene	110.68	Nonazeotrope		v-l	449c,1045
10872	C_7H_{14}	Methylcyclohexane	101.05	Nonazeotrope		v-l	676
10873	C_7H_{16}	2,2-Dimethylpentane	79.1	75.85	46.3		60
10874	C_7H_{16}	2,3-Dimethylpentane	89.8	79.2	79.5		631
		"	89.79	79.4	78.8	v-l	509
10875	C_7H_{16}	2,4-Dimethylpentane	81	> 75	48.4		160
		"	80.8	75.2	48.3	v-l	60,631, 825
10876	C_7H_{16}	Heptane	98.4	80.1	99.3		631
		"	98.45	Nonazeotrope			527
		" 180-450 mm.		Nonazeotrope		v-l	698
		"	98.4	Nonazeotrope		v-l	675
			98.4	Nonazeotrope		v-l	98

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No.	Formula	B-Component Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_6H_6**	**Benzene** *(continued)*	**80.15**				
		Heptane <160 mm.		Azeotropic			98
10877	C_7H_{16}	2,2,3-Trimethylbutane, 736 mm.	79.9	75.6	50.5	v-l	365
		"		76.6	49.7		631
10878	$C_8F_{15}O$	Perfluorobutyl ether	100	68			160
10878a	C_8H_{10}	Ethylbenzene	136.18	Nonazeotrope		v-l	449c
10879	C_8H_{18}	Octane	125.75	Nonazeotrope		v-l	163,239
10880	C_8H_{18}	2,2,4-Trimethylpentane, 35°-75° C.		Nonazeotrope		v-l	1012
		"	99.2	80.1	97.7		631
10881	$C_8H_{18}O_3$	2-(2-Butoxyethoxy) ethanol	230.6	Nonazeotrope			981
10882	$C_9H_{10}O_2$	Ethyl benzoate	213	Vapor pressure data			563
10882a	C_9H_{12}	Propylbenzene	159.24	Nonazeotrope		v-l	449c
A =	**C_6H_6O**	**Phenol**	**182.2**				
10883	C_6H_7N	Aniline	184.35	186.2	42		551
		"	183.91	185.84	41.9		911
		" 600 mm.	175.38	177.42	42.3		911
		" 500 mm.	168.84	170.98	43.0		911
		" 400 mm.	161.11	163.40	43.4		911
10884	C_6H_7N	2-Picoline	128.8	185.17	78.5		791
		"	129.20	185.5	75.4		27c
10885	C_6H_7N	3-Picoline	143.5	188.93	70.2		790
		"	143.0	185.5	76	v-l	729
		" 600 mm.	135.3	178.0	74	v-l	729
		" 400 mm.	121.0	166.3	71	v-l	729
		" 200 mm.	99.9	146.2	32	v-l	729,809
		"	143.2	187.2	71.4	v-l	27c,790
10886	C_6H_7N	4-Picoline	144.8	190	67.5	v-l	729
		" 600 mm.	136.0	181.2	66	v-l	729
		" 400 mm.	122.6	167.5	65	v-l	729
		" 200 mm.	101.5	147.0	64.5	v-l	729,809
		"	144.90	190.7	67.3	v-l	27c,729
10887	$C_6H_8O_4$	Methyl fumarate	193.25	194.85	23		527
10888	$C_6H_8O_4$	Methyl maleate	204.05	Nonazeotrope			527
10889	$C_6H_{10}O$	Cyclohexanone		184.5	72		274
				Composition independent of pressure			274
		"	155.7	Nonazeotrope			274
		" 50 mm.	73		71.5		215
		"	155.6	Azeotropic			177
		" 50 mm.		Max. b.p.	75.8		981
		" 200 mm.		143.0	75.2	v-l	898c
		" 90 mm.		122.5	77.2	v-l	898c
10890	$C_6H_{10}O_3$	Ethyl acetoacetate	180.7	188?	Reacts		563
10891	$C_6H_{10}O_4$	Ethylidene diacetate	168.5	>182.5	<18		527
10892	$C_6H_{10}O_4$	Ethylene diacetate	189.86	195.53	39.2		563, 721

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_6H_6O**	**Phenol *(continued)***	**182.2**				
10893	$C_6H_{10}O_4$	Ethyl oxalate	185.65	189.5	41		572
10894	$C_6H_{10}O_4$	Methyl succinate	195	~ 197			563
10895	$C_6H_{12}O$	Cyclohexanol	160.7	183.0	87		574
		"		Nonazeotrope		v-l	5,274
		" 60 mm.		111	70		215
		" 70 mm.		111	73		177
		" 90 mm.		120	70	v-l	177
		" 200 mm.		140	71		215
		Cyclohexanol	160.65	180	87		215
10896	$C_6H_{12}O_2$	Butyl acetate					
		200-760 mm.		Nonazeotrope		v-l	472
		"		Azeotropic at low pressure			473
10897	$C_6H_{12}O_2$	Isocaproic acid	199.5	Nonazeotrope			575
10898	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	184.9	72		556
10899	$C_6H_{12}O_3$	Ethyl α-hydroxy isobutyrate	150	Nonazeotrope			575
10900	$C_6H_{12}O_3$	Isopropyl lactate	167.5	184.8	73		542
10901	$C_6H_{12}O_3$	Propyl lactate	171.7	~ 185	~ 78		563
10902	$C_6H_{13}Br$	1-Bromohexane	156.5	Nonazeotrope			575
10903	$C_6H_{14}O$	*n*-Hexyl alcohol	157.8	Nonazeotrope			536
10904	$C_6H_{14}O_2$	2-Butoxyethanol	171.25	186.35	63		556
10905	$C_6H_{14}O_2$	Pinacol	174.35	185.5	71		573
10906	$C_6H_{14}O_3$	2-(2-Ethoxyethoxy)ethanol	201.9	208.0	36		567
10907	$C_6H_{15}N$	Triethylamine 15°C.		Nonazeotrope		v-l	627
10908	C_7H_5N	Benzontrile	191.1	192.0	80		565
10909	$C_7H_6Cl_2$	α,α-Dichlorotoluene	205.1	Reacts			563
10910	C_7H_6O	Benzaldehyde	179.2	185.6	51		563
10911	C_7H_7Br	α-Bromotoluene	198.5	Reacts			563
10912	C_7H_7Br	*m*-Bromotoluene	183.8	175.7	43		527
10913	C_7H_7Br	*o*-Bromotoluene	181.75	174.35	40		563
10914	C_7H_7Br	*p*-Bromotoluene	185	176.2	44		555
10915	C_7H_7Cl	α-Chlorotoluene	179.35	Reacts			563
10916	C_7H_7Cl	*o*-Chlorotoluene	159.2	159.0	3		575
10917	C_7H_7Cl	*p*-Chlorotoluene	162.4	161.5	~12		538
10918	C_7H_7ClO	*o*-Chloroanisole	195.7	Nonazeotrope			575
10919	C_7H_7I	*p*-Iodotoluene	215.0	Nonazeotrope			542
10920	C_7H_8	Toluene	110.75	Nonazeotrope			575
10921	C_7H_8O	Anisole	153.85	Nonazeotrope			544
10922	C_7H_8O	Benzyl alcohol	205.15	Nonazeotrope			573
10923	C_7H_8O	*m*-Cresol	202.2	Nonazeotrope			952
10924	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope			952
10925	C_7H_8O	*p*-Cresol	201.7	Nonazeotrope			952
10926	C_7H_9N	Benzylamine	185.0	196.8	45		551
10926a	C_7H_9N	2,4-Lutidine 400 mm.		171.66	57.1		263g
		" 500 mm.		178.63	57		263g
		" 600 mm.		184.76	56.8		263g
		"	159.0	193.4	57	v-l	27c

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	C_6H_6O	**Phenol** *(continued)*	**182.2**				
10927	C_7H_9N	2,6-Lutidine	143.3	185.5	72.5	v-l	826
		" 600 mm.	134.5	178.5	71	v-l	826
		" 400 mm.	121.0	163.5	67	v-l	826
		" 200 mm.	100.8	143.5	64.5	v-l	826,809
		"	142	185.81	72.1		791
10928	C_7H_9N	Methylaniline	196.25	Nonazeotrope			551
10929	C_7H_9N	*m*-Toluidine	203.1	Nonazeotrope			551
10930	C_7H_9N	*o*-Toluidine	200.35	Nonazeotrope			551
10931	C_7H_9N	*p*-Toluidine	200.55	Nonazeotrope			551
10932	$C_7H_{12}O_4$	Ethyl malonate	198.6	Reacts			563
10933	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	183.1	80		575
10934	$C_7H_{14}O_3$	Isobutyl lactate	182.15	189.05	~46		563
10935	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	187.0	55		527
10936	C_7H_{16}	Heptane	98.4	Nonazeotrope			575
10937	$C_7H_{16}O$	Heptyl alcohol	176.15	185.0	72		569
10938	C_8H_8	Styrene	145.8	Nonazeotrope			575
10939	C_8H_8O	Acetophenone	202.0	202.0	7.8		552
		" 300 mm.		168.6	17.2	v-l	293
		" 100 mm.		135.7	25	v-l	293
10940	$C_8H_8O_2$	Benzyl formate	202.4	Nonazeotrope			542
10941	$C_8H_8O_2$	Methyl benzoate	199.55	Nonazeotrope			563
10942	$C_8H_8O_2$	Phenyl acetate	195.7	196.6	~12		573
		" "	195.14	195.89	8.9		721
10943	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			575
10944	C_8H_{10}	*m*-Xylene	139.0	Nonazeotrope			527
10945	C_8H_{10}	*o*-Xylene	142.6	Nonazeotrope			563
10946	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope			575
10947	$C_8H_{10}O$	*p*-Methylanisole	177.05	177.02	~ 3		541
10948	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope			542,556
10949	$C_8H_{10}O_2$	Veratrol	206.8	Nonazeotrope			575
10950	$C_8H_{11}N$	2,4,6-Collidine	171	195.23	52.3		791
		"	171.20	194.8	46.7	v-l	27c
10951	$C_8H_{11}N$	Dimethylaniline	194.15	Nonazeotrope			551
10952	$C_8H_{11}N$	Ethylaniline	205.5	Nonazeotrope			551
10953	$C_8H_{14}O$	Methylheptenone	173.2	184.6	67		552
10954	$C_8H_{16}O$	2-Octanone	172.85	184.5	68		552
10955	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope			575
10956	$C_8H_{16}O_2$	Ethyl caproate	167.85	Nonazeotrope			542
10957	$C_8H_{16}O_2$	Isoamyl propionate	160.3	Nonazeotrope			531
10958	$C_8H_{16}O_3$	Isoamyl lactate	202.4	~203.5	12		542
10959	C_8H_{18}	Octane	125.75	Nonazeotrope			575
10960	$C_8H_{18}O$	Butyl ether	142.4	Nonazeotrope			556
10961	$C_8H_{18}O$	2-Ethyl-1-hexanol, 25 mm.		95.6	95		124,982
10962	$C_8H_{18}O$	*n*-Octyl alcohol	195.15	195.4	13		573
10963	$C_8H_{18}O$	*sec*-Octyl alcohol	179.0	184.5	50		535

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	C_6H_6O	**Phenol** *(continued)*	182.2				
10964	$C_9H_{18}S$	Butyl sulfide	172.0	<170.5	<28		566
10965	$C_8H_{18}S$	Isobutyl sulfide	172	<170.5	<28		555
10966	$C_8H_{20}SiO_4$	Ethyl silicate	165	Nonazeotrope			563
10967	C_9H_8	Indene	182.2	173.2	45		573
		"	183.0	177.8	47		541
10968	C_9H_{10}	α-Methylstyrene		162	7		874
10969	$C_9H_{10}O$	Propiophenone	217.7	Nonazeotrope			552
10970	C_9H_{12}	Cumene	152.8	149	2		215
		"	152.8	Nonazeotrope			575
10971	C_9H_{12}	Mesitylene	164.6	163.5	21		575
10972	C_9H_{12}	Propylbenzene	158.9	158.0	~ 4		542
		"	158.9	158.5	14		946
10973	C_9H_{12}	Pseudocumene	168.2	166.0	25		542
10974	$C_9H_{12}O$	Benzyl ethyl ether	185.0	<181.9	<93		575
10975	$C_9H_{12}O$	Phenyl propyl ether	190.2	Nonazeotrope			542
10976	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.35	180.6	69.5		551
10977	$C_9H_{14}O$	Phorone	197.8	198.8	18		552
10978	$C_9H_{14}SiO$	(Trimethylsiloxy) benzene	181.9	175.5	39.5		520
10979	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	183.4	80		552
10980	$C_9H_{18}O_2$	Butyl isovalerate	177.6	184.0	70		562
10981	$C_9H_{18}O_2$	Ethyl enanthate	188.7	190.0	12		562
10982	$C_9H_{18}O_2$	Isoamyl butyrate	178.5	185.0	~58		573
10983	$C_9H_{18}O_2$	Isoamyl isobutyrate	169.8	Nonazeotrope			575
10984	$C_9H_{18}O_2$	Isobutyl isovalerate	168.7	182.8	92		573
10985	$C_9H_{18}O_2$	Isobutyl valerate	171.2	Nonazeotrope			564
		"	171.35	Nonazeotrope			542
10986	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	192.5	26		563
10987	$C_{10}H_8$	Naphthalene	218.1	Nonazeotrope			563
10988	$C_{10}H_{10}O_2$	Safrole	235.9	Nonazeotrope			575
10989	$C_{10}H_{14}$	Butylbenzene	183.1	175.0	46		562
10990	$C_{10}H_{14}$	*sec*-Butylbenzene	173.3	166.5	31.8	v-l	973
10991	$C_{10}H_{14}$	Cymene	176.7	~170.5	37		542
10992	$C_{10}H_{16}$	Camphene	159.6	156.1	22		530
10993	$C_{10}H_{16}$	*d*-Limonene	177.8	169.0	40.5		563
10994	$C_{10}H_{16}$	Nopinene	163.8	~ 159	~ 25		563
10995	$C_{10}H_{16}$	α-Phellandrene	171.5	165	35		563
10996	$C_{10}H_{16}$	α-Pinene	155.8	152.75	19		563
10997	$C_{10}H_{16}$	α-Terpinene	173.4	166.7	36		562
10998	$C_{10}H_{16}$	Terpinene	181.5	171.5	45		542
10999	$C_{10}H_{16}$	Terpinolene	185	173	~ 62		563
		"	184.6	172.8	46		562
11000	$C_{10}H_{16}$	Thymene	179.7	172.25	40		530
11001	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope			552
11002	$C_{10}H_{16}O$	Carvenone	234.5	Max b.p.			563
11003	$C_{10}H_{16}O$	Fenchone	193.6	196.2	25		552

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No.	B-Component Formula	Name		B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_6H_6O**	**Phenol** *(continued)*		**182.2**				
11004	$C_{10}H_{18}$	Menthene		170.5	~ 164	~ 33		563
11005	$C_{10}H_{18}O$	Borneol		211.8	Nonazeotrope			563
11006	$C_{10}H_{18}O$	Cineole		176.4	182.85	72		528
11007	$C_{10}H_{18}O$	1,4-Cineole,	100 mm.	105-106	119.3-120	88.7		426
11008	$C_{10}H_{18}O$	1,8-Cineole,	100 mm.	107.9	121-121.2	67		426
11009	$C_{10}H_{18}O$	Linalool		198.6	Nonazeotrope			535
11010	$C_{10}H_{18}O$	Menthone		~206	Nonazeotrope			563
11011	$C_{10}H_{18}O$	α-Terpineol		218.85	Nonazeotrope			575
11012	$C_{10}H_{18}O$	β-Terpineol		210.5	Nonazeotrope			575
11013	$C_{10}H_{20}O$	Citronellol		224.4	Nonazeotrope			575
11014	$C_{10}H_{20}O$	Menthol		212	Nonazeotrope			563
11015	$C_{10}H_{20}O_2$	Isoamyl isovalerate		193.5	Nonazeotrope			564
11016	$C_{10}H_{22}$	Decane		173.3	168.0	35		562
11017	$C_{10}H_{22}$	2,7-Dimethyloctane		160.25	159.5	6		544
11018	$C_{10}H_{22}O$	Amyl ether		187.5	180.2	78		562
11019	$C_{10}H_{22}O$	Isoamyl ether		173.2	172.2	15		556
11020	$C_{10}H_{22}S$	Isoamyl sulfide		214.8	Nonazeotrope			566
11021	$C_{11}H_{20}O$	Isobornyl methyl ether		192.4	Nonazeotrope			556
11021a	$C_{11}H_{24}$	Undecane	350 mm.		142.20	41	v-l	263g
		"	550 mm.		158.90	44.5	v-l	263g
		"			172.46	45.90	v-l	263c,263e
11022	$C_{12}H_{18}$	1,3,5-Triethylbenzene		216	Nonazeotrope			563
11023	$C_{13}H_{28}$	Tridecane		235.42	180.56	83.1		911
		"	600 mm.	225.60	172.24	82.3		911
		"	500 mm.	218.20	165.87	82.1		911
		"	450 mm.	214.13	162.20	81.8		911
A =	**$C_6H_6O_2$**	**Pyrocatechol**		**245.9**				
11024	$C_6H_6O_2$	Resorcinol		281.4	Nonazeotrope			575
11025	$C_6H_{14}O_3$	Dipropylene glycol		229.2	253.0	~ 88		575
11026	$C_7H_6Cl_2$	α,α-Dichlorotoluene		205.2	Reacts			542
11027	$C_7H_6O_2$	Benzoic acid		250.5	245.85	98		538
11028	C_7H_7BrO	*o*-Bromoanisole		217.7	Nonazeotrope			575
11029	C_7H_7I	*p*-Iodotoluene		215.0	214.0	7		542
11030	$C_7H_7NO_2$	*m*-Nitrotoluene		230.8	Nonazeotrope			554
11031	$C_7H_7NO_2$	*o*-Nitrotoluene		221.75	Nonazeotrope			554
11032	$C_7H_7NO_2$	*p*-Nitrotoluene		238.9	238.7	11		554
11033	$C_7H_8O_2$	*m*-Methoxyphenol		243.8	241.5			542
11034	C_8H_7N	Indole		253.5	255.0	15		575
11035	$C_8H_8O_2$	Anisaldehyde		249.5	253	25		556
11036	$C_8H_8O_2$	α-Toluic acid		266.5	Nonazeotrope			575
11037	C_8H_9BrO	*p*-Bromophenetole		234.2	231.5	20		575
11038	$C_8H_{10}O$	3,4-Xylenol		226.8	Nonazeotrope			549
11039	$C_8H_{11}NO$	*o*-Phenetidine		232.5	246.0	92		551
11040	$C_8H_{11}NO$	*p*-Phenetidine		249.9	253.8	34		551
11041	$C_8H_{12}O_4$	Ethyl maleate		223.3	Nonazeotrope			575
11042	$C_8H_{16}O_2$	Caprylic acid		238.5	Nonazeotrope			575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_6H_6O_2$**	**Pyrocatechol** *(continued)*	**245.9**			
11043	C_9H_7N	Quinoline	237.4	257.9	61	564
11044	C_9H_8O	Cinnamaldehyde	253.5	Nonazeotrope		545
11045	$C_9H_{10}O$	Cinnamyl alcohol	257.0	Nonazeotrope		575
11046	$C_9H_{10}O$	*p*-Methylacetophenone	226.35	246.3	87.5	552
11047	$C_9H_{10}O_3$	Ethyl salicylate	234.0	Nonazeotrope		538
11048	$C_9H_{12}O$	3-Phenylpropanol	235.6	Nonazeotrope		575
11049	$C_9H_{18}O_2$	Pelargonic acid	254.0	Nonazeotrope		575
11050	$C_{10}H_7Br$	1-Bromonaphthalene	281.8	245.5	~ 80	542
11051	$C_{10}H_7Cl$	1-Chloronaphthalene	262.7	241.0	59	542
11052	$C_{10}H_8$	Naphthalene	218.05	217.45	11.5	538
11053	$C_{10}H_9N$	Quinaldine	246.5	252.5	48	575
11054	$C_{10}H_{10}O_2$	Isosafrole	252.0	243.0	70	544
11055	$C_{10}H_{10}O_2$	Methyl cinnamate	261.9	Nonazeotrope		542
11056	$C_{10}H_{10}O_2$	Safrole	235.9	233.55	23	536
11057	$C_{10}H_{12}O$	Anethole	235.7	233.0	25	562
11058	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.75	Nonazeotrope		573
11059	$C_{10}H_{12}O_2$	Eugenol	254.8	245.85	98.5	538
11060	$C_{10}H_{12}O_2$	Propyl benzoate	230.9	Nonazeotrope		538
11061	$C_{10}H_{14}O$	Carvacrol	237.85	236.7	30	575
11062	$C_{10}H_{14}O$	Carvone	231.0	248.3	71	552
11063	$C_{10}H_{14}O$	Thymol	232.9	232.2	17	549
11064	$C_{10}H_{14}O_2$	*m*-Diethoxybenzene	235.4	<233.5	< 29	575
11065	$C_{10}H_{16}$	Terpinolene	184.6	Nonazeotrope		575
11066	$C_{10}H_{16}O$	Pulegone	223.8	246.5	90	552
11067	$C_{10}H_{18}O$	Geraniol	229.7	Nonazeotrope		542
11068	$C_{10}H_{20}O_2$	Capric acid	268.8	Nonazeotrope		575
11069	$C_{10}H_{22}O$	Decyl alcohol	232.9	Nonazeotrope		573
11070	$C_{11}H_{10}$	1-Methylnaphthalene	244.9	235.1	40	536
11071	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	233.25	37	527
11072	$C_{11}H_{12}O_2$	Ethyl cinnamate	272.0	Nonazeotrope		575
11073	$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethoxybenzene	255.0	Nonazeotrope		538
11074	$C_{11}H_{14}O_2$	Butyl benzoate	249.8	Nonazeotrope		542
11075	$C_{11}H_{14}O_2$	1,2-Dimethoxy-4-propenylbenzene	270.5	Nonazeotrope		542
11076	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	Nonazeotrope		538
11077	$C_{11}H_{16}O$	Methyl thymyl ether	216.5	Nonazeotrope		575
11078	$C_{11}H_{20}O$	α-Terpineol methyl ether	216.2	Nonazeotrope		542
11079	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	Nonazeotrope		542
11080	$C_{12}H_{10}$	Acenaphthene	277.9	245.25	84	542
11081	$C_{12}H_{10}$	Biphenyl	255.9	239.85	56.5	542
11082	$C_{12}H_{10}O$	Phenyl ether	259.3	242.0	59.3	538
11083	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.0	Nonazeotrope		542
11084	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	214.7		542
		" "	215.5	214.7	8.9	946
11085	$C_{12}H_{20}O_2$	Bornyl acetate	227.7	Nonazeotrope		542

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_6H_6O_2$**	**Pyrocatechol** *(continued)*	**245.9**			
11086	$C_{12}H_{22}O_4$	Isoamyl oxalate	268.0	Nonazeotrope		544
11087	$C_{13}H_{10}$	Fluorene	295	Nonazeotrope		575
11088	$C_{13}H_{12}$	Diphenyl methane	265.6	243.05	65	536
11089	$C_{13}H_{12}O$	Benzyl phenyl ether	286.5	Nonazeotrope		575
11090	$C_{13}H_{28}$	Tridecane	234.0	229.7	30	542
11091	$C_{14}H_{14}$	1,2-Diphenylethane	284.9	Nonazeotrope		542
A =	**$C_6H_6O_2$**	**Resorcinol**	**281.4**			
11092	$C_6H_6O_3$	Pyrogallol	309	Nonazeotrope		575
11093	$C_7H_7NO_2$	*p*-Nitrotoluene	238.9	Nonazeotrope		575
11094	$C_8H_8O_2$	α-Toluic acid	266.5	Nonazeotrope		541
11095	$C_8H_{11}NO$	*o*-Phenetidine	232.5	Nonazeotrope		551
11096	$C_8H_{11}NO$	*p*-Phenetidine	249.9	Nonazeotrope		544
11097	$C_9H_{10}O$	Cinnamyl alcohol	257.0	Nonazeotrope		575
11098	$C_9H_{12}O$	3-Phenylpropanol	235.6	Nonazeotrope		544
11099	$C_{10}H_7Br$	1-Bromonaphthalene	281.8	266.3	45	542
11100	$C_{10}H_7Cl$	1-Chloronaphthalene	262.7	255.8	26	542
11101	$C_{10}H_8$	Naphthalene	218.05	Nonazeotrope		538
11102	$C_{10}H_8O$	1-Naphthol	288.0	280.2	70	575
11103	$C_{10}H_8O$	2-Naphthol	295	280.8	85	575
11104	$C_{10}H_{10}O_2$	Isosafrole	252.0	Nonazeotrope		542
11105	$C_{10}H_{10}O_2$	Methyl cinnamate	261.9	Nonazeotrope		538
11106	$C_{10}H_{10}O_4$	Methyl phthalate	283.7	287.5	38	544
11107	$C_{10}H_{12}O_2$	Eugenol	254.8	Nonazeotrope		542
11108	$C_{10}H_{12}O_2$	Isoeugenol	268.5	Nonazeotrope		542
11109	$C_{10}H_{18}O_4$	Propyl succinate	250.5	Nonazeotrope		575
11110	$C_{10}H_{20}O$	Citronellol	224.4	Nonazeotrope		575
11111	$C_{10}H_{20}O_2$	Capric acid	268.8	Nonazeotrope		575
11112	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	243.1	14.5	538
11113	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	240.05	10.5	527
11114	$C_{11}H_{12}O_2$	Ethyl cinnamate	271.5	Nonazeotrope		542
11115	$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethoxybenzene	255.0	Nonazeotrope		542
11116	$C_{11}H_{14}O_2$	1,2-Dimethoxy-4-propenylbenzene	270.5	Nonazeotrope		544
11117	$C_{11}H_{16}O$	*p-tert*-Amylphenol	266.5	265.8	15	575
11118	$C_{12}H_{10}$	Acenaphthene	277.9	266.2	41	542
11119	$C_{12}H_{10}$	Biphenyl	255.9	252.15	21	542
11120	$C_{12}H_{10}O$	Phenyl ether	259.3	255.65	23	556
11121	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.0	Nonazeotrope		538
11122	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		542
11123	$C_{12}H_{22}O_4$	Isoamyl oxalate	268.0	282.5	85	544
11124	$C_{13}H_{10}$	Fluorene	295.0	274.0	48	562
11125	$C_{13}H_{12}$	Diphenylmethane	265.6	258.95	26	536
11126	$C_{13}H_{12}O$	Benzyl phenyl ether	286.5	$<$275.0	$<$83	562
11127	$C_{13}H_{28}$	Tridecane	234.0	233.25	12	542
11128	$C_{14}H_{12}$	Stilbene	306.5	277.5	56	562

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_6H_6O_2$**	**Resorcinol** *(continued)*	**281.4**				
11129	$C_{14}H_{14}$	1,2-Diphenylethane	284.9	269.7	47		542
A =	**$C_6H_6O_3$**	**Pyrogallol**	**309**				
11130	$C_{10}H_8O$	2-Naphthol	295.0	293.5	78		575
11131	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	<240.6	< 6		575
11132	$C_{12}H_{10}$	Acenaphthene	277.9	272.8	20		562
11133	$C_{12}H_{10}$	Biphenyl	256.1	253.5	10		562
11134	$C_{13}H_{12}$	Diphenylmethane	265.4	<263.5	>11		562
11135	$C_{13}H_{12}O$	Benzyl phenyl ether	286.5	<283.5	<20		575
A =	**C_6H_6S**	**Benzenethiol**	**169.5**				
11136	C_7H_7Cl	*p*-Chlorotoluene	162.4	<161.5	79		566
11137	$C_8H_{16}O_2$	Isobutyl butyrate	157	~155	~15?		563
11138	$C_{10}H_{16}$	Camphene	~158	Reacts			563
11139	$C_{10}H_{16}$	α-Phellandrene	171.5	Reacts			563
11140	$C_{10}H_{16}$	α-Pinene	155.8	Reacts			563
11141	$C_{10}H_{18}$	Menthene	170.8	Reacts			563
A =	**C_6H_7N**	**Aniline**	**184.35**				
11142	C_nH_{2n-6}	Aromatic hydrocarbons	160-175	Min. b.p.			196
11143	C_nH_{2n+2}	Paraffins	160-175	Min. b.p.			196
11144	$C_6H_{10}O$	Cyclohexanone	155.7	Nonazeotrope			551
11145	$C_6H_{10}O_4$	Ethyl oxalate	185.0	~181.5	~40		563
11146	$C_6H_{11}NO$	Caprolactam 5 mm.		Nonazeotrope		v-l	191
		" 10 mm.		Nonazeotrope		v-l	191
11147	$C_6H_{11}NO_2$	Nitrocyclohexane	205.4	Nonazeotrope			551
11148	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope			551
11149	$C_6H_{12}O$	Cyclohexanol	160.8	Nonazeotrope		v-l	704,705
		"		Nonazeotrope			551
11150	$C_6H_{13}N$	Cyclohexylamine	134	Nonazeotrope			413,704
		"	134			v-l	705
11151	C_6H_{14}	Hexane, 556-731 mm.		Nonazeotrope		v-l	1053
		"	68.8	Nonazeotrope			551
11152	$C_6H_{14}O$	*n*-Hexyl alcohol	157.85	Nonazeotrope			551
11153	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	Nonazeotrope			551
11154	$C_6H_{14}O_2$	Pinacol	174.35	172.0	45		551
11155	$C_6H_{14}O_3$	2-(2-Ethoxyethoxy)ethanol	201.9	Nonazeotrope			575
11156	$C_6H_{15}NO$	2-Diethylaminoethanol	162.2	Nonazeotrope			551
11157	C_7H_5N	Benzonitrile	191.1	Nonazeotrope			565
11158	C_7H_6O	Benzaldehyde	179.2	Reacts			563
11159	C_7H_7Br	α-Bromotoluene	198.5	Reacts			563
11160	C_7H_7Br	*m*-Bromotoluene	184.3	179.9	39		551
11161	C_7H_7Br	*o*-Bromotoluene	181.5	178.45	35		551
11162	C_7H_7Br	*p*-Bromotoluene	185.0	180.2	44		551
11163	C_7H_7Cl	α-Chlorotoluene	179.35	Reacts			563
11164	C_7H_7Cl	*o*-Chlorotoluene	159.2	Nonazeotrope			551
11165	C_7H_7Cl	*p*-Chlorotoluene	162.4	Nonazeotrope			551

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	C_6H_7N	**Aniline** *(continued)*	184.35				
11166	$C_7H_7NO_2$	*o*-Nitrotoluene	221.75	Nonazeotrope			551
11167	C_7H_8	Toluene	110.75	Nonazeotrope			551
		"	110.7			v-l	390
11168	C_7H_8O	Anisole	153.85	Nonazeotrope			551
11169	C_7H_8O	Benzyl alcohol	205.25	Nonazeotrope			551
11170	C_7H_8O	*m*-Cresol	202.2	Nonazeotrope			551
11171	C_7H_8O	*o*-Cresol	191.1	191.25	8		551
11172	C_7H_8O	*p*-Cresol	201.7	Nonazeotrope			551
11173	$C_7H_8O_2$	Guaiacol	205.05	Nonazeotrope			551
11174	C_7H_9N	Benzylamine	185.0	185.55	44		568
11175	C_7H_9N	*N*-Methylaniline, 95°-145°C.		Nonazeotrope		v-l	181
11176	C_7H_{14}	Methylcyclohexane	101.15	Nonazeotrope			551
11177	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	168			576
11178	$C_7H_{14}O_3$	Isobutyl lactate	182.15	~ 180			563
11179	C_7H_{16}	Heptane	98.4	Nonazeotrope			527
		"	98.4			v-l	390
11180	$C_7H_{16}O$	*n*-Heptyl alcohol	176.15	175.4	22		551
11181	C_8H_8	Styrene	145.8	Nonazeotrope			551
11182	C_8H_8O	Acetophenone	202.0	Nonazeotrope			551
11183	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			551
11184	C_8H_{10}	*m*-Xylene	139.2	Nonazeotrope			527
11185	C_8H_{10}	*o*-Xylene	144.3	Nonazeotrope			551
11186	C_8H_{10}	*p*-Xylene	138.45	Nonazeotrope			551
11187	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope			551
11188	$C_8H_{10}O$	*p*-Methylanisole	177.05	Nonazeotrope			551
11189	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope			551
11190	$C_8H_{10}O_2$	*o*-Ethoxyphenol	216.5	Nonazeotrope			551
11191	$C_8H_{10}O_2$	Veratrole	206.8	Nonazeotrope			551
11192	$C_8H_{11}N$	*N,N*-Dimethylaniline, 36.7 mm.		95	74.5	v-l	181
		" 101.4 mm.		120	76.1	v-l	181
		" 243.1 mm.		145	77.5	v-l	181
11193	$C_8H_{14}O$	Methylheptenone	173.2	Reacts			535
11194	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	Nonazeotrope			551
11195	$C_8H_{16}O$	2-Octanone	~ 173	Nonazeotrope			563
11196	C_8H_{18}	Isooctane, 86-741 mm.		Nonazeotrope		v-l	1053
11197	C_8H_{18}	Octane 400 mm.		103.80	0.3		911
		" <400 mm.		Min. b.p.			911
		" >400 mm.		Nonazeotrope			911
		"	125.75	Nonazeotrope			551
11198	$C_8H_{18}O$	Butyl ether	142.4	Nonazeotrope			551
11199	$C_8H_{18}O$	Isobutyl ether	122.3	Nonazeotrope			551
11200	$C_8H_{18}O$	*n*-Octyl alcohol	195.2	183.95	83		551
11201	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	179.0	36		551

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A =	C_6H_7N	**Aniline** *(continued)*	**184.35**				
11202	C_9H_8	Indene	182.6	179.75	41.5		551
11203	C_9H_{12}	Cumene	152.8	Nonazeotrope			551
11204	C_9H_{12}	Mesitylene	164.6	Nonazeotrope			196,551
11205	C_9H_{12}	Propylbenzene	159.3	Nonazeotrope			551
11206	C_9H_{12}	Pseudocumene	168.2	<167.8	<13		551
11207	$C_9H_{12}O$	Benzyl ethyl ether	185.0	179.8	51		551
11208	$C_9H_{12}O$	Phenyl propyl ether	190.5	<183.5	<82		551
11209	$C_9H_{13}N$	Dimethyl-*o*-toluidine	185.3	180.55	51.5		549
11210	C_9H_{20}	Nonane	150.7	149.20	13.5		506
		"	150.4	148.94	13.2		911
		"					
		" 600 mm.		140.29	13.9		911
		500 mm.		133.38	14.6		911
		" 400 mm.		126.31	14.9		911
11211	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope			551
11212	$C_{10}H_{14}$	Butylbenzene	183.1	177.8	46		551
11213	$C_{10}H_{14}$	Cymene	176.7	173.5	27		551
		" 50 mm.			21.3	v-l	239
		" 100 mm.		106.3	23	v-l	239
		" 300 mm.				v-l	239
		" 500 mm.				v-l	239
		" 760 mm.		172.80	31.3	v-l	239
11214	$C_{10}H_{16}$	Camphene	159.6	157.5	13		551
11215	$C_{10}H_{16}$	Dipentene	177.7	171.3	39		551
11216	$C_{10}H_{16}$	*d*-Limonene	177.8	171.35	38.8		563
11217	$C_{10}H_{16}$	Nopinene	163.8	161.8	23		551
11218	$C_{10}H_{16}$	α-Phellandrene	171.5	167	~ 30		563
11219	$C_{10}H_{16}$	α-Pinene	155.8	155.25	15		551
11220	$C_{10}H_{16}$	α-Terpinene	173.4	169.5	32		551
11221	$C_{10}H_{16}$	γ-Terpinene	181.5	174	~ 42		538
11222	$C_{10}H_{16}$	Terpinolene	184.6	175.8	52		551
11223	$C_{10}H_{16}$	Thymene	179.7	173.5	41		532
11224	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope			551
11225	$C_{10}H_{16}O$	Fenchone	193	Nonazeotrope			563
11226	$C_{10}H_{18}$	*d*-Menthene	170.8	<167.5	<34		551
11227	$C_{10}H_{18}O$	Cineole	176.35	174.65	30		551
11228	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope			551
11229	$C_{10}H_{18}O$	β-Terpineol	210.75	Nonazeotrope			551
11230	$C_{10}H_{22}$	*n*-Decane	173.3	<169.5	<36		551
		"	174.6	167.28	36		506
11231	$C_{10}H_{22}$	2,7-Dimethyloctane	160.1	<159.5	<22		551
11232	$C_{10}H_{22}O$	Amyl ether	187.5	177.5	55		551
11233	$C_{10}H_{22}O$	Isoamyl ether	173.2	169.35	28		551
11234	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope			527,551
11235	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	<183.8	<80		551
		"	192.2	Nonazeotrope			563

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_6H_7N**	**Aniline** *(continued)*	**184.35**				
11236	$C_{11}H_{24}$	Undecane	195.5	175.90	57.8		506
		"	194.5	175.31	57.5		911
		" 600 mm.		166.03	56.1		911
		" 500 mm.		159.34	55.6		911
		" 450 mm.		155.34	55.6		911
11237	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope			550
11238	$C_{12}H_{22}O$	Ethyl isobornyl ether	203.8	Nonazeotrope			575
11239	$C_{12}H_{26}$	Dodecane	216.5	180.37	71.5		506
11240	$C_{13}H_{28}$	Tridecane	234.6	183.07	87.0		506
		"	235.42	182.93	86.2		911
		" 600 mm.	225.60	174.20	85.4		911
		" 500 mm.	218.20	167.42	85.4		911
		" 400 mm.	209.60	159.43	84.2		911
11241	$C_{14}H_{30}$	Tetradecane	252.5	183.90	95.2		506
A =	**C_6H_7N**	**Picolines**					
11242	C_8H_8	Styrene	145	Min. b.p.			243
11243	C_8H_{10}	Ethylbenzene	136	Min. b.p.			243
11244	C_8H_{10}	Xylenes	140	Min. b.p.			243
A =	**C_6H_7N**	**2-Picoline**	**130.7**				
11245	$C_6H_{10}S$	Allyl sulfide	139.35	<130.2	<95		575
11246	$C_6H_{12}O_3$	Paraldehyde	124.5	Nonazeotrope			981
11247	$C_6H_{14}S$	Propyl sulfide	141.5	129.8	90		575
11248	C_8H_{18}	Octane	125.75	121.12	42		1067
11249	C_8H_{18}	2,2,4-Trimethylpentane	99.3	Nonazeotrope			575
11250	C_9H_{20}	Nonane	150.7	129.2	84.1		1067
A =	**C_6H_7N**	**3-Picoline**	**144**				
11251	$C_6H_{10}S$	Allyl sulfide	139.35	135.5	30		575
11252	C_7H_8	Toluene	110.7	Nonazeotrope			175
11253	C_7H_9N	2,6-Lutidine	144.06	143.5	27.3	v-l	99
11254	C_8H_{18}	2,3,4-Trimethylpentane	113.4	Nonazeotrope			175
A =	**C_6H_7N**	**4-Picoline**	**145.3**				
11255	C_7H_8	Toluene	110.7	Nonazeotrope			175
11256	C_8H_{18}	2,3,4-Trimethylpentane	113.4	Nonazeotrope			175
A =	**C_6H_8ClN**	**1,3-Cyclohexadiene**	**80.8**				
11257	C_6H_{10}	Cyclohexene	82.75	Nonazeotrope			563
11258	C_6H_{12}	Cyclohexane	80.75	79.0	45		561
A =	**C_6H_8ClN**	**Aniline Hydrochloride**					
11259	$C_{12}H_{11}N$	Diphenylamine,					
		100 mm			45.8		425
		" 250 mm.			48		425
		" 350 mm.	265	215	50		425
		" 740 mm		233	65		425
		" 2500 mm.		270			425

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_6H_8N_2$**	**2-Amino-3-methylpyridine**	**221**			
11260	$C_{11}H_{10}$	1-Methylnaphthalene,				
		" 20 mm.		115	68.2	270,271
		" 50 mm.		136	75.2	270,271
		" 150 mm.		166	89.7	270,271
		" 290 mm.		187	96.4	270,271
		" 400 mm.		198	98.7	270,271
		" 760 mm.	244.8	Nonazeotrope		270,271
11261	$C_{11}H_{10}$	2-Methylnaphthalene,				
		" 16 mm.		109	57.5	270,271
		" 50 mm.		137	69.5	270,271
		" 150 mm.		165	76.8	270,271
		" 400 mm.		196	92	270,271
		" 550 mm.		209	96	270,271
		" 760 mm.	241.1	Nonazeotrope		270,271
A =	**$C_6H_8N_2$**	***o*-Phenylenediamine**	**258.6**			
11262	$C_7H_7NO_2$	*m*-Nitrotoluene	230.8	Nonazeotrope		551
11263	$C_7H_7NO_2$	*p*-Nitrotoluene	238.9	Nonazeotrope		527
11264	$C_7H_8O_2$	*m*-Methoxyphenol	243.8	Nonazeotrope		551
11265	$C_8H_{10}O$	Phenethyl alcohol	219.4	Nonazeotrope		527
11266	$C_9H_{12}O$	3-Phenylpropanol	235.6	Nonazeotrope		527
11267	$C_{10}H_8O$	1-Naphthol	288.0	Nonazeotrope		527
11268	$C_{10}H_{10}O_2$	Isosafrole	252.0	249.2	30	527
11269	$C_{10}H_{10}O_2$	Safrole	235.9	Nonazeotrope		527
11270	$C_{10}H_{12}O$	Anethole	235.7	Nonazeotrope		527
11271	$C_{10}H_{12}O_2$	Eugenol	254.8	Nonazeotrope		551
11272	$C_{10}H_{12}O_2$	Isoeugenol	268.8	Nonazeotrope		575
11273	$C_{10}H_{20}O$	Menthol	216.3	Nonazeotrope		527
11274	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	<243.0	<17	527
11275	$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethylbenzene	254.7	250.5	38	527
11276	$C_{11}H_{14}O_2$	1,2-Dimethoxy-4-propenylbenzene	270.5	Nonazeotrope		551
11277	$C_{12}H_{10}$	Acenaphthene	277.9	<258.0		527
11278	$C_{12}H_{10}$	Biphenyl	256.1	249.7	37	527
11279	$C_{12}H_{10}O$	Phenyl ether	259.0	251.2	46	527
11280	$C_{13}H_{12}$	Diphenylmethane	265.4	254.0	70	527
11281	$C_{14}H_{14}$	1,2-Diphenylethane	284.5	Nonazeotrope		527
A =	**$C_6H_8O_4$**	**Methyl Fumarate**	**193.25**			
11282	$C_6H_8O_4$	Methyl maleate	204.05	Nonazeotrope		527
11283	$C_6H_{10}O_4$	Ethyl oxalate	185.65	Nonazeotrope		527
11284	$C_6H_{10}O_4$	Glycol diacetate	186.3	Nonazeotrope		549
11285	$C_6H_{12}O_2$	Caproic acid	205.15	Nonazeotrope		575
11286	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	Nonazeotrope		527
11287	C_7H_7Br	α-Bromotoluene	198.5	<192.3		575
11288	C_7H_7Br	*m*-Bromotoluene	184.3	183.65	16	527
11289	C_7H_7Br	*o*-Bromotoluene	181.5	Nonazeotrope		527
11290	C_7H_7Cl	α-Chlorotoluene	179.3	Nonazeotrope		527

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	$C_6H_8O_4$	**Methyl Fumarate** *(continued)*	**193.25**			
11291	C_7H_8O	*m*-Cresol	202.2	204.3	72	526
11292	C_7H_8O	*o*-Cresol	191.1	197.8	60	570
11293	C_7H_8O	*p*-Cresol	201.7	204.0	29	527
11294	$C_7H_{12}O_4$	Ethyl malonate	199.35	Nonazeotrope		527
11295	$C_8H_8O_2$	Methyl benzoate	199.4	Nonazeotrope		527,549
11296	$C_8H_{10}O$	*p*-Methylanisole	177.05	Nonazeotrope		527
11297	$C_8H_{18}O$	*n*-Octyl alcohol	195.2	<190.1	<72	527
11298	C_9H_8	Indene	182.6	Nonazeotrope		575
11299	$C_9H_{12}O$	Benzyl ethyl ether	185.0	183.5	32	527
11300	$C_9H_{18}O_2$	Methyl caprylate	192.9	189.4	46	527
11301	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		575
11302	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope		575
11303	$C_{10}H_{16}$	Dipentene	177.7	172.5	70	562
11304	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope		575
11305	$C_{10}H_{16}$	α-Terpinene	173.4	170.5	75	562
11306	$C_{10}H_{18}O$	Borneol	215	Nonazeotrope		575
11307	$C_{10}H_{18}O$	Cineole	176.35	175.75	15	557
11308	$C_{10}H_{18}O$	Citronellal	208.0	Nonazeotrope		575
11309	$C_{10}H_{20}O_2$	Ethyl-caprylate	208.35	Nonazeotrope		575
11310	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	189.3	95	569
		"	192.7	189.3	43	549
11311	$C_{10}H_{22}O$	Isoamyl ether	173.2	172.35	16	527
11312	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	185.5	48	527
11313	$C_{12}H_{22}O$	Bornyl ethyl ether	204.9	191.2	80	557
11314	$C_{12}H_{22}O$	Ethyl isobornyl ether	203.8	<191.5	<81	557
A =	$C_6H_8O_4$	**Methyl Maleate**	**204.05**			
11315	$C_6H_{10}O_4$	Methyl succinate	195.5	Nonazeotrope		527
11316	$C_6H_{12}O_2$	Caproic acid	205.15	201.5	63	562
11317	$C_6H_{12}O_2$	Isocaproic acid	199.5	198.3	40	562
11318	C_7H_7Br	α-Bromotoluene	198.5	197.7	12	575
11319	C_7H_8O	Benzyl alcohol	205.25	Reacts		527
11320	C_7H_8O	*m*-Cresol	202.2	208.75	55	527
11321	C_7H_8O	*o*-Cresol	191.1	204.65	78	527
11322	C_7H_8O	*p*-Cresol	201.7	208.6	56	569,570
11323	$C_7H_8O_2$	Guaiacol	205.05	205.15	20	527
11324	$C_7H_{12}O_4$	Ethyl malonate	199.35	Nonazeotrope		527
11325	C_8H_8O	Acetophenone	202.0	201.0	39	569
11326	$C_8H_8O_2$	Methyl benzoate	199.4	198.95	25	527
11327	$C_8H_8O_2$	Phenyl acetate	195.7	Nonazeotrope		527
11328	$C_8H_{10}O$	3,4-Xylenol	226.8	Nonazeotrope		527
11329	$C_8H_{10}O_2$	*m*-Dimethoxybenzene	214.7	<202.8	>55	557
11330	$C_8H_{10}O_2$	*o*-Ethoxyphenol	216.5	Nonazeotrope		575
11331	$C_8H_{10}O_2$	Veratrole	206.8	<200.9		557
11332	$C_8H_{14}O_4$	Propyl oxalate	214	Nonazeotrope		575
11333	$C_8H_{16}O_3$	Isoamyl lactate	202.4	200.0	45	575
11334	$C_8H_{18}O$	Octyl alcohol	195.2	193.55	32	550

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_8H_8O_4$**	**Methyl Maleate *(continued)***	**204.05**				
11335	$C_9H_{10}O_2$	Ethyl benzoate	212.5	Nonazeotrope			527
11336	$C_{10}H_8$	Naphthalene	218.0	203.7	87		527
11337	$C_{10}H_{12}O$	Estragol	215.6	Nonazeotrope			557
11338	$C_{10}H_{18}O$	Borneol	215.0	202.95	78		527
11339	$C_{10}H_{18}O$	Citronellal	208.0	Nonazeotrope			575
11340	$C_{10}H_{18}O$	Geraniol	229.6	Nonazeotrope			575
11341	$C_{10}H_{18}O$	Linalool	198.6	<197.2	<40		575
11342	$C_{10}H_{18}O$	α-Terpineol	218.85	<203.8			575
11343	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	190.65	25		527
11344	$C_{10}H_{22}S$	Isoamyl sulfide	214.8	203.0	82		566
11345	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope			527
11346	$C_{11}H_{16}O$	Methyl thymyl ether	216.5	Nonazeotrope			557
11347	$C_{12}H_{18}$	Triethylbenzene	215.5	<202.8	>72		527
11348	$C_{12}H_{22}O$	Ethyl isobornyl ether	203.8	<197.8			557
A =	**C_6H_{10}**	**Biallyl**	**60.1**				
11349	C_6H_{14}	2,3-Dimethylbutane	58.0	< 57.5	42		561
A =	**C_6H_{10}**	**Cyclohexene**	**82.75**				
11350	C_6H_{12}	Cyclohexane	80.0	Nonazeotrope		v-l	365
		"	80.75	< 80.6	>10		561
11351	C_6H_{14}	Hexane	68.95	Nonazeotrope			563
11352	$C_6H_{14}O$	Propyl ether	90.55	Nonazeotrope			548
11353	$C_6H_{14}O_2$	Acetal	103.55	Nonazeotrope			558
11354	C_7H_{14}	Methylcyclohexane	101.15	Nonazeotrope			575
11355	C_7H_{16}	Heptane	98.4	Nonazeotrope			575
A =	**C_6H_{10}**	**Hexyne**	**70.2**				
11355a	C_6H_{12}	Hexene	63.6	Nonazeotrope		v-l	498f
11355b	C_6H_{14}	Hexane 400 mm.		47.8	31.7	v-l	498f
		" 600 mm.		59.8	34.2	v-l	498f
		" 760 mm.		67.2	34.0	v-l	498f
A =	**C_6H_{10}**	**Methylcyclopentene**	**75.85**				
11356	C_6H_{14}	Hexane	68.8	< 68.6	> 7		561
A =	**$C_6H_{10}O$**	**Cyclohexanone**	**155.7**				
11357	$C_6H_{12}O$	Cyclohexanol	160.8	Nonazeotrope			274,552
		" 100 mm.		Nonazeotrope		v-l	177
		" 300 mm.		119.6	87.7	v-l	248
		" 100 mm.		91	82.7	v-l	248
		" 30 mm.		Nonazeotrope		v-l	248
11358	$C_6H_{12}O_3$	Propyl lactate	171.7	Nonazeotrope			552
11359	$C_6H_{13}ClO_2$	Chloroacetal	157.4	155.3			552
11360	$C_6H_{14}O$	Hexyl alcohol	157.85	155.65	94		552
11361	$C_6H_{14}S$	Propyl sulfide	141.5	Nonazeotrope			575
11362	C_7H_7Cl	*o*-Chlorotoluene	159.2	Nonazeotrope			552
11363	C_7H_7Cl	*p*-Chlorotoluene	162.4	Nonazeotrope			552
11364	C_7H_8O	Anisole	153.85	Nonazeotrope			552
11365	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	Nonazeotrope			552

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_6H_{10}O$**	**Cyclohexanone** *(continued)*	**155.7**				
11366	$C_7H_{14}O_2$	Methyl caproate	149.7	Nonazeotrope			552
11367	C_8H_{10}	*o*-Xylene	144.3	Nonazeotrope			552
11368	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope			552
11369	$C_8H_{16}O_2$	Isoamyl propionate	160.7	Nonazeotrope			552
11370	$C_8H_{16}O_2$	Isobutyl butyrate	156.9	155.3	60		552
11371	$C_8H_{16}O_2$	Propyl isovalerate	155.7	155.2	45		552
11372	C_9H_{12}	Cumene	152.8	152.0	65		552
11373	C_9H_{12}	Mesitylene	164.6	Nonazeotrope			552
11374	C_9H_{12}	Pseudocumene	168.2	Nonazeotrope			575
11375	$C_{10}H_{16}$	Camphene	159.6	150.55	57.5		552
11376	$C_{10}H_{16}$	Nopinene	163.8	152.2	65		552
11377	$C_{10}H_{16}$	α-Pinene	155.8	149.8	40		552
11378	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope			552
11379	$C_{10}H_{22}$	2,7-Dimethyloctane	160.1	151.5	55		552
A =	**$C_6H_{10}O$**	**Mesityl Oxide**	**130.5**				
11380	$C_6H_{10}S$	Allyl sulfide	139.35	Nonazeotrope			566
11381	$C_6H_{12}O$	4-Methyl-2-pentanone	116.2	Nonazeotrope			981
11382	$C_6H_{12}O_2$	Butyl acetate	126.0	Nonazeotrope			527
11383	$C_6H_{12}O_2$	4-Hydroxy-4-methyl-2-pentanone	169.2	Nonazeotrope			981
11384	$C_6H_{12}O_2$	Isoamyl formate	123.8	Nonazeotrope			527
11385	$C_6H_{12}O_2$	Propyl propionate	123.0	Nonazeotrope			527
11386	$C_6H_{12}O_3$	Paraldehyde	124.35	Nonazeotrope			552
11387	C_7H_8	Toluene	110.75	Nonazeotrope			527
11388	$C_7H_{12}O$	3-Hepten-2-one	162.9	Nonazeotrope			981
11389	C_7H_{14}	Methylcyclohexane	101.15	Nonazeotrope			552
11390	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	Nonazeotrope			527
11391	$C_7H_{14}O_2$	Isobutyl propionate	134.0	Nonazeotrope			552
11392	$C_7H_{14}O_2$	Propyl isobutyrate	133.9	Nonazeotrope			531
11393	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			527
11394	C_8H_{10}	*m*-Xylene	139.2	Nonazeotrope			527
11395	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	118.0	25		552
11396	$C_8H_{16}O_2$	4-Methyl-2-pentyl acetate	146.1	Nonazeotrope			981
11397	$C_8H_{16}O_2$	Propyl isovalerate	134.7	Nonazeotrope			552
11398	C_8H_{18}	Octane	125.75	121.0	35		527
11399	$C_8H_{18}O$	Butyl ether	142.4	Nonazeotrope			552
11400	$C_8H_{18}O$	Isobutyl ether	122.3	Nonazeotrope			552
11401	$C_8H_{19}N$	Diisobutylamine	138.5	<128.5	>25		575
11402	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	169.4	Nonazeotrope			981
A =	**$C_6H_{10}O$**	**Methyldihydropyran**					
11402a	$C_6H_{12}O_2$	4,4-Dimethyl-1,3-dioxane		Nonazeotrope			581c
		"	133.3	Nonazeotrope		v-l	581g
11402b	$C_6H_{14}O$	Isopropyl ether	69	Nonazeotrope			581c

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_6H_{10}O$**	**2,5-Hexanedione**	**192.2**				
11403	C_7H_8O	*m*-Cresol	202.4		36.3	v-l	730
11404	C_7H_8O	*p*-Cresol	202.0		32.2	v-l	730
11405	C_8H_9Cl	*o,m,p*-Chloroethylbenzene, 10 mm.	67.5	66.0	24		51
11406	$C_8H_{18}O$	Octyl alcohol	195.2	190.0	65		860
11407	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	<179.0	>18		575
A =	**$C_6H_{10}O_3$**	**Ethyl Acetoacetate**	**180.4**				
11408	$C_6H_{10}O_4$	Ethyl oxalate	185.65	Nonazeotrope			527
11409	$C_6H_{12}O_2$	Isocaproic acid	199.5	Nonazeotrope			552
11410	$C_7H_6Cl_2$	α,α-Dichlorotoluene	205.1	Nonazeotrope			563
11411	C_7H_6O	Benzoic acid	179.2	Reacts			563
11412	C_7H_7Br	α-Bromotoluene	198.5	Azeotrope doubtful			563
11413	C_7H_7Br	*m*-Bromotoluene	184.3	176.5	55		527
11414	C_7H_7Br	*o*-Bromotoluene	181.5	174.7	51		552
11415	C_7H_7Br	*p*-Bromotoluene	185	176.5	55		552
11416	C_7H_7Cl	α-Chlorotoluene	179.3	175	35		552
11417	C_7H_7Cl	*o*-Chlorotoluene	159.2	Nonazeotrope			552
11418	C_7H_7Cl	*p*-Chlorotoluene	162.4	Nonazeotrope			552
11419	C_7H_8O	Anisole	153.85	Nonazeotrope			552
11420	C_7H_8O	*o*-Cresol	190.8	Reacts			563
11421	C_8H_8	Styrene	145.8	Nonazeotrope			552
11422	C_8H_8O	Acetophenone	202.0	Nonazeotrope			552
11423	$C_8H_8O_2$	Phenyl acetate	195.7	Nonazeotrope			552
11424	C_8H_{10}	*m*-Xylene	139	Nonazeotrope			564
11425	C_8H_{10}	*o*-Xylene	144.3	Nonazeotrope			552
11426	C_8H_{10}	*p*-Xylene	138.4	Nonazeotrope			564
11427	$C_8H_{10}O$	*p*-Methylanisole	177.05	175.7			571
11428	$C_8H_{10}O$	Phenetole	170.45	169.8	24		552
11429	$C_8H_{10}O_2$	Veratrole	206.8	Nonazeotrope			552
11430	$C_8H_{14}O$	Methylheptenone	173.2	173.0	30?		552
11431	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope			552
11432	$C_8H_{16}O_2$	Isoamyl propionate	160.7	Nonazeotrope			552
11433	$C_8H_{18}O$	Butyl ether	142.4	Nonazeotrope			552
11434	$C_8H_{18}O$	*sec*-Octyl alcohol	179.0	Nonazeotrope			572
11435	$C_8H_{18}S$	Butyl sulfide	185.0	<178.5	<78		566
11436	$C_8H_{18}S$	Isobutyl sulfide	172.0	171.0	10		567
11437	C_9H_8	Indene	182.6	177.15	68		552
11438	C_9H_{12}	Mesitylene	164.6	162.5	32		552
11439	C_9H_{12}	Propylbenzene	159.3	158.3	24		552
11440	C_9H_{12}	Pseudocumene	168.2	165.2	37		552
11441	$C_9H_{12}O$	Benzyl ethyl ether	185.0	175.5	>75		552
11442	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	Nonazeotrope			552
11443	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	174.5	60		564
11444	$C_9H_{18}O_2$	Isoamyl isobutyrate	169.8	169.0	20		552
11445	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	170.2	25		552

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_6H_{10}O_3$**	**Ethyl Acetoacetate** *(continued)*	**180.4**			
11446	$C_9H_{18}O_2$	Methyl caprylate	192.9	180.0	80	575
11447	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		552
11448	$C_{10}H_{14}$	Butylbenzene	183.1	174.0	52	552
11449	$C_{10}H_{14}$	Cymene	176.7	170.5	41	552
11450	$C_{10}H_{16}$	Camphene	159.6	156.15	30	552
11451	$C_{10}H_{16}$	Dipentene	177.7	169.05	43	552
11452	$C_{10}H_{16}$	*d*-Limonene	177.8	169.05	43	563
11453	$C_{10}H_{16}$	Nopinene	163.8	159.3	<35	552
11454	$C_{10}H_{16}$	α-Phellandrene	171.5	165	~ 40	563
11455	$C_{10}H_{16}$	α-Pinene	155.8	153.35	22	552
11456	$C_{10}H_{16}$	α-Terpinene	173.4	166.6	40	552
11457	$C_{10}H_{16}$	Terpinene	181.5	171.0	50	545
11458	$C_{10}H_{16}$	Terpinolene	184.6	172.2	55	552
11459	$C_{10}H_{16}O$	Fenchone	193.6	Nonazeotrope		552
11460	$C_{10}H_{18}$	*m*-Menthene-8	170.8	164.9		552
11461	$C_{10}H_{18}O$	Cineol	176.35	168.75	43	552
11462	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	179.5	77	552
11463	$C_{10}H_{22}$	2,7-Dimethyloctane	160.1	156.0	24	552
11464	$C_{10}H_{22}O$	Amyl ether	187.5	174.5	70	552
11465	$C_{10}H_{22}O$	Isoamyl ether	173.2	167.4	40	552
11466	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	<179.0		552
11467	$C_{12}H_{18}$	1,3,5-Triethylbenzene	216	Nonazeotrope		563
11468	$C_{12}H_{22}O$	Ethyl isobornyl ether	203.8	Nonazeotrope		552
A =	**$C_6H_{10}O_4$**	**Butylene Glycol Diformate**				
11469	C_nH_m	Hydrocarbon		min. b.p.		618
A =	**$C_6H_{10}O_4$**	**Ethylidene Diacetate**	**168.5**			
11470	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope		527
11471	$C_6H_{14}O$	Hexyl alcohol	157.85	<157.3		575
11472	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	166.7	64	527
11473	$C_6H_{14}O_2$	Pinacol	174.35	<167.0		575
11474	C_7H_7Br	*m*-Bromotoluene	184.3	Nonazeotrope		527
11475	C_7H_7Br	*o*-Bromotoluene	181.5	Nonazeotrope		575
11476	C_7H_7Cl	α-Chlorotoluene	179.3	Nonazeotrope		575
11477	C_7H_7Cl	*p*-Chlorotoluene	162.4	<161.0	>70	527
11478	C_7H_8O	Anisole	153.85	Nonazeotrope		527
11479	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope		527
11480	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	<165.8	<57	575
11481	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	Nonazeotrope		527
11482	C_8H_{10}	*m*-Xylene	139.2	Nonazeotrope		527
11483	C_8H_{10}	*o*-Xylene	144.3	Nonazeotrope		527
11484	$C_8H_{10}O$	Benzyl methyl ether	167.8	164.0	48	527
11485	$C_8H_{10}O$	*p*-Methylanisole	177.05	<168.3	>62	557
11486	$C_8H_{10}O$	Phenetole	170.45	164.5	56	527
11487	$C_8H_{14}O$	Methylheptenone	173.2	Nonazeotrope		552
11488	$C_8H_{16}O$	2-Octanone	172.85	Nonazeotrope		552

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_6H_{10}O_4$**	**Ethylidene Diacetate** *(continued)*	**168.5**			
11489	$C_8H_{16}O_2$	Butyl butyrate	166.4	163.5	37	527
11490	$C_8H_{16}O_2$	Ethyl caproate	167.7	164.0	45	549
11491	$C_8H_{16}O_2$	Hexyl acetate	171.5	<166.5	<67	527
11492	$C_8H_{16}O_2$	Isoamyl propionate	160.7	159.3	23	549
11493	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	168.3	93.5	527
11494	$C_9H_{18}O_2$	Butyl isovalerate	177.6	167.5		575
11495	$C_9H_{18}O_2$	Isoamyl isobutyrate	169.8	165.0	60	527
11496	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	165.5	65	527
11497	$C_{10}H_{14}$	Cymene	176.7	165.5	>62	567
11498	$C_{10}H_{16}$	Camphene	159.6	<157.0	>32	527
11499	$C_{10}H_{16}$	α-Pinene	155.8	<154.0	>25	527
11500	$C_{10}H_{18}O$	Cineole	176.35	164.95	66	527
11501	$C_{10}H_{22}O$	Isoamyl ether	173.2	161.5	57	527
A =	**$C_6H_{10}O_4$**	**Ethyl Oxalate**	**185.65**			
11502	$C_6H_{10}O_4$	Methyl succinate	195.5	Nonazeotrope		527
11503	$C_6H_{12}O_2$	Isocaproic acid	199.7	Nonazeotrope		527
11504	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope		526
11505	$C_6H_{13}Br$	1-Bromohexane	156.5	Nonazeotrope		575
11506	$C_6H_{14}O_2$	2-Butoxyethanol	171.25	Reacts		526
11507	C_7H_5N	Benzonitrile	191.1	Nonazeotrope		565
11508	C_7H_6O	Benzaldehyde	179.2	Nonazeotrope		563
11509	C_7H_7Br	*m*-Bromotoluene	184.3	179.0	46	527
11510	C_7H_7Br	*o*-Bromotoluene	181.75	177.40	38	527
11511	C_7H_7Br	*p*-Bromotoluene	185	<180.2	<49	528
11512	C_7H_7Cl	α-Chlorotoluene	179.35	Nonazeotrope		563
11513	C_7H_7Cl	*o*-Chlorotoluene	159.2	Nonazeotrope		527
11514	C_7H_7Cl	*p*-Chlorotoluene	162.4	Nonazeotrope		527
11515	C_7H_8O	Anisole	153.85	Nonazeotrope		527
11516	C_7H_8O	*m*-Cresol	202.2	202.3	~ 3	542
11517	C_7H_8O	*o*-Cresol	191.1	194.1	36	542
11518	C_7H_8O	*p*-Cresol	201.7	202.0	6.5	542
11519	C_7H_9N	Methylaniline	196.1	Reacts		563
11520	$C_7H_{13}ClO_2$	Isoamyl chloroacetate	190.5	181.5	~ 65	564
11521	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	Nonazeotrope		575
11522	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	Nonazeotrope		527
11523	$C_7H_{16}O$	Heptyl alcohol	176.15	175.5		527
11524	C_8H_8	Styrene	145.8	Nonazeotrope		575
11525	$C_8H_8O_2$	Phenyl acetate	195.7	Nonazeotrope		527
11526	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope		527,557
11527	$C_8H_{10}O$	*p*-Methylanisole	177.05	< 176.3		557
11528	$C_8H_{10}O$	Phenetole	171.5	Nonazeotrope		527
11529	$C_8H_{10}O_2$	Veratrol	205.5	Nonazeotrope		557
11530	$C_8H_{16}O_2$	Hexyl acetate	171.5	Nonazeotrope		575
11531	$C_8H_{18}O$	Octyl alcohol	195.15	Reacts		535
11532	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	178.85	33	567
11533	C_9H_8	Indene	182.6	< 181.0	<43	575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_6H_{10}O_4$**	**Ethyl Oxalate** *(continued)*	**185.65**				
11534	C_9H_{12}	Cumene	152.8	Nonazeotrope			575
11535	C_9H_{12}	Mesitylene	164.6	Nonazeotrope			546
11536	C_9H_{12}	Pseudocumene	168.2	167.95	~ 6		541
11537	$C_9H_{12}O$	Benzyl ethyl ether	185.0	< 181.8	<50		527
11538	$C_9H_{18}O_2$	Butyl isovalerate	177.6	176.3	25		527
11539	$C_9H_{18}O_2$	Ethyl enanthate	188.7	183.0	60		549
11540	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	179.45	32.5		568
11541	$C_9H_{18}O_2$	Isobutyl isovalerate	185.65	Nonazeotrope			527
11542	$C_9H_{18}O_2$	Methyl caprylate	192.9	184.2	70		549
11543	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope			575
11544	$C_{10}H_{14}$	Butylbenzene	183.1	< 180.0	<44		562
11545	$C_{10}H_{14}$	Cymene	175.3	~ 173	~ 15		563
11546	$C_{10}H_{16}$	Camphene	159.6	158.5	16		574
11547	$C_{10}H_{16}$	Dipentene	177.7	172.2	40		575
11548	$C_{10}H_{16}$	*d*-Limonene	177.8	172.2	41		563
11549	$C_{10}H_{16}$	Nopinene	163.8	161.5	27		546
11550	$C_{10}H_{16}$	α-Pinene	155.8	154.8	20		537
11551	$C_{10}H_{16}$	α-Terpinene	173.3	170.5	30		546
11552	$C_{10}H_{16}$	γ-Terpinene	181.5	173.5	45		538
11553	$C_{10}H_{16}$	Terpinolene	185	173	~ 50		563
11554	$C_{10}H_{16}$	Thymene	179.7	~ 176.0	40.5		537
11555	$C_{10}H_{18}$	*m*-Menthene-8	170.8	168.0	28		575
11556	$C_{10}H_{18}O$	Cineole	176.35	173.5	28		557
11557	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope			575
		"	198.6	185.6	~ 97		574
11558	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	184.1	69		527
11559	$C_{10}H_{22}$	2,7-Dimethyloctane	160.1	188.5	28		562
11560	$C_{10}H_{22}O$	Amyl ether	187.5	177.7	54		527
11561	$C_{10}H_{22}O$	Isoamyl ether	173.2	170.15	29		527
		"	172.6	Nonazeotrope			535
11562	$C_{11}H_{20}O$	Methyl isobornyl ether	192.2	181.15	88?		557
11563	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope			575
11564	$C_{12}H_{22}O$	Ethyl isobornyl ether	203.8	Nonazeotrope			557
A =	**$C_6H_{10}O_4$**	**Glycol Diacetate**	**186.3**				
11565	$C_8H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope			575
11566	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	Nonazeotrope			575
11567	C_7H_7Br	*o*-Bromotoluene	181.5	< 179.8	<32		575
11568	C_7H_7Br	*p*-Bromotoluene	185.0	< 182.0	<45		575
11569	C_7H_8O	*m*-Cresol	202.4		24	v-l	730
11570	C_7H_8O	*o*-Cresol	191.1	194.5	35		562
11571	C_7H_8O	*p*-Cresol	202.0		23	v-l	730
11572	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	Nonazeotrope			527
11573	$C_8H_8O_2$	Phenyl acetate	195.7	Nonazeotrope			575
11574	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope			557
11575	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope			557

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_6H_{10}O_4$**	**Glycol Diacetate** *(continued)*	**186.3**			
11576	$C_8H_{10}O_2$	Veratrole	206.8	Nonazeotrope		557
11577	$C_8H_{18}O$	Octyl alcohol	195.2	< 186.0		575
11578	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	179.2		567
11579	C_9H_{12}	Mesitylene	164.6	Nonazeotrope		575
11580	C_9H_{12}	Propylbenzene	159.3	Nonazeotrope		575
11581	$C_9H_{12}O$	Benzyl ethyl ether	185.0	< 181.2		557
11582	$C_9H_{18}O_2$	Butyl isovalerate	177.6	< 177.0	>15	549
11583	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	179.0	38	549
11584	$C_{10}H_{14}$	Butylbenzene	183.1	< 181.2	<42	575
11585	$C_{10}H_{16}$	Dipentene	177.7	< 173.5	<37	575
11586	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	184.6	75	549
11587	$C_{10}H_{22}O$	Amyl ether	187.5	< 179.0	<60	557
11588	$C_{10}H_{22}O$	Isoamyl ether	173.2	170.1		557
11589	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	< 183.5	<82	557
A =	**$C_6H_{10}O_4$**	**Methyl Succinate**	**195.5**			
11590	$C_6H_{12}O_2$	Caproic acid	205.15	Nonazeotrope		575
11591	$C_6H_{12}O_2$	Isocaproic acid	199.5	< 194.2	<80	562
11592	C_7H_5N	Benzonitrile	191.1	Nonazeotrope		565
11593	$C_7H_6Cl_2$	α,α-Dichlorotoluene	205.2	Nonazeotrope		547
11594	C_7H_7Br	α-Bromotoluene	198.5	< 192.5	>55	575
11595	C_7H_7Br	*m*-Bromotoluene	184.3	182.6	<21	575
11596	C_7H_7Br	*o*-Bromotoluene	181.5	< 181.0	<10	575
11597	C_7H_7Br	*p*-Bromotoluene	185.0	180.0		547
11598	C_7H_8O	*o*-Cresol	190.8	198.8	~ 60	563
11599	C_7H_8O	*p*-Cresol	201.8	204.7		563
11600	$C_7H_{12}O_4$	Ethyl malonate	199.35	Nonazeotrope		575
11601	C_8H_8O	Acetophenone	202.0	Nonazeotrope		552
11602	$C_8H_8O_2$	Methyl benzoate	199.4	Nonazeotrope		575
11603	$C_8H_8O_2$	Phenyl acetate	195.5	Nonazeotrope		572
11604	$C_8H_{10}O$	*p*-Methylanisole	177.05	Nonazeotrope		557
11605	$C_8H_{18}O$	*n*-Octyl alcohol	195.15	192.5	50	572
11606	C_9H_8	Indene	182.6	Nonazeotrope		575
11607	C_9H_{12}	Mesitylene	164.6	Nonazeotrope		546
11608	C_9H_{12}	Propylbenzene	159.3	Nonazeotrope		575
11609	C_9H_{12}	Pseudocumene	168.2	Nonazeotrope		575
11610	$C_9H_{14}O$	Phorone	197.8	Nonazeotrope		552
11611	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	Nonazeotrope		549
11612	$C_{10}H_8$	Naphthalene	218.1	Nonazeotrope		546
11613	$C_{10}H_{16}$	Camphene	159.6	~ 159.0	10	546
11614	$C_{10}H_{16}$	*d*-Limonene	177.8	175.5	26	529
11615	$C_{10}H_{16}$	α-Pinene	155.8	155.5	<10	546
11616	$C_{10}H_{16}$	α-Terpinene	173.4	172.5	19	562
11617	$C_{10}H_{16}$	γ-Terpinene	181.5	178.0	32	538
11618	$C_{10}H_{16}$	Terpinolene	185	~ 178	~ 28	563
11619	$C_{10}H_{16}$	Thymene	179.7	178.2	~ 32	530
11620	$C_{10}H_{17}Cl$	Bornyl chloride	207.5	< 195.2		575
11621	$C_{10}H_{18}O$	Cineole	176.35	< 176.0	<95	557

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_8H_{10}O_4$**	**Methyl Succinate** *(continued)*	**195.5**			
11622	$C_{10}H_{18}O$	Linalool	198.6	Reacts		536
11623	$C_{10}H_{20}O$	Menthol	212	Nonazeotrope?		563
11624	$C_{10}H_{20}O_2$	Ethyl caprylate	208.35	Nonazeotrope		549
11625	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	191.0	30	549
11626	$C_{10}H_{22}O$	Isoamyl ether	173.2	< 172.5		557
11627	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	186.4		557
11628	$C_{12}H_{18}$	1,3,5-Triethylbenzene	216	Nonazeotrope		546
11629	$C_{12}H_{22}O$	Ethyl isobornyl ether	203.8	193.0	75	557
A =	**$C_6H_{10}S$**	**Allyl Sulfide**	**139.35**			
11630	$C_6H_{12}O$	Cyclohexanol	160.8	Nonazeotrope		566
11631	$C_6H_{12}O$	2-Hexanone	127.2	Nonazeotrope		566
11632	$C_6H_{12}O$	4-Methyl-2-pentanone	116.05	Nonazeotrope		566
11633	$C_6H_{12}O_2$	Butyl acetate	126.0	Nonazeotrope		566
11634	$C_6H_{12}O_2$	Ethyl butyrate	121.5	Nonazeotrope		566
		"	119.9	~ 117.5	~ 15	563
11635	$C_6H_{12}O_2$	Isoamyl formate	123.6	~ 120	~ 20	563
11636	$C_6H_{14}O$	Hexyl alcohol	157.85	Nonazeotrope		566
11637	$C_7H_{14}O$	4-Heptanone	143.55	138.2	75	566
11638	$C_7H_{16}O_2$	Dipropoxymethane	137.2	< 135.5	>68	562
11639	C_8H_{10}	Ethylbenzene	136.15	< 136.0	>11	566
11640	C_8H_{10}	*m*-Xylene	139.2	< 138.3	>52	566
11641	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	Nonazeotrope		566
11642	$C_8H_{18}O$	Butyl ether	142.4	< 139.0	70	566
A =	**$C_6H_{11}BrO_2$**	**Ethyl α-bromoisobutyrate**	**178**			
11643	C_7H_6O	Benzaldehyde	179.2	Azeotrope doubtful		563
11644	C_7H_7Cl	α-Chlorotoluene	179.3	~ 173.5	~ 60	532
11645	$C_8H_{18}O$	*sec*-Octyl alcohol	178.7	~ 175		563
11646	$C_{10}H_{16}$	*d*-Limonene	177.8	174	~ 55	563
A =	**$C_6H_{11}ClO_2$**	**Butyl Chloroacetate**	**181.8**			
11647	C_7H_7Br	*o*-Bromotoluene	181.5	179.5	45	562
11648	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope		575
11649	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope		575
11650	$C_8H_{18}O$	Octyl alcohol	195.2	Nonazeotrope		575
11651	$C_{10}H_{14}$	Butylbenzene	183.1	< 179.5	<70	562
11652	$C_{10}H_{14}$	Cymene	176.7	175.4	25	575
11653	$C_{10}H_{16}$	Dipentene	177.7	175.0	32	562
11654	$C_{10}H_{22}O$	Isoamyl ether	173.2	Nonazeotrope		575
A =	**$C_6H_{11}ClO_2$**	**Isobutyl Chloroacetate**	**174.5**			
11655	C_7H_7Cl	*p*-Chlorotoluene	162.4	Nonazeotrope		575
11656	$C_8H_{10}O$	Phenetole	170.45	170.0	12	575
11657	C_9H_{12}	Propylbenzene	159.3	Nonazeotrope		575
11658	$C_{10}H_{14}$	Cymene	176.7	172.2	65	562
11659	$C_{10}H_{16}$	Camphene	159.6	Nonazeotrope		575
11660	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope		575
11661	$C_{10}H_{18}O$	Cineole	176.35	173.2	70	562

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_8H_{11}ClO_2$**	**Isobutyl Chloroacetate**	**174.5**				
		(continued)					
11662	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope			575
11663	$C_{10}H_{22}O$	Amyl ether	187.5	Nonazeotrope			575
11664	$C_{10}H_{22}O$	Isoamyl ether	173.2	172.0	38		562
A =	**$C_6H_{11}N$**	**Capronitrile**	**163.9**				
11665	$C_6H_{12}O$	Hexyl alcohol	157.85	158.0	36		567
11666	$C_6H_{14}O$	Cyclohexanol	160.8	< 156.6	>19		567
11667	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	Nonazeotrope			575
11668	C_8H_{10}	*m*-Xylene	139.2	Nonazeotrope			575
11669	C_9H_{12}	Cumene	152.8	150.8	18		575
11670	$C_{10}H_{16}$	Camphene	159.6	143.0	35		562
11671	$C_{10}H_{16}$	α-Pinene	155.8	142.0	30		562
A =	**$C_6H_{11}NO_2$**	**Nitrocyclohexane**	**205.3**				
11672	$C_6H_{15}NO$	2-(Diethylamino)ethanol	162.2	Nonazeotrope			575
11673	C_7H_6O	Benzaldehyde	179.2	Nonazeotrope			554
11674	C_7H_9N	Methylaniline	196.25	Nonazeotrope			551
11675	C_7H_9N	*m*-Toluidine	203.1	< 203.0	> 4		551
11676	C_7H_9N	*o*-Toluidine	200.35	Nonazeotrope			551
11677	$C_7H_{14}O_3$	Isobutyl lactate	182.15	Nonazeotrope			575
11678	$C_8H_{11}N$	Dimethylaniline	194.15	Nonazeotrope			551
11679	$C_8H_{11}N$	Ethylaniline	205.5	< 204.8			551
11680	$C_8H_{16}O_3$	Isoamyl lactate	202.4	< 201.0	>28		575
11681	$C_8H_{18}S$	Butyl sulfide	185.0	Nonazeotrope			575
11682	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	Nonazeotrope			551
A =	**C_6H_{12}**	**Cyclohexane**	**80.75**				
11683	C_6H_{12}	Methylcyclopentane 60°C		Nonazeotrope		v-l	55
		"	71.8	Nonazeotrope		v-l	936
11684	$C_6H_{12}O$	Cyclohexanol 35-55°		Nonazeotrope		v-l	149
		"	161.1	Nonazeotrope			981
11685	$C_6H_{12}O$	4-Methyl-2-pentanone, 450-760 mm.		Nonazeotrope		v-l	189
		"	116.05	Nonazeotrope			527
11686	$C_6H_{12}O$	Pinacolone	106.2	Nonazeotrope			552
11687	$C_6H_{12}O_2$	Butyl acetate	126			v-l	682
11688	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	Nonazeotrope			575
11689	$C_6H_{13}N$	Cyclohexylamine	134	Nonazeotrope		v-l	704,718c
11690	C_6H_{14}	Hexane	68.95	Nonazeotrope		v-l	677,807c
11691	$C_6H_{14}O$	4-Methyl-2-pentanol	131.8	Nonazeotrope			781
11692	$C_6H_{14}O$	Propyl ether	90.55	Nonazeotrope			548
11693	$C_6H_{14}O_2$	Acetal	103.55	Nonazeotrope			538
11694	C_7H_8	Toluene	110.7	Nonazeotrope		v-l	200,676
		"	110.7	Nonazeotrope			563, 812c
11695	C_7H_{14}	Methylcyclohexane	100.80	Nonazeotrope		v-l	805

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_6H_{12}**	**Cyclohexane *(continued)***	**80.75**				
11696	C_7H_{16}	2,4-Dimethylpentane	80.5	80.2	48.6		630
11697	C_7H_{16}	Heptane	98.4			v-l	163,677
11698	C_7H_{16}	2,2,3-Trimethylbutane	80.8	80.0	46.6		630
		" 744 mm.	80.1	79.45	47.8	v-l	365
		"	80.75	Nonazeotrope			575
11699	C_8H_{18}	2,5-Dimethylhexane	109.4	Nonazeotrope			575
11699a	C_8H_{18}	2,2,4-Trimethylpentane		Nonazeotrope		v-l	43e
A =	**C_6H_{12}**	**1-Hexene**	**63.5**				
11700	C_6H_{14}	Hexane	68.74	Nonazeotrope		v-l	362c,933
11700a	$C_6H_{15}N$	Diisopropylamine		Nonazeotrope		v-l	406c
11700b	$C_6H_{15}N$	Dipropylamine		Nonazeotrope		v-l	406c
11700c	$C_6H_{15}N$	Hexylamine		Nonazeotrope		v-l	406c
11700d	$C_6H_{15}N$	Triethylamine		Nonazeotrope		v-l	406c
A =	**C_6H_{12}**	**Methylcyclopentane**	**71.95**				
11701	C_6H_{14}	Hexane	68.8	< 67.9	>25		418,561
		" 60°C				v-l	55
		" 200-760 mm.	68.95	Nonazeotrope		v-l	230,677
11702	$C_6H_{14}O$	Isopropyl ether	68.3	< 68.0	<20		558
11703	$C_6H_{15}N$	Triethylamine	89.35	Nonazeotrope			551
11704	C_7H_8	Toluene	110.7	Nonazeotrope		v-l	676
11704a	$C_6H_{12}O_2$	Butyl acetate 725 mm.		Nonazeotrope		v-l	684c
A =	**$C_6H_{12}O$**	**Cyclohexanol**	**160.8**				
11705	$C_6H_{12}O_3$	Isopropyl lactate	166.8	< 160.7			575
11706	$C_6H_{12}O_3$	Paraldehyde	124.35	Nonazeotrope			575
11707	$C_6H_{12}O_3$	Propyl lactate	171.7	Nonazeotrope			575
11708	$C_6H_{13}Br$	1-Bromohexane	156.5	< 153.7	<34		575
11709	$C_6H_{13}ClO_2$	Chloroacetal	156.8	155.6	15		563
11710	$C_6H_{13}N$	Cyclohexylamine	134			v-l	705,718c
11711	$C_6H_{14}O$	Hexyl alcohol	157.95	Nonazeotrope			538
11712	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	Nonazeotrope			575
11713	C_7H_6O	Benzaldehyde	179.2	Nonazeotrope			575
11714	C_7H_7Br	*m*-Bromotoluene	184.3	Nonazeotrope			527
11715	C_7H_7Br	*o*-Bromotoluene	181.45	160.6?	~ 98		530
11716	C_7H_7Br	*p*-Bromotoluene	185.0	Nonazeotrope			575
11717	C_7H_7Cl	α-Chlorotoluene	179.35	Nonazeotrope			563
11718	C_7H_7Cl	*o*-Chlorotoluene	159.3	155.5	38		573
11719	C_7H_7Cl	*p*-Chlorotoluene	162.4	156.5	55		531
11720	C_7H_8	Toluene	110.75	Nonazeotrope			541
11721	C_7H_8O	Anisole	153.85	152.45	30		529
11722	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope			542
11723	$C_7H_{12}O_2$	Cyclohexyl formate, 50 mm.		79.4	50		413
11724	C_7H_{14}	Methylcyclohexane	101.1	Nonazeotrope			537
11725	$C_7H_{14}O_2$	Methyl caproate	149.8	Nonazeotrope			575
11726	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	144.6	Nonazeotrope			575
11727	C_7H_{16}	Heptane	98.45	Nonazeotrope			541
11728	C_8H_8	Styrene	145.8	144			537

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_6H_{12}O$**	**Cyclohexanol** *(continued)*	**160.8**			
11729	C_8H_{10}	*m*-Xylene	139.0	138.9	5	563
11730	C_8H_{10}	*o*-Xylene	143.6	143.0	14	563
11731	C_8H_{10}	*p*-Xylene	138.2	Nonazeotrope		541
11732	$C_8H_{10}O$	Benzyl methyl ether	167.8	159.0	62	556,878
11733	$C_8H_{10}O$	Phenetole	170.35	159.2	~ 72	529
11734	$C_8H_{10}O$	*p*-Methylanisole	177.05	160.5	92	564
11735	$C_8H_{11}N$	Dimethylaniline	194.05	Nonazeotrope		551
11736	$C_8H_{14}O$	Cyclohexyl vinyl ether, 45 mm.		71-80	21	1008
11737	$C_8H_{14}O$	Methylheptenone	173.2	Nonazeotrope		552
11738	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	Nonazeotrope		575
11739	$C_8H_{16}O$	2-Octanone	172.85	Nonazeotrope		552
11740	$C_8H_{16}O_2$	Butyl butyrate	166.4	< 160.5		575
11741	$C_8H_{16}O_2$	Isoamyl propionate	~ 160.3	157.7	~ 63	563
11742	$C_8H_{16}O_2$	Isobutyl butyrate	156.8	156	~ 20	537
11743	$C_8H_{16}O_2$	Isobutyl isobutyrate	147.3	Nonazeotrope		537
11744	$C_8H_{16}O_2$	Propyl isovalerate	155.7	155.1	17	575
11745	$C_8H_{18}O$	Butyl ether	142.1	Nonazeotrope		576
11746	$C_8H_{18}O$	Isobutyl ether	122.3	Nonazeotrope		575
11747	$C_8H_{18}S$	Butyl sulfide	185.0	Nonazeotrope		566
11748	C_9H_8	Indene	181.7	160	75	537
11749	C_9H_{12}	Cumene	152.8	150.0	28	567
11750	C_9H_{12}	Mesitylene	164.0	156.3	~ 50	563
11751	C_9H_{12}	Propylbenzene	158.8	153.8	40	537
11752	C_9H_{12}	Pseudocumene	169	158	~ 60	563
11753	$C_9H_{12}O$	Benzyl ethyl ether	185.0	Nonazeotrope		575
11754	$C_9H_{18}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	Nonazeotrope		551
11755	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	Nonazeotrope		552
11756	$C_9H_{18}O_2$	Isobutyl isovalerate	168.7	Nonazeotrope		536
11757	$C_{10}H_8$	Naphthalene	218.05	Nonazeotrope		540
11758	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope		575
11759	$C_{10}H_{14}$	Cymene	176.7	159.5	72	537
11760	$C_{10}H_{16}$	Camphene	159.5	151.9	41	528
11761	$C_{10}H_{16}$	*d*-Limonene	177.8	159.25	73.5	541
11762	$C_{10}H_{16}$	α-Phellandrene	171.5	158	65	563
11763	$C_{10}H_{16}$	α-Pinene	155.8	149.9	35.5	563
11764	$C_{10}H_{16}$	α-Terpinene	173.4	158.3	65	567
11765	$C_{10}H_{16}$	γ-Terpinene	183	160.3	83	575
11766	$C_{10}H_{16}$	Terpinene	181	159.8		563
11767	$C_{10}H_{16}$	Terpinolene	184.6	160.5	87	575
11768	$C_{10}H_{16}$	Thymene	179.7	159.8	78	573
11769	$C_{10}H_{18}$	*d*-Menthene	170.8	~ 157.5	~ 62	563
11770	$C_{10}H_{18}O$	Cineole	176.35	160.55	92	574
11771	$C_{10}H_{22}$	2,7-Dimethyloctane	160.2	153.0	~ 62	537
11772	$C_{10}H_{22}O$	Amyl ether	187.5	Nonazeotrope		556
11773	$C_{10}H_{22}O$	Isoamyl ether	172.6	158.8	78	574

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_6H_{12}O$**	**2-Hexanone**	**127.2**				
11774	$C_6H_{12}O_2$	Butyl acetate	126.0	125.4	32		527
11775	$C_6H_{12}O_2$	Isoamyl formate	123.8	Nonazeotrope			552
11776	$C_7H_{14}O_2$	Propyl isobutyrate	134.0	Nonazeotrope			552
A =	**$C_6H_{12}O$**	**3-Hexanone**	**123.3**				
11777	$C_6H_{12}O_2$	Butyl acetate	126.0	123.1			552
11778	$C_6H_{12}O_2$	Ethyl butyrate	121.5	Nonazeotrope			552
11779	$C_6H_{12}O_2$	Isoamyl formate	123.8	123.0	50		552
11780	$C_6H_{12}O_2$	Isobutyl acetate	117.4	Nonazeotrope			552
11781	$C_6H_{12}O_2$	Methyl isovalerate	116.5	Nonazeotrope			552
11782	$C_6H_{12}O_2$	Propyl propionate	123.0	122.5	40		552
11783	$C_6H_{14}S$	Isopropyl sulfide	120.5	119.0	32		555
11784	$C_6H_{15}BO_3$	Ethyl borate	118.6	116.7	28		552
11785	$C_6H_{15}N$	Dipropylamine	109.2	Nonazeotrope			551
11786	C_7H_8	Toluene	110.75	Nonazeotrope			552
11787	C_7H_{16}	*n*-Heptane	98.4	Nonazeotrope			527
11788	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			575
11789	C_8H_{10}	*m*-Xylene	139.2	Nonazeotrope			527
11790	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	116.0	37		552
11791	$C_8H_{19}N$	Diisobutylamine	138.5	Nonazeotrope			575
A =	**$C_6H_{12}O$**	**4-Methyl-2-pentanone**	**116.05**				
11792	$C_6H_{12}O_2$	Ethyl butyrate	121.5	Nonazeotrope			527
11793	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	Nonazeotrope			527
11794	$C_6H_{12}O_2$	Isobutyl acetate	117.4	115.6			552
11795	$C_6H_{12}O_2$	Isopropyl propionate	110.5	Nonazeotrope			552
11796	$C_6H_{12}O_2$	Methyl isovalerate	116.5	115.6	55		527
11797	$C_6H_{14}S$	Isopropyl sulfide	120.5	114.9	72		555
11798	$C_6H_{15}N$	Dipropylamine	109.2	<105.5	<32		551
11799	C_7H_8	Toluene	110.75	110.7	3		527
11800	C_7H_{14}	Methylcyclohexane	101.15	<100.1	<20		527
		" 410 mm.		80	~14	v-l	859i
		" 760 mm.	100.8	99.9	20.8	v-l	859i
11801	C_7H_{16}	Heptane	98.4	97.5	13		552
11802	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			527
11803	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	112.0	53		552
11804	$C_8H_{16}O_2$	4-Methyl-2-pentyl acetate	146.1	Nonazeotrope			981
11805	C_8H_{18}	*n*-Octane	125.75	113.4	65		527
11806	$C_8H_{18}O$	Isobutyl ether	122.3	Nonazeotrope			575
11807	$C_8H_{19}N$	Diisobutylamine	138.5	Nonazeotrope			575
11808	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	169.4	Nonazeotrope			981
A =	**$C_6H_{12}O$**	**Pinacolone**	**106.2**				
11809	$C_6H_{12}O_2$	Ethyl isobutyrate	110.1	Nonazeotrope			552
11810	$C_6H_{12}O_2$	Isopropyl propionate	110.5	Nonazeotrope			552
11811	C_6H_{14}	Hexane	68.8	Nonazeotrope			552
11812	$C_6H_{14}O_2$	Acetal	103.55	Nonazeotrope			575
11813	$C_6H_{15}N$	Dipropylamine	109.2	<104.5			575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_6H_{12}O$**	**Pinacolone *(continued)***	**106.2**				
11814	C_7H_8	Toluene	110.75	106.0	85		552
11815	C_7H_{14}	Methylcyclohexane	101.15	97.0	32		552
11816	C_7H_{16}	Heptane	98.4	95.5	28		552
11817	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	104.0	75		552
A =	**$C_6H_{12}O_2$**	**Butyl Acetate**	**126.0**				
11818	$C_6H_{12}O_2$	*sec*-Butyl acetate	112.2	Nonazeotrope			981
11819	$C_6H_{12}O_2$	Isoamyl formate	123.8	Nonazeotrope			575
11820	$C_6H_{12}O_2$	Propyl propionate	123.0	Nonazeotrope			575
11821	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.8	Nonazeotrope			575
11822	$C_6H_{12}O_3$	Paraldehyde	124.35	124.25	9		527
11823	$C_6H_{14}O_2$	2-Butoxyethanol	171.1	Nonazeotrope			981
11824	$C_6H_{14}S$	Propyl sulfide	141.5	Nonazeotrope			575
11825	C_7H_8	Toluene	110.75	Nonazeotrope			527
11826	$C_7H_{14}O_2$	Propyl isobutyrate	134.0	Nonazeotrope			575
11826a	C_7H_{16}	Heptane 74.7°C.		Nonazeotrope		v-l	848e
		" 100°C.		Nonazeotrope		v-l	848e
11827	$C_7H_{16}O_2$	Dipropoxymethane	137.2	Nonazeotrope			557
11828	C_8H_{10}	Ethylbenzene	136.1	Nonazeotrope			527
11829	C_8H_{10}	*m*-Xylene	139.0	Nonazeotrope			527
11830	C_8H_{10}	*p*-Xylene	138.45	Nonazeotrope			527
11831	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	<118.0	<37		575
11832	C_8H_{18}	Octane	125.8	119	52		538
11833	$C_8H_{18}O$	Butyl ether	142.1	125.9	95		981
11834	$C_8H_{18}O$	Isobutyl ether	122.3	Nonazeotrope			557
11835	$C_{10}H_{16}$	Camphene	159.6	Nonazeotrope			575
11836	$C_{10}H_{16}$	Nopinene	163.8	Nonazeotrope			527
11837	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope			575
11837a	$C_6H_{12}O_2$	4-Methyl-4-hydroxy-tetrahydropyran 3 mm.		Azeotropic			581c
11837b	$C_6H_{14}O_3$	3-Methyl-1,3,5-pentanetriol 3 mm.		Nonazeotrope			581c
A =	**$C_6H_{12}O_2$**	**Caproic Acid**	**205.3**				
11838	$C_7H_6Cl_2$	α,α-Dichlorotoluene	205.2	199.0	36		542
11839	C_7H_7Br	α-Bromotoluene	198.5	~ 196.5	77		563
11840	C_7H_7Br	*o*-Bromotoluene	181.5	180.8	6		541
11841	C_7H_7Br	*p*-Bromotoluene	185.0	184.0	8		541
11842	C_7H_7BrO	*o*-Bromoanisole	217.7	Nonazeotrope			575
11843	C_7H_7Cl	α-Chlorotoluene	179.3	179.0	~ 3		541
11844	C_7H_7Cl	*m*-Chlorotoluene	162.3	Nonazeotrope			564
11845	C_7H_7Cl	*o*-Chlorotoluene	159.2	Nonazeotrope			564
11846	C_7H_7Cl	*p*-Chlorotoluene	162.4	Nonazeotrope			564
11847	C_7H_7I	*p*-Iodotoluene	214.5	202.2	50		562
11848	$C_7H_7NO_2$	*o*-Nitrotoluene	221.85	~ 205.0	~ 96		542
11849	$C_7H_7NO_2$	*p*-Nitrotoluene	238.9	Nonazeotrope			554
11850	C_7H_8O	*m*-Cresol	202.2	201.9	13		564
11851	C_7H_8O	*o*-Cresol	190.8	Nonazeotrope			563

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	$C_8H_{12}O_2$	**Caproic Acid** *(continued)*	**205.3**				
11852	C_7H_8O	*p*-Cresol	201.7	201.5	11		564
		"	201.8	Nonazeotrope			563
11853	$C_7H_8O_2$	Guaiacol	205.05	200.8	42		556
11854	$C_7H_{12}O_4$	Ethyl malonate	199.35	198.5	12		562
11855	$C_7H_{13}ClO_2$	Isoamyl chloroacetate	190.5	Nonazeotrope			575
11856	C_8H_8O	Acetophenone	202.0	200.5	32		552
11857	$C_8H_8O_2$	Benzyl formate	203.0	<202.2	20		575
11858	$C_8H_8O_2$	Phenyl acetate	195.7	Nonazeotrope			541
11859	$C_8H_{10}O$	*p*-Ethylphenol	218.8	Nonazeotrope			575
11860	$C_8H_{10}O$	3,4-Xylenol	226.8	Nonazeotrope			564
11861	$C_8H_{10}O_2$	*m*-Dimethoxybenzene	216.2	Nonazeotrope			543
11862	$C_8H_{10}O_2$	*o*-Ethoxyphenol	216.5	Nonazeotrope			575
11863	$C_8H_{10}O_2$	Veratrole	206.5	~ 202.5	~ 42		537
11864	$C_8H_{14}O_4$	Propyl oxalate	214	Nonazeotrope			575
11865	$C_8H_{16}O_2$	Octanoic acid, 20-100 mm.		Nonazeotrope		v-l	822
11866	$C_8H_{16}O_4$	2-(2-Ethoxyethoxy)ethyl acetate	218.5	Nonazeotrope			575
11867	$C_8H_{17}NO$	*N,N*-Dimethylhexanamide, 100 mm.		Max. b.p.			832
11868	C_9H_8	Indene	182.6	Nonazeotrope			575
11869	$C_9H_{10}O$	Propiophenone	217.7	Nonazeotrope			552
11870	$C_9H_{10}O_2$	Benzyl acetate	215.0	Nonazeotrope			575
11871	$C_9H_{10}O_2$	Ethyl benzoate	212.5	Nonazeotrope			575
11872	C_9H_{12}	Mesitylene	164.6	Nonazeotrope			564
11873	C_9H_{12}	Pseudocumene	168.2	Nonazeotrope			543
11874	$C_9H_{12}O$	Benzyl ethyl ether	185.0	Nonazeotrope			575
11875	$C_9H_{12}O$	Phenyl propyl ether	190.5	Nonazeotrope			575
11876	$C_9H_{14}O$	Phorone	197.8	Nonazeotrope			552
11877	$C_9H_{18}O_2$	Methyl caprylate	192.9	Nonazeotrope			575
11878	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	Nonazeotrope			575
11879	$C_{10}H_7Cl$	1-Chloronaphthalene	262.7	Nonazeotrope			564
11880	$C_{10}H_8$	Naphthalene	218.05	203.75	71		564
11881	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope			543
11882	$C_{10}H_{16}$	*d*-Limonene	177.8	177.0	~ 5		541
11883	$C_{10}H_{16}$	Nopinene	163.8	Nonazeotrope			575
11884	$C_{10}H_{16}$	Terpinolene	185	Azeotrope doubtful			563
11885	$C_{10}H_{16}$	Thymene	179.7	179.0	~ 3		541
11886	$C_{10}H_{16}O$	Camphor	209.1	204.0			552
11887	$C_{10}H_{17}Cl$	Bornyl chloride	207.5	200.0	38		562
11888	$C_{10}H_{18}O$	Citronellal	207.8	~ 203.5			541
11889	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope			575
11890	$C_{10}H_{20}O_2$	Methyl pelargonate	213.8	<204.5	<95		566
11891	$C_{10}H_{22}S$	Isoamyl sulfide	214.8	Nonazeotrope			575
11892	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	Nonazeotrope			575
11893	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope			527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_6H_{12}O_2$**	**Caproic Acid *(continued)***	**205.3**			
11894	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	Nonazeotrope		575
11895	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	202.0	63	564
11896	$C_{12}H_{22}O$	Ethyl isobornyl ether	203.5	<201.5	>30	563
A =	**$C_6H_{12}O_2$**	**4,4-Dimethyl-1,3-dioxane**	**133.4**			
11896a	$C_7H_{12}O_2$	4-Methyl-4-vinyl-1,3-dioxane		Nonazeotrope		581c
A =	**$C_6H_{12}O_2$**	**Ethyl Butyrate**	**121.5**			
11897	$C_6H_{12}O_2$	Isoamyl formate	123.8	Nonazeotrope		575
11898	$C_6H_{12}O_2$	Isobutyl acetate	117.4	Nonazeotrope		575
11899	$C_6H_{12}O_2$	Methyl isovalerate	116.5	Nonazeotrope		575
11900	$C_6H_{12}O_2$	Propyl propionate	123.0	Nonazeotrope		575
11901	$C_6H_{12}O_3$	Paraldehyde	124	Nonazeotrope		557
11902	$C_6H_{14}S$	Isopropyl sulfide	120.5	<120.0	<42	566
11903	$C_6H_{15}BO_3$	Ethyl borate	118.6	117.6	35	549
11904	C_7H_8	Toluene	110.7	Nonazeotrope		563
11905	C_7H_{14}	Methylcyclohexane	101.1	Nonazeotrope		546
11906	$C_7H_{14}O_2$	Isoamyl acetate	137.5	Nonazeotrope		388
11907	C_7H_{16}	Heptane	98.5	Nonazeotrope		527
11908	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope		575
11909	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	116.7	<50	562
11910	C_8H_{18}	Octane	125.8	Nonazeotrope		563
		"	125.8	118.0	>60	546
11911	$C_8H_{18}O$	Isobutyl ether	122.3	120.5	20	557
A =	**$C_6H_{12}O_2$**	**Ethyl Isobutyrate**	**110.1**			
11912	$C_6H_{12}O_2$	Methyl isovalerate	116.5	Nonazeotrope		575
11913	$C_6H_{14}O_2$	Acetal	103.55	Nonazeotrope		557
11914	$C_6H_{14}O_2$	Ethoxypropoxymethane	113.7	Nonazeotrope		557
11915	$C_6H_{14}S$	Isoproyl sulfide	120.5	Nonazeotrope		566
11916	C_7H_8	Toluene	110.75	109.8		573
11917	C_7H_{14}	Methylcyclohexane	101.1	100.1	<20	546
11918	C_7H_{16}	Heptane	98.5	97.0	17	527
11919	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	<109.5	<88	575
11920	C_8H_{18}	Octane	125.75	<109.8	<96	575
11921	$C_8H_{18}O$	Isobutyl ether	122.2	Nonazeotrope		557
A =	**$C_6H_{12}O_2$**	**4-Hydroxy-methyl-2-pentanone**	**166**			
11922	C_8H_9Cl	*o,m,p*-Chloroethylbenzene, 10 mm.	67.5	59.0	58	51
11923	C_9H_{12}	*x*-Ethyltoluene, 20 mm.		< 80	25	1040
A =	**$C_6H_{12}O_2$**	**Isoamyl Formate**	**123.8**			
11924	$C_6H_{12}O_2$	Propyl propionate	122.5	Nonazeotrope		545
11925	$C_6H_{12}O_3$	Paraldehyde	124.1	123.0	56	557
11926	C_7H_8	Toluene	110.7	Nonazeotrope		563
11927	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope		573
11928	C_8H_{18}	Octane	125.8	<116.5	~ 55	563
11929	$C_8H_{18}O$	Isobutyl ether	122.3	121.5	65	557

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_6H_{12}O_2$**	**Isobutyl Acetate**	**117.2**			
11930	$C_6H_{12}O_2$	Methyl isovalerate	116.5	Nonazeotrope		549
11931	$C_6H_{12}O_3$	Paraldehyde	124	Nonazeotrope		557
11932	$C_6H_{14}O_2$	Acetal	103.55	Nonazeotrope		557
11934	$C_6H_{14}S$	Isopropyl sulfide	120.5	115.2	57	566
11934	$C_6H_{15}BO_3$	Ethyl borate	118.6	117.0	63	549
11935	C_7H_8	Toluene	110.6	Nonazeotrope		572
11936	C_7H_{16}	Heptane	98.5	Nonazeotrope		546
11937	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope		575
11938	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	<114.0	<62	562
11939	C_8H_{18}	Octane	125.8	114.5	>70	546
11940	$C_8H_{18}O$	Isobutyl ether	122.3	Nonazeotrope		557
A =	**$C_6H_{12}O_2$**	**Isocaproic Acid**	**199.5**			
11941	C_7H_6O	Benzaldehyde	179.2	Nonazeotrope		575
11942	$C_7H_6O_2$	Salicylaldehyde	196.7	<196.4		575
11943	C_7H_7Br	α-Bromotoluene	198.5	193.0	32	562
11944	C_7H_7Br	*m*-Bromotoluene	184.3	183.0	10	562
11945	C_7H_7Br	*o*-Bromotoluene	181.5	180.5	9	575
11946	C_7H_7Br	*p*-Bromotoluene	185.0	183.0	12	575
11947	C_7H_7Cl	α-Chlorotoluene	179.3	178.0	8	575
11948	C_7H_7Cl	*o*-Chlorotoluene	159.2	Nonazeotrope		575
11949	C_7H_7Cl	*p*-Chlorotoluene	162.4	Nonazeotrope		575
11950	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope		575
11951	C_7H_8O	*p*-Cresol	201.7	199.1	80?	575
11952	$C_7H_8O_2$	Guaiacol	205.05	<198.5	>80	575
11953	$C_7H_{12}O_4$	Ethyl malonate	199.35	196.5	42	562
11954	C_8H_8O	Acetophenone	202.0	<199.2		575
11955	$C_8H_8O_2$	Benzyl formate	203.0	198.8	62	575
11956	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope		575
11957	$C_8H_{10}O$	*p*-Methylanisole	177.05	Nonazeotrope		575
11958	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope		575
11959	C_9H_8	Indene	182.6	Nonazeotrope		575
11960	C_9H_{12}	Mesitylene	164.6	Nonazeotrope		575
11961	$C_9H_{12}O$	Benzyl ethyl ether	185.0	Nonazeotrope		575
11962	$C_9H_{12}O$	Phenyl propyl ether	190.5	190.0	10	575
11963	$C_{10}H_8$	Naphthalene	218.0	199.0	75	562
11964	$C_{10}H_{14}$	Cymene	176.7	<176.2	> 3	575
11965	$C_{10}H_{16}$	Dipentene	177.7	176.5	10	562
11966	$C_{10}H_{16}$	Limonene	177.7	176.5	10	575
11967	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope		575
11968	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope		575
11969	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope		575
11970	$C_{10}H_{22}O$	Amyl ether	187.5	<186.5	> 8	575
11971	$C_{10}H_{22}O$	Isoamyl ether	172.6	Nonazeotrope		564
11972	$C_{10}H_{22}S$	Isoamyl sulfide	214.8	Nonazeotrope		566

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_6H_{12}O_2$**	**Methyl Isovalerate**	**116.5**			
11973	$C_6H_{12}O_3$	Paraldehyde	124.35	Nonazeotrope		557
11974	$C_6H_{14}O_2$	Acetal	103.55	Nonazeotrope		557
11975	C_7H_8	Toluene	110.75	Nonazeotrope		573
11976	C_7H_{14}	Methylcyclohexane	101.15	Nonazeotrope		575
11977	C_7H_{16}	Heptane	98.5	Nonazeotrope		527
11978	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	<115.0	<75	575
11979	C_8H_{18}	Octane	125.75	<115.5	<88	575
11980	$C_8H_{18}O$	Isobutyl ether	122	Nonazeotrope		557
A =	**$C_6H_{12}O_2$**	**Propyl Propionate**	**122.5**			
11981	C_7H_8	Toluene	110.75	Nonazeotrope		538
11982	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope		538
11983	C_8H_{18}	Octane	125.8	118.2	60	538
A =	**$C_6H_{12}SO_2$**	**2,4-Dimethylsulfolane**				
11984	$C_{15}H_{18}$	Amyl naphthalene, 20 mm.		151	75	667
11985	$C_{16}H_{34}$	Hexadecane, 20 mm.		142	75	667
A =	**$C_6H_{12}O_3$**	**2-Ethoxyethyl Acetate**	**156.8**			
11986	$C_6H_{12}O_3$	Isopropyl lactate	166.8	Nonazeotrope		575
11987	$C_6H_{13}Br$	1-Bromohexane	156.5	<155.0	<49	575
11988	$C_6H_{14}O$	Hexyl alcohol	157.85	<156.0	<63	575
11989	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	Nonazeotrope		556
11990	C_7H_6O	Benzaldehyde	179.2	Nonazeotrope		526
11991	C_7H_7Cl	*o*-Chlorotoluene	159.2	156.6	90	526
11992	C_7H_7Cl	*p*-Chlorotoluene	162.4	Nonazeotrope		575
11993	C_7H_8	Toluene	110.6	Nonazeotrope		981
11994	C_7H_8O	Anisole	153.85	Nonazeotrope		556
11995	C_7H_8O	*m*-Cresol	202.2	Nonazeotrope		526
11996	C_7H_8O	*o*-Cresol	191.1	191.5	10	556
11997	C_7H_8O	*p*-Cresol	201.7	Nonazeotrope		526
11998	$C_7H_{14}O$	2-Heptanone	143.55	Nonazeotrope		575
11999	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	Nonazeotrope		575
12000	$C_7H_{14}O$	5-Methyl-2-hexanone	144.2	Nonazeotrope		575
12001	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	Nonazeotrope		575
12002	$C_7H_{14}O_2$	Isoamyl acetate	142.1	Nonazeotrope		575
12003	$C_7H_{14}O_2$	Propyl butyrate	143.7	Nonazeotrope		575
12004	$C_7H_{16}O$	Heptyl alcohol	176.15	Nonazeotrope		575
12005	$C_7H_{16}O_3$	Ethyl orthoformate	145.75	Nonazeotrope		556
12006	C_8H_8	Styrene	145.8	Nonazeotrope		575
12007	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope		526
12008	C_8H_{10}	*m*-Xylene	139.2	Nonazeotrope		527
12009	C_8H_{10}	*o*-Xylene	144.3	Nonazeotrope		526
12010	C_8H_{10}	*p*-Xylene	138.45	Nonazeotrope		526
12011	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope		575
12012	$C_8H_{10}O$	*p*-Methylanisole	177.05	Nonazeotrope		575
12013	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope		526

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_6H_{12}O_3$**	**2-Ethoxyethyl Acetate** *(continued)*	**156.8**			
12014	$C_8H_{16}O$	2-Octanone	172.85	Nonazeotrope		575
12015	$C_8H_{16}O_2$	Ethyl caproate	167.7	Nonazeotrope		575
12016	$C_8H_{16}O_2$	Hexyl acetate	171.5	Nonazeotrope		575
12017	$C_8H_{16}O_2$	Isoamyl propionate	160.7	156.5	90	526
12018	$C_8H_{16}O_2$	Isobutyl butyrate	156.9	156.0	52	526
12019	$C_8H_{16}O_2$	Isobutyl isobutyrate	148.6	Nonazeotrope		575
12020	$C_8H_{16}O_2$	Propyl isovalerate	155.7	<155.0	<35	575
12021	$C_8H_{18}O$	Butyl ether	142.4	141.7	88	526
12022	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	Nonazeotrope		526
12023	C_9H_{12}	Cumene	152.8	152.0	15	575
12024	C_9H_{12}	Mesitylene	164.6	Nonazeotrope		575
12025	C_9H_{12}	Propylbenzene	159.3	<156.0	>70	575
12026	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	Nonazeotrope		575
12027	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	Nonazeotrope		575
12028	$C_9H_{18}O_2$	Isobutyl isovalerate	171.3	Nonazeotrope		526
12029	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope		526
12030	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		575
12031	$C_{10}H_{16}$	Camphene	159.6	153.2	68	526
12032	$C_{10}H_{16}$	Nopinene	163.8	154.0	80	562
12033	$C_{10}H_{16}$	α-Pinene	155.8	151.0	50	526
12034	$C_{10}H_{16}$	α-Terpinene	173.4	<156.5	<93	575
12035	$C_{10}H_{16}$	Terpinolene	184.6	Nonazeotrope		575
12036	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope		556
12037	$C_{10}H_{22}$	2,7-Dimethyloctane	160.1	153.0	75	562
12038	$C_{10}H_{22}O$	Isoamyl ether	173.2	156.45	94	527,556
A =	**$C_6H_{12}O_3$**	**Isopropyl Lactate**	**166.8**			
12039	$C_6H_{14}O$	Hexyl alcohol	157.85	Nonazeotrope		575
12040	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope		575
12041	C_7H_8O	*p*-Cresol	201.7	Nonazeotrope		575
12042	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	165.5	67	575
12043	$C_7H_{16}O$	Heptyl alcohol	176.15	Nonazeotrope		575
12044	C_9H_{12}	Mesitylene	164.6	159.5	60	567
12045	$C_{10}H_{16}$	Camphene	159.6	154.2	30	567
12046	$C_{10}H_{16}$	Nopinene	163.8	157.5	38	567
12047	$C_{10}H_{16}$	α-Pinene	155.8	152.5	22	575
A =	**$C_6H_{12}O_3$**	**Paraldehyde**	**124.35**			
12048	$C_6H_{14}O$	Hexyl alcohol	157.85	Nonazeotrope		575
12049	$C_6H_{15}BO_3$	Ethyl borate	118.6	Nonazeotrope		548
12050	C_7H_8	Toluene	110.7	Nonazeotrope		563
12051	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	Nonazeotrope		557
12052	$C_7H_{14}O_2$	Isobutyl propionate	137.5	Nonazeotrope		557
12053	$C_7H_{14}O_2$	Propyl isobutyrate	134.0	Nonazeotrope		557
12054	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope		563
12055	C_8H_{10}	*m*-Xylene	139.0	Nonazeotrope		315,563
12056	C_8H_{10}	*p*-Xylene	138.4	Nonazeotrope		315,546

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_6H_{12}O_3$**	**Propyl Lactate**	**171.7**			
12057	$C_6H_{13}ClO_2$	Chloroacetal	157.4	Nonazeotrope		575
12058	$C_6H_{14}O$	Hexyl alcohol	157.85	Nonazeotrope		575
12059	$C_6H_{14}O_2$	2-Butoxyethanol	171.25	> 170.75	>55	575
12060	$C_6H_{14}O_2$	Pinacol	171.5	~ 168	~ 37	563
12061	C_7H_6O	Benzaldehyde	179.2	Nonazeotrope		563
12062	C_7H_7Br	*o*-Bromotoluene	181.5	171.0	~ 15	575
12063	C_7H_7Cl	α-Chlorotoluene	179.35	171.2	~ 78	563
12064	C_7H_7Cl	*o*-Chlorotoluene	159.2	< 159.0		575
12065	C_7H_7Cl	*p*-Chlorotoluene	162.4	160.5	18	567
12066	C_7H_8O	Anisole	153.85	Nonazeotrope		556
12067	C_7H_8O	*m*-Cresol	202.2	Nonazeotrope		575
12068	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope		544
12069	C_7H_8O	*p*-Cresol	201.7	Nonazeotrope		544
12070	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	< 167.8	<34	575
12071	$C_7H_{16}O$	Heptyl alcohol	176.15	< 171.55	<90	575
12072	C_8H_8	Styrene	145.8	Nonazeotrope		575
12073	$C_8H_{10}O$	Benzyl methyl ether	167.8	165.5	25	575
12074	$C_8H_{10}O$	*p*-Methylanisole	177.05	< 171.0	>82	575
12075	$C_8H_{10}O$	Phenetole	171.5	167.1	50	556
12076	$C_8H_{16}O$	2-Octanone	172.85	< 171.4	<75	552
12077	$C_8H_{18}O$	*sec*-Octyl alcohol	179.8	Nonazeotrope		575
12078	$C_8H_{18}S$	Isobutyl sulfide	172.0	169.0	48	566
12079	C_9H_{12}	Cumene	152.8	Nonazeotrope		575
12080	C_9H_{12}	Mesitylene	164.6	160.5	28	538
12081	C_9H_{12}	Pseudocumene	108.2	103.5	38	567
12082	$C_9H_{12}O$	Benzyl ethyl ether	185.0	Nonazeotrope		575
12083	$C_9H_{18}O_2$	Isoamyl isobutyrate	169.8	167.5	40	575
12084	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	< 169.0	<52	527
12085	$C_{10}H_{14}$	Cymene	176.7	~ 167.0	60	538
12086	$C_{10}H_{16}$	Camphene	159.6	~ 156.2	17	538
12087	$C_{10}H_{16}$	*d*-Limonene	177.8	166.35	63	563
12088	$C_{10}H_{16}$	Nopinene	163.8	159.0	33	567
12089	$C_{10}H_{16}$	α-Phellandrene	171.5	~ 162.5	~ 50	563
12090	$C_{10}H_{16}$	α-Pinene	155.8	< 154.5		575
12091	$C_{10}H_{16}$	α-Terpinene	173.3	~ 164.0	50	548
12092	$C_{10}H_{18}O$	Cineole	176.3	~ 169	~ 73	563
12093	$C_{10}H_{22}O$	Isoamyl ether	173.2	167.5	53	556
A =	**$C_6H_{13}Br$**	**1-Bromohexane**	**156.5**			
12094	C_6H_{14}	Hexyl alcohol	157.85	150.5	60	575
12095	$C_6H_{14}O_2$	2-Butoxyethanol	171.15	< 156.0		575
12096	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope		575
12097	$C_7H_{14}O_2$	Isoamyl acetate	142.1	Nonazeotrope		575
12098	$C_7H_{16}O$	Heptyl alcohol	176.15	Nonazeotrope		575
12099	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope		559
12100	$C_8H_{16}O_2$	Isobutyl isobutyrate	148.6	Nonazeotrope		575
12101	$C_8H_{16}O_2$	Propyl isovalerate	155.7	< 155.2	>28	575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_6H_{13}Br$**	**1-Bromohexane** *(continued)*	**156.5**				
12102	$C_8H_{18}O$	Butyl ether	142.4	Nonazeotrope			559
12103	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	Nonazeotrope			575
12104	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	Nonazeotrope			575
A =	**$C_6H_{13}ClO_2$**	**Chloroacetal**	**157.4**				
12105	$C_6H_{14}O$	Hexyl alcohol	157.85	< 154.5	<58		575
12106	$C_6H_{14}O_2$	Pinacol	171.5	155.5	<90		563
12107	C_7H_8O	Anisole	153.85	Nonazeotrope			548
12108	$C_7H_{14}O$	4-Heptanone	143.55	Nonazeotrope			575
12109	C_8H_8	**Styrene**	**145.8**	Nonazeotrope			548
12110	C_8H_{10}	***m*-Xylene**	**139.2**	Nonazeotrope			575
12111	C_8H_{10}	***o*-Xylene**	**143.6**	Nonazeotrope			548
12112	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope			575
12113	$C_8H_{16}O$	2-Octanone	172.85	Nonazeotrope			552
12114	$C_8H_{16}O_2$	Isoamyl propionate	160.3	Nonazeotrope			531
12115	$C_8H_{16}O_2$	Propyl isovalerate	155.8	154.7	~ 43		563
12116	C_9H_{12}	Cumene	152.8	< 152.0	<10		575
12117	C_9H_{12}	**Propylbenzene**	**159.2**	< 156.0	<75		548
12118	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	Nonazeotrope			575
12119	$C_9H_{18}O_2$	Isobutyl isovalerate	171.35	Nonazeotrope			545
12120	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope			531
12121	$C_{10}H_{16}$	Camphene	159.5	~ 155.2	56		556
12122	$C_{10}H_{16}$	***d*-Limonene**	**177.8**	Nonazeotrope			531
12123	$C_{10}H_{16}$	Nopinene	163.8	156.2	23		556
12124	$C_{10}H_{16}$	α-Pinene	155.8	153.0	43		556
12125	$C_{10}H_{16}$	α-Terpinene	173.3	Nonazeotrope			548
12126	$C_{10}H_{22}$	2,7-Dimethyloctane	160.2	155.5	35		556
12127	$C_{10}H_{22}O$	**Isoamyl ether**	**173.4**	Nonazeotrope			548
A =	**C_6H_{14}**	**Hexane**	**68.8**				
12127a	$C_6H_{14}O$	Hexyl alcohol	157	Nonazeotrope		v-l	779g
12128	$C_6H_{14}O$	Isopropyl ether	68.3	67.5	47		558
12128a	$C_6H_{15}N$	Diisopropylamine 60°C.		Nonazeotrope		v-l	406c
12128b	$C_6H_{15}N$	Dipropylamine 60°C.		Nonazeotrope		v-l	406c
12128c	$C_6H_{15}N$	Hexylamine 60°C.		Nonazeotrope		v-l	406c
12129	$C_6H_{15}N$	Triethylamine	89.35	Nonazeotrope			551
		" 60°C.		Nonazeotrope		v-l	406c
12130	C_7F_{16}	Perfluoroheptane, crit. region		Azeotropic		v-l	430,431
12131	C_7H_8	Toluene	110.7	Nonazeotrope			163
		" 150-760 mm.		Nonazeotrope		v-l	675
12132	C_7H_{14}	Methylcyclohexane	101.15	Nonazeotrope		v-l	163,677
12133	C_7H_{16}	Heptane	98.45	Vapor pressure data			899
12134	C_8H_{18}	Octane	125.8	Nonazeotrope (b.p. curve)			1045
A =	**$C_6H_{14}O$**	**2-Ethylbutanol**	**147.0**				
12135	C_8H_9Cl	*o,m,p*-Chloroethylbenzene, 10 mm.	67.5	54.9	74		51

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_6H_{14}O$**	**2-Ethylbutanol** *(continued)*	**147.0**				
12136	$C_8H_{16}O$	2-Ethylhexaldehyde	163.6	Nonazeotrope			981
12137	$C_8H_{17}Cl$	3-(Chloromethyl) heptane, 50 mm.	89	77	61		982
		" 100 mm.	106.9	92	68		982
12138	$C_9H_{16}O_2$	2-Ethylbutyl acrylate			>80		999
A =	**$C_6H_{14}O$**	**Hexyl Alcohol**	**157.8**				
12139	$C_6H_{14}O$	Isopropyl ether	69.0	Nonazeotrope			215
12140	$C_6H_{14}O_2$	2-Butoxyethanol	171.25	Nonazeotrope			526
12141	C_7H_6O	Benzaldehyde	179.2	Nonazeotrope			575
12142	C_7H_7Br	*o*-Bromotoluene	181.5	Nonazeotrope			575
12143	C_7H_7Cl	α-Chlorotoluene	179.3	Nonazeotrope			575
12144	C_7H_7Cl	*o*-Chlorotoluene	159.2	153.5	44		567
12145	C_7H_7Cl	*p*-Chlorotoluene	166.4	< 154.0	<54		567
12146	C_7H_8	Toluene	110.75	Nonazeotrope			537
12147	C_7H_8O	Anisole	153.85	151.0	36.5		538
12148	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope			575
12149	C_7H_{14}	Methylcyclohexane	101.1	Nonazeotrope			540
12150	$C_7H_{14}O$	5-Methyl-2-hexanone	144.2	Nonazeotrope			552
12151	$C_7H_{14}O_2$	Propyl butyrate	142.8	Nonazeotrope			536
12152	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	Nonazeotrope			575
12153	C_7H_{16}	Heptane	98.45	Nonazeotrope		v-l	541,779g
12154	C_8H_8	Styrene	145.8	144	23		541
12155	C_8H_9Cl	*o,m,p*-Chloroethylbenzene, 10 mm.	67.5	62.0	43		51
12156	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			537
		"		136.10	7.7	v-l	587
12157	C_8H_{10}	*m*-Xylene	139.0	138.3	15		537
12158	C_8H_{10}	*o*-Xylene	143.6	142.3	~ 18		537
12159	C_8H_{10}	*p*-Xylene	138.2	~ 137.7	13		541
				137.86	10.2	v-l	308c
12160	$C_8H_{10}O$	Benzyl methyl ether	167.8	156.7	73		575
12161	$C_8H_{10}O$	*p*-Methylanisole	177.05	Nonazeotrope			575
12162	$C_8H_{10}O$	Phenetole	170.45	157.65	81		538
12163	$C_8H_{11}N$	Dimethylaniline	194.05	Nonazeotrope			551
12164	$C_8H_{16}O$	2-Octanone	172.85	Nonazeotrope			552
12165	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope			575
12166	$C_8H_{16}O_2$	2-Ethylbutyl acetate	162.3	154.4	72.5		982
12167	$C_8H_{16}O_2$	Isoamyl propionate	160.7	156.7	60		567
12168	$C_8H_{16}O_2$	Isobutyl butyrate	156.8	~ 155.0	40		536
12169	$C_8H_{16}O_2$	Isobutyl isobutyrate	147.3	Nonazeotrope			536
12170	$C_8H_{16}O_2$	Propyl isovalerate	155.7	~ 154.2	33		536
12171	C_8H_{18}	Octane	125.75	Nonazeotrope			575
12172	$C_8H_{18}O$	Isobutyl ether	122.3	Nonazeotrope			556
12173	$C_8H_{18}O$	Octyl alcohol	194	Nonazeotrope		v-l	825
12174	$C_8H_{18}S$	Butyl sulfide	185.0	Nonazeotrope			566

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_6H_{14}O$**	**Hexyl Alcohol** *(continued)*	**157.8**				
12175	$C_9H_{18}S$	Isobutyl sulfide	172.0	Nonazeotrope			566
12176	C_9H_8	Indene	182.6	Nonazeotrope			575
12177	C_9H_{12}	Cumene	152.8	149.5	35		567
12178	C_9H_{12}	Mesitylene	164.6	153.5	55		537
12179	C_9H_{12}	Pseudocumene	168.2	156.3	68		541
12180	C_9H_{12}	Propylbenzene	158.8	152.5	45		540
12181	$C_9H_{12}O$	**Benzyl ethyl ether**	**185.0**	Nonazeotrope			575
12182	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	Nonazeotrope			551
12183	$C_9H_{16}O_2$	Hexyl acrylate			90		999
12184	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	Nonazeotrope			552
12185	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	Nonazeotrope			575
12186	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope			575
12187	$C_{10}H_{16}$	Camphene	159.6	~ 150.8	~ 48		573
12188	$C_{10}H_{16}$	***d*-Limonene**	**177.8**	155.5	~ 79		537
12189	$C_{10}H_{16}$	Nopinene	163.8	153.0	52		567
12190	$C_{10}H_{16}$	α-Pinene	155.8	150.8	40		537
12191	$C_{10}H_{16}$	α-Terpinene	173.4	156.5	72		567
12192	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope			556
12193	$C_{10}H_{22}$	**2,7-Dimethyloctane**	**160.2**	**152.5**	**47**		**537**
12194	$C_{10}H_{22}O$	**Isoamyl ether**	**173.4**	Nonazeotrope			576
		"	**173.4**	157	89		556
A =	**$C_6H_{14}O$**	**Isopropyl Ether**	**68.3**				
12195	$C_6H_{14}O_2$	1,2-Diethoxyethane	121.1	**Nonazeotrope**			**981**
12196	C_7H_{16}	***n*-Heptane** 685-2280 mm.		**Nonazeotrope**		**v-l**	**995**
A =	**$C_6H_{14}O$**	**4-Methyl-2-pentanol**	**131.8**				
12197	$C_8H_{16}O_2$	4-Methyl-2-pentyl acetate	146.1	Nonazeotrope			981
A =	**$C_6H_{14}O$**	**Propyl Ether**	**90.1**				
12198	$C_6H_{15}N$	Dipropylamine	109.2	Nonazeotrope			551
12199	$C_6H_{15}N$	Triethylamine	89.35	< 88.5			551
12200	C_7H_8	Toluene	110.75	Nonazeotrope			558
12201	C_7H_{14}	Methylcyclohexane	101.1	Nonazeotrope			573
12202	C_7H_{16}	Heptane	98.45	Nonazeotrope			527
12203	C_8H_{18}	2,5-Dimethylhexane	109.4	Nonazeotrope			558
A =	**$C_6H_{14}OS$**	**2-Butylthioethanol**					
12204	$C_8H_{16}OS$	2-Butylthioethyl vinyl ether		Min. b.p.			953
A =	**$C_6H_{14}O_2$**	**Acetal**	**103.55**				
12205	$C_6H_{14}S$	Isopropyl sulfide	120.5	Nonazeotrope			566
12206	$C_6H_{15}N$	Dipropylamine	109.2	Nonazeotrope			551
12207	$C_6H_{15}N$	Triethylamine	89.35	Nonazeotrope			551
12208	C_7H_8	Toluene	110.75	Nonazeotrope			573
12209	C_7H_{14}	Methylcyclohexane	101.15	99.65	40		558
12210	C_7H_{16}	***n*-Heptane**	**98.45**	97.75	28		558

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_6H_{14}O_2$**	**Acetal** *(continued)*	**103.55**			
12211	C_8H_{18}	2,5-Dimethylhexane	109.3	103.0	75	548
12212	C_8H_{18}	Octane	125.75	Nonazeotrope		558
A =	**$C_6H_{14}O_2$**	**2-Butoxyethanol**	**171.15**			
12213	$C_6H_{15}NO$	2-Diethylaminoethanol	162.2	Nonazeotrope		551
12214	C_7H_5N	Benzonitrile	191.1	Nonazeotrope		556
12215	C_7H_6O	Benzaldehyde	179.2	170.95	91	556
12216	C_7H_7Br	*o*-Bromotoluene	181.5	169.7	65	526
12217	C_7H_7Cl	*o*-Chlorotoluene	159.2	158.0	12	526
12218	C_7H_7Cl	*p*-Chlorotoluene	162.4	160.5	20	556
12219	C_7H_7ClO	*o*-Chloroanisole	195.7	Nonazeotrope		575
12220	C_7H_8O	Anisole	153.85	Nonazeotrope		556
12221	C_7H_8O	*m*-Cresol	202.2	Nonazeotrope		526
12222	C_7H_8O	*o*-Cresol	191.1	191.55	15	556
12223	C_7H_8O	*p*-Cresol	201.7	Nonazeotrope		556
12224	C_7H_9N	Benzylamine	185.0	Nonazeotrope		551
12225	C_7H_9N	Methylaniline	196.25	Nonazeotrope		551
12226	$C_7H_{13}ClO_2$	Isoamyl chloroacetate	190.5	Nonazeotrope		575
12227	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	Nonazeotrope		575
12228	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	170.1	53	556
12229	$C_7H_{14}O_3$	Isobutyl lactate	182.15	Nonazeotrope		575
12230	$C_7H_{16}O$	Heptyl alcohol	176.15	Nonazeotrope		526
12231	$C_8H_8O_2$	Methyl benzoate	199.4	Nonazeotrope		556
12232	$C_8H_8O_2$	Phenyl acetate	195.7	Nonazeotrope		575
12233	C_8H_9Cl	*o,m,p*-Chloroethylbenzene, 10 mm.	67.5	62.5	37	51
12234	C_8H_{10}	*m*-Xylene	139.2	Nonazeotrope		575
12235	C_8H_{10}	*o*-Xylene	144.3	Nonazeotrope		556
12236	$C_8H_{10}O$	Benzyl methyl ether	167.8	165.0	43	526
12237	$C_8H_{10}O$	*p*-Methylanisole	177.05	169.3	62	526
12238	$C_8H_{10}O$	Phenetole	170.45	167.1	52	556
12239	$C_8H_{11}N$	Dimethylaniline	194.15	Nonazeotrope		551
12240	$C_8H_{16}O_2$	Butyl butyrate	166.4	164.7	20	526
12241	$C_8H_{16}O_2$	Ethyl caproate	167.7	166.0	25	567
12242	$C_8H_{16}O_2$	Hexyl acetate	171.5	167.7	45	567
12243	$C_8H_{16}O_2$	Isoamyl propionate	160.7	Nonazeotrope		575
12244	$C_8H_{16}O_2$	Isobutyl butyrate	156.9	Nonazeotrope		575
12245	$C_8H_{16}O_2$	Propyl isovalerate	155.7	Nonazeotrope		575
12246	$C_8H_{16}O_4$	2-(2-Ethoxyethoxy) ethyl acetate	218.5	Nonazeotrope		575
12247	$C_8H_{18}O$	Butyl ether	142.4	Nonazeotrope		575
12248	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	Nonazeotrope		526
12249	$C_8H_{18}S$	Isobutyl sulfide	172	163.8	42	555
12250	C_9H_7N	Quinoline	237.3	Nonazeotrope		553
12251	C_9H_{12}	Cumene	152.4	151.7	10.3	456
12252	C_9H_{12}	Mesitylene	164.6	162.0	32	556
12253	C_9H_{12}	Propylbenzene	159.3	158.0		526

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_8H_{14}O_2$**	**2-Butoxyethanol** *(continued)*	**171.15**			
12254	C_9H_{12}	Pseudocumene	168.2	164.5	38	575
12255	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	170.95	88	551
12256	C_9H_{16}	*cis*-Hexahydroindan	167.7	159.9	38 vol. %	826
12257	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	170.85	86	556
12258	$C_9H_{18}O_2$	Isoamyl isobutyrate	169.8	166.5	36	567
12259	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	167.75	43	527
12260	$C_{10}H_{14}$	Butylbenzene	183.0	170.2	80	526
		"	183.4	169.6	73.4	456
12261	$C_{10}H_{14}$	*sec*-Butylbenzene	173.3	166.0	47.9	456
12262	$C_{10}H_{14}$	*tert*-Butylbenzene	169.1	164.4	39.1	456
12263	$C_{10}H_{14}$	*p*-Cymene	177.2	167.4	56.6	456
		"	176.7	168.0	60	556
12264	$C_{10}H_{16}$	Camphene	159.6	154.5	30	526
12265	$C_{10}H_{16}$	Dipentene	177.7	164.0	53	567
12266	$C_{10}H_{16}$	Nopinene	163.8	158.0	37	526
12267	$C_{10}H_{16}$	α-Pinene	155.8	151.5	25	567
12268	$C_{10}H_{16}$	α-Terpinene	173.4	164.0	50	526
12269	$C_{10}H_{18}O$	Cineole	176.35	168.9	58.5	527
12270	$C_{10}H_{18}O$	Citronellal	207.8	Nonazeotrope		526
12271	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		575
12272	$C_{10}H_{20}$	*n*-Butylcyclohexane	180.95	165.6	56 vol. %	826
12273	$C_{10}H_{20}$	*sec*-Butylcyclohexane	179.3	165.1	53 vol. %	826
12274	$C_{10}H_{20}$	Isobutylcyclohexane	171.3	161.5	40 vol. %	826
12275	$C_{10}H_{20}$	*cis*-1-Methyl-4-isopropylcyclohexane	172.7	162.0	45 vol. %	826
12276	$C_{10}H_{20}$	*trans*-1-Methyl-4-isopropylcyclohexane	170.5	160.9	41 vol. %	826
12277	$C_{10}H_{22}$	3,3,5-Trimethylheptane	155.5	151.6	23 vol. %	826
12278	$C_{10}H_{22}O$	Amyl ether	187.5	169.0	67	556
12279	$C_{10}H_{22}O$	Isoamyl ether	173.2	164.95	54	569
12280	$C_{10}H_{22}O_2$	Acetaldehyde dibutyl acetal	188.8	170.6	42	129
12281	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	Nonazeotrope		556
12282	$C_{12}H_{18}$	Triethylbenzene	215.5	Nonazeotrope		526
A =	**$C_6H_{14}O_2$**	**Hexylene Glycol**				
12283	C_8H_{10}	Ethylbenzene, 400 mm.		Nonazeotrope	v-l	771
12284	C_8H_{16}	Ethylcyclohexane, 400 mm.		Nonazeotrope	v-l	771
A =	**$C_6H_{14}O_2$**	**Pinacol**	**174.35**			
12285	C_7H_7Cl	*o*-Chlorotoluene	159.2	< 157.0		575
12286	C_7H_7Cl	*p*-Chlorotoluene	162.4	158.0	>13	567
12287	C_7H_8	Toluene	110.7	Nonazeotrope		540
12288	C_7H_8O	Anisole	174.35	153.5		545
12289	C_7H_8O	*m*-Cresol	202.2	Nonazeotrope		544
12290	C_7H_8O	*o*-Cresol	191.1	191.5	8	575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_6H_{14}O_2$**	**Pinacol *(continued)***	**174.35**				
12291	C_7H_8O	***p*-Cresol**	**201.7**	Nonazeotrope			575
12292	C_7H_{14}	Methylcyclohexane	101.1	**Nonazeotrope**			**537**
12293	C_7H_{16}	Heptane	98.45	Nonazeotrope			537
12294	C_8H_{10}	***m*-Xylene**	**139.0**	**Nonazeotrope**			**537**
12295	$C_8H_{10}O$	Benzyl methyl ether	167.8	163.5?	28?		575
12296	$C_8H_{10}O$	***p*-Methylanisole**	**177.05**	168.7	44		576
12297	$C_8H_{10}O$	Phenetole	170.4	165.2	33		572
12298	$C_8H_{11}N$	Dimethylaniline	194.05	< 169.5	>60		551
12299	$C_8H_{14}O$	Methylheptenone	173.2	171.7	40		552
12300	$C_8H_{16}O$	2-Octanone	172.85	171.5	35		552
12301	C_8H_{18}	2,5-Dimethylhexane	109.4	Nonazeotrope			575
12302	C_8H_{18}	**Octane**	**125.75**	Nonazeotrope			575
12303	C_9H_{12}	Mesitylene	164.6	160.2	35		572
12304	C_9H_{12}	Propylbenzene	159.3	156.3	28		567
12305	C_9H_{12}	Pseudocumene	168.2	162.9	38		567
12306	$C_9H_{12}O$	Benzyl ethyl ether	185.0	**< 171.5**	**>62**		**575**
12307	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	< 169.8	>10		575
12308	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	< 173.9			575
12309	$C_{10}H_8$	Naphthalene	218.05	Nonazeotrope			537
12310	$C_{10}H_{14}$	Cymene	176.7	167.7	50		567
12311	$C_{10}H_{16}$	Camphene	159.6	155.5	~ 28		537
12312	$C_{10}H_{16}$	Dipentene	177.7	166.7	~ 50		575
12313	$C_{10}H_{16}$	***d*-Limonene**	**177.8**	**171**	**~ 45**		**537**
12314	$C_{10}H_{16}$	α-Pinene	155.8	152.5			537
12315	$C_{10}H_{18}O$	Cineole	176.35	168.5	45		567
12316	$C_{10}H_{22}$	2,7-Dimethyloctane	160.25	~ 144?			563
12317	$C_{10}H_{22}O$	Isoamyl ether	173.4	167.2	40		576
A =	**$C_6H_{14}O_3$**	**Dipropylene Glycol**	**229.2**				
12318	C_7H_7BrO	***o*-Bromoanisole**	**217.7**	212.0	30		575
12319	$C_7H_7NO_2$	***o*-Nitrotoluene**	**221.75**	216.9	>21		554
12320	$C_7H_7NO_2$	***p*-Nitrotoluene**	**238.9**	225.0	62?		554
12321	C_7H_8O	Benzyl alcohol	205.25	Nonazeotrope			575
12322	C_7H_8O	***p*-Cresol**	**201.7**	Nonazeotrope			575
12323	$C_8H_8O_2$	Anisaldehyde	249.5	Nonazeotrope			575
12324	$C_8H_8O_3$	Methyl salicylate	222.95	213.0	35		575
12325	C_8H_9BrO	***p*-Bromophenetole**	**234.2**	221.0	45		575
12326	C_9H_7N	Quinoline	237.3	< 228.0	<72		575
12327	$C_9H_{10}O_3$	Ethyl salicylate	233.8	218.2	55		575
12328	$C_{10}H_8$	Naphthalene 100 mm.		142.9	12.4	v-l	600
12329	$C_{10}H_9N$	Quinaldine	246.5	Nonazeotrope			575
12330	$C_{10}H_{10}O_2$	**Isosafrole**	**252.0**	**225.5**	**60**		**567**
12331	$C_{10}H_{10}O_2$	Safrole	235.9	222.0	50		567
12332	$C_{10}H_{12}O$	Anethole	235.7	221.5	48		567
12333	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope			575
12334	$C_{10}H_{22}O$	Isoamyl ether	173.2	Nonazeotrope			575
12335	$C_{11}H_{10}$	2-Methylnaphthalene	241.1	Nonazeotrope			270

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_6H_{14}O_3$**	**Dipropylene Glycol**	**229.2**				
12336	$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethoxybenzene	254.7	226.5	65		575
12337	$C_{11}H_{16}O$	Methyl thymyl ether	216.5	211.0	30		575
12338	$C_{11}H_{20}O$	**Methyl α-terpineol ether**	**216.2**	< 211.5	>24		575
12339	$C_{12}H_{10}O$	Phenyl ether	259.0	< 228.0	<77		575
12340	$C_{12}H_{16}O_3$	Isoamyl salicylate	277.5	Nonazeotrope			575
12341	$C_{13}H_{12}O$	Benzyl phenyl ether	286.5	Nonazeotrope			575
12342	$C_{14}H_{14}O$	Benzyl ether	297.0	Nonazeotrope			575
A =	**$C_6H_{14}O_3$**	**2-(2-Ethoxyethoxy)ethanol**	**195.0**				
12343	C_7H_8O	*m*-Cresol	202.4		36.8	v-l	730
12344	C_7H_8O	*o*-Cresol	191.1	205.5	70		575
12345	C_7H_8O	*p*-Cresol	202.0		38	v-l	730
		"	202.0	209.0	50		567
12346	$C_7H_{16}O_4$	2-[2-(2-Methoxyethoxy)ethoxy]ethanol	245.25	Nonazeotrope			575
12347	$C_8H_8O_3$	Methyl salicylate	222.95	Nonazeotrope			575
12348	$C_8H_{10}O$	**3,4-Xylenol**	**226.8**	Nonazeotrope			575
12349	$C_8H_{11}N$	**Dimethylaniline**	**194.15**	<193.0	>10		575
12350	$C_8H_{16}O_3$	Isoamyl lactate	202.4	<201.0	>38		575
12351	$C_8H_{18}O_3$	Bis(2-ethoxyethyl) ether	188.4	Nonazeotrope			981
		" 10 mm.	72	Nonazeotrope			981
12352	C_9H_7N	Quinoline	237.3	Nonazeotrope			575
12353	$C_9H_{13}N$	**Dimethyl-*o*-toluidine**	**185.3**	Nonazeotrope			575
12354	$C_9H_{13}N$	**Dimethyl-*p*-toluidine**	**210.2**	199.5			575
12355	$C_{10}H_8$	Naphthalene	218.0	200.5			575
12356	$C_{10}H_{12}O$	**Estragole**	**215.6**	201.0	87		575
12357	$C_{10}H_{14}$	Butylbenzene	183.1	181.3	18		575
12358	$C_{10}H_{15}N$	Diethylaniline	217.05	<200.5	>85		575
12359	$C_{10}H_{16}$	Dipentene	177.7	173.0	23		575
12360	$C_{10}H_{18}O$	Cineole	176.35	<175.5			575
12361	$C_{10}H_{22}O$	**Amyl ether**	**187.5**	<183.0			575
12362	$C_{11}H_{10}$	**2-Methylnaphthalene**	**241.15**	Nonazeotrope			270,575
12363	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	190.5	25		567
12364	$C_{12}H_{22}O$	Ethyl isobornyl ether	203.8	198.5	55		567
A =	**$C_6H_{14}O_4$**	**Triethylene Glycol**	**288.7**				
12365	$C_9H_{10}O_3$	Ethyl salicylate	233.8	Nonazeotrope			575
12366	$C_{10}H_7Br$	1-Bromonaphthalene	281.2	273.4	33		527
12367	$C_{10}H_7Cl$	1-Chloronaphthalene	262.7	261.5	5		527
12368	$C_{10}H_{10}O_2$	Isosafrole	252.0	Nonazeotrope			556
12369	$C_{10}H_{10}O_2$	Methyl cinnamate	261.9	Nonazeotrope			526
12370	$C_{10}H_{10}O_2$	Safrole	235.9	Nonazeotrope			526
12371	$C_{10}H_{10}O_4$	Methyl phthalate	283.2	277.0	33		526
12372	$C_{10}H_{12}O$	Anethole	235.7	Nonazeotrope			575
12373	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	Nonazeotrope			526

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_6H_{14}O_4$**	**Triethylene Glycol** *(continued)*	**288.7**			
12374	$C_{11}H_{10}$	2-Methylnaphhtalene	241.15	Nonazeotrope		527
12375	$C_{11}H_{12}O_2$	Ethyl cinnamate	272.0	<271.5	> 7	575
12376	$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethoxy-benzene	254.7	Nonazeotrope		526
12377	$C_{11}H_{14}O_2$	Butyl benzoate	249.0	Nonazeotrope		526
12378	$C_{12}H_9N$	Carbazole		Nonazeotrope		272
		" Low press.		Min. b.p.		272
12379	$C_{12}H_{10}$	Acenaphthene	277.9	271.5	35	527
12380	$C_{12}H_{10}$	Biphenyl	256.1	255.3	10	556
12381	$C_{12}H_{10}O$	Phenyl ether	259.0	258.7	3	556
		" " 4 mm.	102	Nonazeotrope		981
12382	$C_{12}H_{14}O_4$	Ethyl phthalate	298.5	<285.5	>58	575
12383	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.0	261.4	14	527
12384	$C_{12}H_{16}O_3$	Isoamyl salicylate	277.5	269.0	30	575
12385	$C_{12}H_{22}O_4$	Isoamyl oxalate	268.0	Reacts		526
12386	$C_{13}H_{10}$	Fluorene	294	Nonazeotrope		272
		" High press.		Min. b.p.		272
12387	$C_{13}H_{10}O_2$	Phenyl benzoate	315	286.0	80	526
12388	$C_{13}H_{12}$	Diphenylmethane	265.4	263.0	20	556
12389	$C_{13}H_{12}O$	Benzyl phenyl ether	286.5	280.0	40	526
12390	$C_{14}H_{10}$	Phenanthrene, Low press. Glycol decreases with decreasing pressure		Min. b.p.		272
12391	$C_{14}H_{12}$	Stilbene	306.5	284.5	60	526
12392	$C_{14}H_{14}$	1,2-Diphenylethane	284.5	275.5	42	526
12393	$C_{14}H_{14}O$	Benzyl ether, 5 mm.	145.5		28	982
A =	**$C_6H_{14}S$**	**Isopropyl Sulfide**	**120.5**			
12394		Toluene	110.75	Nonazeotrope		575
12395	40°C.	Methylcyclohexane	101.15	Nonazeotrope		575
12396	70°C.	Heptane	98.4	Nonazeotrope		575
12397	$C_8H_{18}O$	Isobutyl ether	122.3	<119.8	>64	566
A =	**$C_6H_{14}S$**	**Propyl Sulfide**	**141.5**			
12398	$C_7H_{14}O$	5-Methyl-2-hexanone	144.2	<140.7	>65	566
12399	$C_7H_{14}O_2$	Ethyl isovalerate	134.7	~ 134.0	~ 10	532
12400	C_8H_{10}	*m*-Xylene	139.0	~ 137.5		531
12401	C_8H_{10}	*p*-Xylene	138.45	<138.2	> 7	575
12402	$C_8H_{18}O$	Butyl ether	142.4	140.3	62	562
A =	**$C_6H_{15}BO_3$**	**Ethyl Borate**	**118.6**			
12403	C_7H_8	Toluene	110.75	Nonazeotrope		530
12404	C_7H_{14}	Methylcyclohexane	101.1	Nonazeotrope		546
12405	C_7H_{16}	Heptane	98.5	Nonazeotrope		546
12406	$C_8H_{18}O$	Isobutyl ether	122.3	<116.8		557
A =	**$C_6H_{15}N$**	**Dipropylamine**	**109.2**			
12407	C_7H_8	Toluene	110.75	<108.5	>53	551

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_6H_{15}N$**	**Dipropylamine** *(continued)*	**109.2**				
12408	C_7H_{16}	*n*-Heptane	98.4	Nonazeotrope			527
12409	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	Nonazeotrope			551
12410	C_8H_{18}	2,4-Dimethylhexane	109.4	<108.0	<54		551
12411	$C_8H_{18}O$	Isobutyl ether	122.3	Nonazeotrope			551
A =	**$C_6H_{15}N$**	**Isohexylamine**	**123.5**				
12412	C_7H_8	Toluene	110.75	Nonazeotrope			575
12413	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	<120.0			575
12414	$C_8H_{18}O$	Isobutyl ether	122.3	<121.8			575
A =	**$C_6H_{15}N$**	**Triethylamine**	**89.35**				
12415	C_7H_{14}	Methylcyclohexane	101.15	Nonazeotrope			551
12416	C_7H_{16}	*n*-Heptane	98.4	Nonazeotrope			551
A =	**$C_6H_{15}NO$**	**2-(Diethylamino)ethanol**	**162.2**				
12417	C_7H_8	Toluene	110.75	Nonazeotrope			575
12418	C_7H_8O	Anisole	153.85	<148.0	>19		551
12419	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope			551
12420	C_7H_9N	Methylaniline	196.25	Nonazeotrope			551
12421	C_7H_{16}	Heptane	98.4	Nonazeotrope			575
12422	C_8H_9Cl	*o,m,p*-Chloroethylbenzene, 10 mm.	67.5	57.0	91		51
12423	C_8H_{10}	*m*-Xylene	139.2	<136.0	> 8		575
12424	$C_8H_{11}N$	Dimethylaniline	194.15	<160.5	>58		551
12425	$C_8H_{18}O$	Isobutyl ether	122.3	Nonazeotrope			551
12426	$C_{10}H_{18}$	Camphene	159.6	<146.5			575
12427	$C_{10}H_{18}O$	Cineole	176.35	<158.0			575
12428	$C_{10}H_{22}O$	Isoamyl ether	173.2	<156.5	>58		551
A =	**$C_6H_{15}NO_2$**	**1,1'-Iminodi-2-propanol**	**133/10**				
12429	$C_9H_{21}NO_3$	1,1',1"-Nitrilotri-2-propanol, 10 mm.	177	Nonazeotrope			981
A =	**C_7F_{16}**	**Perfluoroheptane**	**82.5**				
12430	C_7H_{16}	Heptane, crit. region		198.5	95.3	v-l	430,431
12431	$C_8F_{16}O$	Perfluorocyclic oxide	102.6	Nonazeotrope		v-l	1041
12432	C_8H_{18}	Octane, crit. region		201.7	99.7	v-l	430,431
12433	C_9H_{20}	Nonane, crit. region		Nonazeotrope		v-l	430,431
A =	**$C_7H_5Cl_3$**	**α,α,α-Trichlorotoluene**	**220.8**				
12434	$C_7H_7NO_2$	*m*-Nitrotoluene	230.8	Nonazeotrope			554
12435	$C_7H_7NO_2$	*o*-Nitrotoluene	221.75	219.45	75.5		554
12436	$C_7H_7NO_2$	*p*-Nitrotoluene	238.9	Nonazeotrope			554
12437	C_7H_8O	Benzyl alcohol	205.2	Reacts			535
12438	$C_7H_8O_2$	Guaiacol	205.05	Reacts			535
12439	C_7H_9N	*o*-Toluidine	200.3	Nonazeotrope			538
12440	$C_8H_8O_2$	Benzyl formate	202.3	Nonazeotrope			547
12441	$C_8H_8O_3$	Methyl salicylate	222.35	220.75	~ 97		538
12442	C_8H_9BrO	*p*-Bromophenetole	234.5	Nonazeotrope			575
12443	$C_8H_{10}O_2$	*m*-Dimethoxybenzene	214.7	Nonazeotrope			535
12444	$C_9H_{10}O$	*p*-Methylacetophenone	226.35	Nonazeotrope			552

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_7H_5Cl_3$**	**α,α,α-Trichlorotoluene** *(continued)*	**220.8**			
12445	$C_9H_{10}O$	Propiophenone	217.7	Nonazeotrope		552
12446	$C_9H_{10}O_2$	Benzyl acetate	214.9	Nonazeotrope		535
12447	$C_9H_{10}O_2$	Ethyl benzoate	212.6	Nonazeotrope		574
12448	$C_9H_{10}O_3$	Ethyl salicylate	234.0	Nonazeotrope		538
12449	$C_{10}H_7Cl$	1-Chloronaphthalene	262.7	Nonazeotrope		545
12450	$C_{10}H_8$	Naphthalene	218.05	Nonazeotrope		574
12451	$C_{10}H_{12}O$	Estragole	215.6	Nonazeotrope		535
12452	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.75	Nonazeotrope		538
12453	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	Nonazeotrope		538
12454	$C_{10}H_{14}O$	Carvone	231.0	Nonazeotrope		551
12455	$C_{10}H_{14}O$	Thymol	232.9	Reacts		542
12456	$C_{10}H_{15}N$	Diethylaniline	217.05	Nonazeotrope		538
12457	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	Nonazeotrope		547
12458	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		575
12459	$C_{12}H_{20}O_2$	Bornyl acetate	~227.7	Nonazeotrope		535
A =	**C_7H_5N**	**Benzonitrile**	**191.1**			
12460	C_7H_7Br	*m*-Bromotoluene	184.3	183.8	11.5	569
12461	C_7H_7Br	*o*-Bromotoluene	181.5	181.4		565
12462	C_7H_7Br	*p*-Bromotoluene	185.0	184.3	15	565
		"	185	~ 181		563
12463	C_7H_7Cl	*p*-Chlorotoluene	162.4	Nonazeotrope		565
12464	C_7H_8O	Benzyl alcohol	205.25	Nonazeotrope		565
12465	C_7H_8O	*m*-Cresol	202.2	202.5	11	527
12466	C_7H_8O	*o*-Cresol	191.1	195.95	49	569
12467	C_7H_8O	*p*-Cresol	201.7	202.1	14	527
12468	C_7H_9N	Methylaniline	196.25	Nonazeotrope		575
12469	C_7H_9N	*o*-Toluidine	200.35	Nonazeotrope		575
12470	$C_7H_{12}O_4$	Ethyl malonate	199.35	Nonazeotrope		575
12471	$C_7H_{16}O$	Heptyl alcohol	176.15	Nonazeotrope		565
12472	$C_8H_8O_2$	Phenyl acetate	195.7	<189.5	>51	575
12473	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope		565
12474	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope		565
12475	$C_8H_{11}N$	Dimethylaniline	194.15	Nonazeotrope		575
12476	$C_8H_{11}N$	Ethylaniline	205.5	Nonazeotrope		575
12477	$C_8H_{18}O$	*n*-Octyl alcohol	195.2	<189.2	<70	527
12478	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	180.05	11	569
12479	$C_8H_{18}S$	Butyl sulfide	185.0	<184.5	<12	575
12480	$C_8H_{18}S$	Isobutyl sulfide	172.0	Nonazeotrope		566
12481	$C_9H_{12}O$	Benzyl ethyl ether	185.0	182.5	27	565
12482	$C_9H_{18}O_2$	Butyl isovalerate	177.6	Nonazeotrope		565
12483	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	180.85	8	527
12484	$C_9H_{18}O_2$	Isoamyl isobutyrate	169.8	Nonazeotrope		565
12485	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	Nonazeotrope		565
12486	$C_{10}H_{18}O$	Cineole	176.35	175.6	14	527
12487	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	<189.0	>42	527
12488	$C_{10}H_{22}O$	Amyl ether	187.5	180.5	42	527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**C_7H_5N**	**Benzonitrile** *(continued)*	**191.1**			
12489	$C_{10}H_{22}O$	Isoamyl ether	173.2	171.4	16	527
12490	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	<186.0		565
A =	**C_7H_5NO**	**Phenyl Isocyanate**	**162.8**			
12491	$C_8H_{18}S$	Butyl sulfide	185.0	Nonazeotrope		575
12492	$C_8H_{18}S$	Isobutyl sulfide	172.0	Nonazeotrope		575
A =	**$C_7H_6Cl_2$**	**α,α-Dichlorotoluene**	**205.2**			
12497	$C_7H_6O_2$	Benzoic acid	250.8	Nonazeotrope		575
12494	$C_7H_7NO_2$	*o*-Nitrotoluene	221.75	Nonazeotrope		575
12495	C_7H_8O	Benzyl alcohol	205.5	182?		563
12496	C_7H_8O	*m*-Cresol	202.8	Reacts		563
12497	C_7H_8O	*o*-Cresol	190.8	Reacts		563
12498	C_7H_8O	*p*-Cresol	201.8	Reacts		563
12499	C_7H_9N	Methylaniline	196.1	Reacts		563
12500	C_7H_9N	*o*-Toluidine	200.3	Nonazeotrope		538
12501	C_7H_9N	*p*-Toludine	200.3	Reacts		563
12502	$C_7H_{12}O_4$	Ethyl malonate	198.9	Nonazeotrope		563
12503	C_8H_8O	Acetophenone	202	Nonazeotrope		563
12504	$C_8H_8O_2$	Benzyl formate	202.3	Nonazeotrope		538
12505	$C_8H_8O_2$	Methyl benzoate	199.55	Nonazeotrope		563
12506	$C_8H_8O_2$	Phenyl acetate	195.5	Nonazeotrope		563
12507	$C_8H_{11}N$	Dimethylaniline	194.15	Nonazeotrope		551
12508	$C_8H_{11}N$	Ethylaniline	206.3	Reacts		563
12509	$C_8H_{14}O_4$	Ethyl succinate	217.25	Nonazeotrope		547
12510	$C_8H_{14}O_4$	Propyl oxalate	212	Nonazeotrope		547
12511	$C_8H_{16}O_3$	Isoamyl lactate	202.4	201.3	45	563
12512	$C_8H_{18}O$	*n*-Octyl alcohol	195.15	194.5	~ 10	531
12513	$C_9H_{10}O_2$	Benzyl acetate	214.9	Nonazeotrope		538
12514	$C_9H_{10}O_2$	Ethyl benzoate	213	Nonazeotrope		563
12515	$C_{10}H_8$	Naphthalene	218.05	Nonazeotrope		563
12516	$C_{10}H_{16}O$	Camphor	209.1	209.7	25	551
12617	$C_{10}H_{18}O$	Borneol	213.4	205.0	~ 85	538
12518	$C_{10}H_{18}O$	Citronellal	~207.8	Nonazeotrope		538
12519	$C_{10}H_{18}O$	Menthone	207	Azeotrope doubtful		563
		Menthone	209.5	Nonazeotrope		575
12520	$C_{10}H_{20}O$	Menthol	216.3	Nonazeotrope		575
12521	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope		575
12522	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		538
A =	**C_7H_6O**	**Benzaldehyde**	**179.2**			
12523	C_7H_7Br	*m*-Bromotoluene	184.3	<179.0	<92	575
12524	C_7H_7Br	*o*-Bromotoluene	181.5	178.5		545
12525	C_7H_7Br	*p*-Bromotoluene	185.0	Nonazeotrope		545
12526	C_7H_7Cl	α-Chlorotoluene	179.35	177.9	50	563
12527	C_7H_7Cl	*o*-Chlorotoluene	159.15	Nonazeotrope		548
12528	C_7H_7Cl	*p*-Chlorotoluene	162.4	Nonazeotrope		545
12529	C_7H_7ClO	*o*-Chloroanisole	195.7	Nonazeotrope		575
12530	C_7H_8O	Anisole	153.85	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**C_7H_6O**	**Benzaldehyde *(continued)***	**179.2**			
12531	C_7H_8O	*m*-Cresol	202.2	Nonazeotrope		575
12532	C_7H_8O	*o*-Cresol	191.1	192.0	23	538
12533	C_7H_8O	*p*-Cresol	201.7	Nonazeotrope		545
12534	$C_7H_{14}O_3$	Isobutyl lactate	182.15	<178.8	<92	575
12535	$C_7H_{16}O$	Heptyl alcohol	176.15	<174.5	<45	575
12536	C_8H_8	Styrene	145.8	Nonazeotrope		575
12537	C_8H_9Cl	*o,m,p*-Chloroethylbenzene, 10 mm.	67.5	63.5	57	51
12538	C_8H_{10}	*o*-Xylene	144.3	Nonazeotrope		575
12539	$C_8H_{10}O$	Benzyl methyl ether	167.8	<167.0		575
12540	$C_8H_{10}O$	*p*-Ethylphenol	218.8	Nonazeotrope		575
12541	$C_8H_{10}O$	*p*-Methylanisole	177.05	<175.5		575
12542	$C_8H_{10}O$	Phenetole	170.45	<169.8	<12	575
12543	$C_8H_{11}N$	Dimethylaniline	194.05	Reacts		563
12544	$C_8H_{14}O$	Methylheptenone	173.2	Nonazeotrope		552
12545	$C_8H_{16}O$	2-Octanone	172.85	Nonazeotrope		552
12546	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope		575
12547	$C_8H_{16}O_2$	Ethyl caproate	167.7	Nonazeotrope		575
12548	$C_8H_{16}O_2$	Hexyl acetate	171.5	<171.3		575
12549	$C_8H_{18}O$	Butyl ether	142.6	Nonazeotrope		575
12550	$C_8H_{18}O$	Octyl alcohol	195.2	Nonazeotrope		575
12551	$C_8H_{18}O$	*sec*-Octyl alcohol	178.7	174	~ 25	563
12552	C_9H_{12}	Cumene	152.8	Nonazeotrope		575
12553	$C_9H_{12}O$	Benzyl ethyl ether	185.0	<177.5	<92	575
12554	$C_9H_{14}O$	Phorone	197.8	Nonazeotrope		552
12555	$C_9H_{18}O$	2,6-Dimethyl-4 heptanone	168.0	Nonazeotrope		552
12556	$C_9H_{18}O_2$	Isoamyl butyrate	178.5	~ 176.3	38	536
12557	$C_9H_{18}O_2$	Isoamyl isobutyrate	169.8	Nonazeotrope		575
12558	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	170.85	10	575
		" "	171.35	Nonazeotrope		545
12559	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	Nonazeotrope		575
12560	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		575
12561	$C_{10}H_{14}$	Butylbenzene	183.1	<176.5	<65	575
12562	$C_{10}H_{14}$	Cymene	175.3	171	28	563
12563	$C_{10}H_{16}$	Camphene	159.6	158.45	15.5	548
12564	$C_{10}H_{16}$	*d*-Limonene	177.8	171.2	43	563
12565	$C_{10}H_{16}$	Nopinene	163.8	<162.0	<25	548
12566	$C_{10}H_{16}$	α-Phellandrene	171.5	170		563
12567	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope		575
		"	155.8	~ 155.0	~ 10	548
12568	$C_{10}H_{16}$	α-Terpinene	173.4	<170.0	<38	575
12569	$C_{10}H_{16}$	γ-Terpinene	179.9	~ 173.0	~ 48	548
12570	$C_{10}H_{16}$	Terpinolene	185	<176.5	>70	563
12571	$C_{10}H_{16}O$	Fenchone	193.6	Nonazeotrope		552
12572	$C_{10}H_{18}O$	Cineole	176.35	172.05	36	556
		"	176.3	Nonazeotrope		563

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**C_7H_6O**	**Benzaldehyde *(continued)***	**179.2**			
12573	$C_{10}H_{22}$	2,7-Dimethyloctane	160.2	<159.5		575
12574	$C_{10}H_{22}O$	Amyl ether	187.5	175.2		556
12575	$C_{10}H_{22}O$	Isoamyl ether	173.2	168.6	37.5	527
12576	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	178.0	92?	575
12577	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		575
12578	$C_{12}H_{22}O$	Bornyl ethyl ether	204.9	Nonazeotrope		575
12579	$C_{12}H_{22}O$	Ethyl isobornyl ether	203.8	Nonazeotrope		575
A =	**$C_7H_6O_2$**	**Benzoic Acid**	**250.8**			
12580	$C_7H_7NO_2$	*m*-Nitrotoluene	230.8	Nonazeotrope		554
12581	$C_7H_7NO_2$	*o*-Nitrotoluene	221.75	Nonazeotrope		554
12582	$C_7H_7NO_2$	*p*-Nitrotoluene	238.9	237.4	11	554
12583	$C_7H_8O_2$	*m*-Methoxyphenol	243.8	Nonazeotrope		575
12584	$C_8H_8O_2$	Anisaldehyde	249.5	Nonazeotrope		538
12585	$C_8H_{10}O$	3,4-Xylenol	226.8	Nonazeotrope		575
12586	$C_8H_{11}NO$	*p*-Phenetidine	249.9	Nonazeotrope		541
12587	C_9H_8O	Cinnamaldehyde	253.5	~ 250.2	~ 90	538
		"	253.5	Nonazeotrope		575
12588	$C_9H_{10}O$	*p*-Methylacetophenone	226.35	Nonazeotrope		552
12589	$C_9H_{10}O_3$	Ethyl salicylate	234.0	233.85	6	538
12590	$C_{10}H_7Br$	1-Bromonaphthalene	281.8	249.9	~ 95	541
		"	281.8	Nonazeotrope		564
12591	$C_{10}H_7Cl$	1-Chloronaphthalene	262.7	247.8	57	541
12592	$C_{10}H_8$	Naphthalene	218.05	217.7	5	538
12593	$C_{10}H_{10}O_2$	Isosafrole	252.0	246.5	53.5	556
12594	$C_{10}H_{10}O_2$	Methyl cinnamate	261.9	Nonazeotrope		541
12595	$C_{10}H_{10}O_2$	Safrole	235.9	Nonazeotrope		537
		"	235.9	234.75	12.5	556
12596	$C_{10}H_{12}O$	Anethole	235.7	234.6	12	562
12597	$C_{10}H_{12}O_2$	Eugenol	254.8	Nonazeotrope		575
		"	254.8	250.4	96.5	538
12598	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	Nonazeotrope		542
12599	$C_{10}H_{14}O$	Carvone	231.0	Nonazeotrope		552
12600	$C_{10}H_{14}O$	Carvacrol	237.85	<237.75		575
12601	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		575
		"	232.9	232.85?	1.5?	538
12602	$C_{10}H_{14}O_2$	*m*-Diethoxybenzene	235.0	Nonazeotrope		541
12603	$C_{10}H_{18}O_4$	Propyl succinate	250.5	248.0	43	575
12604	$C_{10}H_{20}O_4$	2-(2-Butoxyethoxy)-ethyl acetate	245.3	251.8	70	562
12605	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	239.6	27	538
12606	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	237.25	25	527
12607	$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethoxy-benzene	254.7	Nonazeotrope		537
		"	255.0	250.3	89	538
12608	$C_{11}H_{14}O_2$	Butyl benzoate	249.0	245.5	35	562

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_7H_6O_2$**	**Benzoic Acid *(continued)***	**250.8**			
12609	$C_{11}H_{14}O_2$	1,2-Dimethoxy-4-propenylbenzene	270.5	Nonazeotrope		541
12610	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	241.15	~ 12	538
12611	$C_{11}H_{16}O$	Methyl thymol ether	216.5	Nonazeotrope		575
12612	$C_{11}H_{20}O$	Methyl α-terpineol ether	216.2	Nonazeotrope		575
12613	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	Nonazeotrope		575
12614	$C_{12}H_{10}$	Acenaphthene	277.9	~ 250.0		541
12615	$C_{12}H_{10}$	Biphenyl	277.9	246.05	50.5	541
12616	$C_{12}H_{10}O$	Phenyl ether	257	Nonazeotrope		562
		" "	259.3	247.3	59	556
		" " 100 mm.	181	176.5	27	215
12617	$C_{12}H_{16}O_3$	Isoamyl salicylate	277.5	Nonazeotrope		575
12618	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		543
12619	$C_{12}H_{22}O_4$	Isoamyl oxalate	268.0	Nonazeotrope		541
12620	$C_{13}H_{10}$	Fluorene	295	Nonazeotrope		575
12621	$C_{13}H_{12}$	Diphenylmethane	265.6	248.95	82	538
12622	$C_{13}H_{12}O$	Benzyl phenyl ether	286.5	Nonazeotrope		575
12623	$C_{14}H_{12}$	Stilbene	306.5	Nonazeotrope		575
12624	$C_{14}H_{14}$	1,2-Diphenylethane	284	Nonazeotrope		543
A =	**C_7H_7Br**	**α-Bromotoluene**	**198.5**			
12625	C_7H_8O	*o*-Cresol	190.8	Reacts		563
12626	C_7H_8O	*p*-Cresol	201.8	Reacts		563
12627	C_7H_9N	Methylaniline	196.1	Reacts		563
12628	C_7H_9N	*p*-Toluidine	200.3	Reacts		563
12629	$C_7H_{12}O_4$	Ethyl malonate	198.9	197.3	58	563
12630	C_8H_8O	Acetophenone	202	Nonazeotrope		563
12631	$C_8H_8O_2$	Benzyl formate	203.0	<198.0		575
12632	$C_8H_8O_2$	Methyl benzoate	199.45	Nonazeotrope		575
		" "	199.55	~ 197.5	~ 59	563
12633	$C_8H_8O_2$	Phenyl acetate	195.5	194.5	~ 43	563
12634	$C_8H_{11}N$	Dimethylaniline	194.05	Reacts		563
12635	$C_8H_{14}O_4$	Propyl oxalate	214.5	Nonazeotrope		575
12636	$C_8H_{16}O_3$	Isoamyl lactate	202.4	197.6	~ 73	563
12637	$C_8H_{18}O$	Octyl alcohol	195.2	193.5	68	575
12638	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	Nonazeotrope		575
12639	$C_9H_{12}O$	Phenyl propyl ether	190.5	Nonazeotrope		575
12640	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	Nonazeotrope		575
12641	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	Nonazeotrope		547
12642	$C_{10}H_{16}O$	Fenchone	193	Nonazeotrope		563
12643	$C_{10}H_{18}O$	Citronellal	208.0	Nonazeotrope (reacts)		575
12644	$C_{10}H_{18}O$	Menthone	~207	Nonazeotrope		563
12645	$C_{10}H_{20}O_2$	Ethyl caprylate	208.35	Nonazeotrope		575
12646	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope		547
12647	$C_{12}H_{22}O$	Bornyl ethyl ether	204.9	Nonazeotrope		559
A =	**C_7H_7Br**	***m*-Bromotoluene**	**184.3**			
12648	C_7H_8O	Benzyl alcohol	205.25	<184.15		575
12649	C_7H_8O	*o*-Cresol	191.1	183.05	78	527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**C_7H_7Br**	***m*-Bromotoluene**	**184.3**			
		(continued)				
12650	C_7H_9N	Methylaniline	196.25	Nonazeotrope		527
12651	C_7H_9N	*o*-Toluidine	200.35	Nonazeotrope		527
12652	$C_7H_{14}O_2$	Enanthic acid	221.3	Nonazeotrope		527
12653	$C_7H_{14}O_3$	Isobutyl lactate	182.15	180.4	40	567
12654	$C_8H_{11}N$	Dimethylaniline	194.15	Nonazeotrope		527
12655	$C_8H_{16}O$	2-Octanone	172.85	Nonazeotrope		527
12656	$C_8H_{16}O_3$	Isoamyl lactate	202.4	Nonazeotrope		575
12657	$C_8H_{18}O$	Octyl alcohol	195.2	184.05	91	527
12658	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	178.9	43	527
12659	$C_9H_{12}O$	Phenyl propyl ether	190.5	Nonazeotrope		559
12660	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	184.25	87	564
		" "	185.3	Nonazeotrope		551
12661	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	Nonazeotrope		575
12662	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	182.8	75	562
12663	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope		575
12664	$C_{10}H_{16}$	Dipentene	177.7	Nonazeotrope		527
12665	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope		527
12666	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope		527
A =	**C_7H_7Br**	***o*-Bromotoluene**	**181.75**			
12667	C_7H_7Cl	α-Chlorotoluene	179.35	Nonazeotrope		563
12668	C_7H_8O	Benzyl alcohol	205.15	181.25	93?	531
12669	C_7H_8O	*m*-Cresol	202.2	Nonazeotrope		544
12670	C_7H_8O	*o*-Cresol	191.1	180.3	81	542
12671	C_7H_8O	*p*-Cresol	201.8	Nonazeotrope		542
12672	C_7H_9N	*m*-Toluidine	200.55	Nonazeotrope		551
12673	C_7H_9N	*o*-Toluidine	200.35	Nonazeotrope		551
12674	C_7H_9N	*p*-Toluidine	200.55	Nonazeotrope		551
12675	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	Nonazeotrope		575
12676	$C_7H_{14}O_3$	Isobutyl lactate	182.15	180	56	563
12677	$C_7H_{16}O$	Heptyl alcohol	176.15	174.0	33	567
12678	$C_8H_{10}O$	*p*-Methylanisole	177.05	Nonazeotrope		548
12679	$C_8H_{10}O$	Phenetole	170.35	Nonazeotrope		573
12680	$C_8H_{11}N$	Dimethylaniline	194.15	Nonazeotrope		551
12681	$C_8H_{14}O$	Methylheptenone	173.2	Nonazeotrope		552
12682	$C_8H_{16}O$	2-Octanone	172.85	Nonazeotrope		552
12683	$C_8H_{18}O$	Octyl alcohol	195.15	181.0		529
12684	$C_8H_{18}O$	*sec*-Octyl alcohol	179.0	177.0	48	572
12685	$C_8H_{20}SiO_4$	Ethyl silicate	168.8	Nonazeotrope		575
12686	C_9H_8	Indene	182.3	$<$180.5		563
12687	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	Nonazeotrope		551
12688	$C_9H_{18}O_2$	Butyl isovalerate	177.6	Nonazeotrope		547
12689	$C_9H_{18}O_2$	Ethyl enanthate	188.7	Nonazeotrope		575
12690	$C_9H_{18}O_2$	Isoamyl butyrate	178.5	Nonazeotrope		547
12691	$C_9H_{18}O_2$	Isoamyl isobutyrate	170.0	Nonazeotrope		547
12692	$C_9H_{18}O_2$	Isobutyl isovalerate	168.7	Nonazeotrope		563

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**C_7H_7Br**	***o*-Bromotoluene** *(continued)*	**181.75**			
12693	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	180.5	~ 90	563
		"	190.3	Nonazeotrope		547
12694	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		538
12695	$C_{10}H_{16}$	*d*-Limonene	177.8	Nonazeotrope		535
		"	177.8	177.3	~ 17	563
12696	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope		575
12697	$C_{10}H_{16}$	γ-Terpinene	181.5	181.0		538
12698	$C_{10}H_{16}$	Terpinolene	184.6	Nonazeotrope		575
12699	$C_{10}H_{16}$	Thymene	179.7	179.55	~ 15	573
12700	$C_{10}H_{18}O$	Cineole	176.4	Nonazeotrope		528
12701	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		529
12702	$C_{10}H_{19}N$	Bornylamine	199.8	Nonazeotrope		575
12703	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope		547
12704	$C_{10}H_{22}O$	Isoamyl ether	173.5	Nonazeotrope		548
A =	**C_7H_7Br**	***p*-Bromotoluene**	**185.0**			
12705	C_7H_8O	Benzyl alcohol	205.2	~ 184.5	~ 92	535
12706	C_7H_8O	*m*-Cresol	202.2	184.8	~ 95	542
12707	C_7H_8O	*o*-Cresol	191.1	182.7	72	538
12708	C_7H_8O	*p*-Cresol	201.7	184.8	~ 93	542
12709	C_7H_9N	*o*-Toluidine	200.35	Nonazeotrope		551
12710	C_7H_9N	*p*-Toluidine	200.55	Nonazeotrope		551
12711	$C_7H_{12}O_4$	Ethyl malonate	199.2	Nonazeotrope		547
12712	$C_7H_{14}O_3$	Isobutyl lactate	182.15	180.2	38	567
12713	$C_8H_8O_2$	Phenyl acetate	195.7	Nonazeotrope		547
12714	$C_8H_{10}O$	2,4-Xylenol	210.5	Nonazeotrope		575
12715	$C_8H_{11}N$	Dimethylaniline	194.15	Nonazeotrope		551
		"	194.05	184.2	85	535
12716	$C_8H_{18}O$	Octyl alcohol	195.2	184.6	90	575
12717	$C_9H_{14}O$	Phorone	197.8	Nonazeotrope		552
12718	$C_9H_{18}O_2$	Butyl isovalerate	177.6	Nonazeotrope		575
12719	$C_9H_{18}O_2$	Isoamyl butyrate	178.5	Nonazeotrope		547
12720	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	182.9	~ 35	563
12721	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope		575
12722	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		575
12723	$C_{10}H_{16}$	*d*-Limonene	177.8	Nonazeotrope		535
12724	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope		575
12725	$C_{10}H_{16}$	γ-Terpinene	183	182.8	15	575
12726	$C_{10}H_{16}$	Terpinolene	185	~ 183		563
12727	$C_{10}H_{16}$	Thymene	179.7	Nonazeotrope		535
12728	$C_{10}H_{16}O$	Fenchone	193.6	Nonazeotrope		575
12729	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope		573
12730	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		532
12731	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope		547
A =	**C_7H_7BrO**	***o*-Bromoanisole**	**217.7**			
12732	C_7H_7I	*p*-Iodotoluene	214.5	<214.3	<10	575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_7H_7BrO**	***o*-Bromoanisole** *(continued)*	**217.7**				
12733	C_7H_8O	*m*-Cresol	202.2	Nonazeotrope			575
12734	$C_8H_{10}O$	3,4-Xylenol	226.8	Nonazeotrope			575
12735	C_9H_7N	Quinoline	237.3	Nonazeotrope			575
12736	$C_{10}H_8$	Naphthalene	218.0	<216.5	>55		562
12737	$C_{10}H_{12}O$	Estragole	215.6	Nonazeotrope			548
12738	$C_{10}H_{18}O$	Citronellal	208.0	Nonazeotrope			575
12739	$C_{11}H_{20}O$	Terpineol methyl ether	216.2	~ 215.0	>15		548
A =	**C_7H_7BrO**	***p*-Bromoanisole**	**217.7**				
12740	$C_9H_{10}O$	*p*-Methylacetophenone	226.25	Nonazeotrope			575
12741	$C_9H_{10}O$	Propiophenone	217.7	<217.4	>54		575
12742	$C_{10}H_{16}O$	Pulegone	223.8	Nonazeotrope			575
A =	**C_7H_7Cl**	**α-Chlorotoluene**	**179.3**				
12743	C_7H_8O	Benzyl alcohol	205.15	Nonazeotrope			530
		"	205.2	Nonazeotrope		v-l	494
		" 100 mm.		Nonazeotrope		v-l	494
		" 15 mm.		Nonazeotrope		v-l	494
12744	C_7H_8O	*o*-Cresol	190.8	Reacts			563
12745	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	<168.2	<34		575
12746	$C_7H_{14}O_2$	Enanthic acid	222.0	204.0	88		575
12747	$C_7H_{14}O_3$	Isobutyl lactate	182.15	178.0	~ 70		563
12748	$C_7H_{16}O$	Heptyl alcohol	176.15	<173.5	<51		575
12749	C_8H_8O	Acetophenone	202.0	Nonazeotrope			552
12750	$C_8H_{10}O$	Phenetole	170.35	Nonazeotrope			530
12751	$C_8H_{11}N$	Dimethylaniline	194.05	Reacts			563
12752	$C_8H_{14}O$	Methylheptenone	173.2	Nonazeotrope			552
12753	$C_8H_{16}O$	2-Octanone	172.85	Nonazeotrope			552
12754	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope			547
12755	$C_8H_{16}O_2$	Ethyl caproate	167.7	Nonazeotrope			575
12756	$C_8H_{16}O_2$	Hexyl acetate	171.5	Nonazeotrope			575
12757	$C_8H_{16}O_2$	Isoamyl propionate	160.4	Nonazeotrope			547
12758	$C_8H_{18}O$	*n*-Octyl alcohol	195.15	Nonazeotrope			530
12759	$C_8H_{18}O$	*sec*-Octyl alcohol	179.0	165.7			531
12760	$C_9H_{10}O_2$	Benzyl acetate		Nonazeotrope		v-l	495
		" " 100 mm.		Nonazeotrope		v-l	495
		" " 15 mm.		Nonazeotrope		v-l	495
12761	C_9H_{12}	Mesitylene	164.6	Nonazeotrope			575
12762	C_9H_{12}	Propylbenzene	159.3	Nonazeotrope			575
12763	C_9H_{12}	Pseudocumene	169	Nonazeotrope			563
12764	$C_9H_{18}O_2$	Butyl isovalerate	177.6	Nonazeotrope			547
12765	$C_9H_{18}O_2$	Isoamyl butyrate	178.5	~ 178.2	30?		530
12766	$C_9H_{18}O_2$	Isoamyl isobutyrate	170.0	Nonazeotrope			547
12767	$C_9H_{18}O_2$	Isobutyl isovalerate	171.35	Nonazeotrope			538
12768	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	Nonazeotrope			547
12769	$C_{10}H_{14}$	Cymene	175.3	174	< 20		563
12770	$C_{10}H_{16}$	Camphene	159.6	Nonazeotrope			575

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**C_7H_7Cl**	**α-Chlorotoluene** *(continued)*	**179.3**			
12771	$C_{10}H_{16}$	*d*-Limonene	177.8	174.8	46	563
12772	$C_{10}H_{16}$	Nopinene	163.8	Nonazeotrope		575
12773	$C_{10}H_{16}$	α-Phellandrene	171.5	170?		563
12774	$C_{10}H_{16}$	α-Terpinene	173.4	173.0		562
12775	$C_{10}H_{16}$	γ-Terpinene	181.5	176.9	~ 70	538
12776	$C_{10}H_{16}$	Terpinolene	185	~ 177.5		563
12777	$C_{10}H_{16}$	Thymene	179.7	177.2	~ 52	531
12778	$C_{10}H_{18}$	*m*-Menthene-8	170.8	<170.0	<15	562
12779	$C_{10}H_{18}O$	Cineol	176.3	175.5	~ 19	563
12780	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		532
12781	$C_{10}H_{22}O$	Isoamyl ether	172.6	Nonazeotrope		573
A =	**C_7H_7Cl**	***o*-Chlorotoluene**	**159.15**			
12782	C_7H_8O	Anisole	153.85	Nonazeotrope		548
12783	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope		575
12784	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	158.4		575
12785	$C_7H_{14}O_2$	Methyl caproate	151.0	Nonazeotrope		547
12786	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope		559
12787	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope		559
12788	$C_8H_{14}O$	Methylheptenone	173.2	Nonazeotrope		552
12789	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope		547
12790	$C_8H_{16}O_2$	Isoamyl propionate	160.3	158.0	>65	538
12791	$C_8H_{16}O_2$	Isobutyl butyrate	157	155.5	<50	563
		"	156.8	Nonazeotrope		547
12792	$C_8H_{16}O_2$	Isobutyl isobutyrate	147.3	Nonazeotrope		547
12793	$C_8H_{16}O_2$	Propyl isovalerate	155.7	Nonazeotrope		547
12794	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	Nonazeotrope		575
12795	$C_8H_{20}SiO_4$	Ethyl silicate	168.8	Nonazeotrope		575
12796	C_9H_{12}	Cumene	152.8	Nonazeotrope		575
12797	C_9H_{12}	Mesitylene	164.6	Nonazeotrope		538
12798	C_9H_{12}	Pseudocumene	168.2	Nonazeotrope		575
12799	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	Nonazeotrope		552
12800	$C_9H_{18}O_2$	Isobutyl isovalerate	171.35	Nonazeotrope		538
12801	$C_{10}H_{16}$	Camphene	159.6	~ 158.0		538
12802	$C_{10}H_{16}$	Nopinene	163.8	<158.5	>63	562
12803	$C_{10}H_{16}$	α-Pinene	155.8	154.5		562
12804	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope		575
A =	**C_7H_7Cl**	***p*-Chlorotoluene**	**161.3**			
12805	C_7H_8O	Anisole	153.85	Nonazeotrope		563
12806	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope		575
12807	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	161.1	75	567
12808	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	Nonazeotrope		575
12809	$C_7H_{16}O$	Heptyl alcohol	176.15	161.9	~ 92	575
12810	$C_8H_{10}O$	Phenetole	170.35	Nonazeotrope		573
12811	$C_8H_{14}O$	Methylheptenone	173.2	Nonazeotrope		552
12812	$C_8H_{16}O$	2-Octanone	172.85	Nonazeotrope		552

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**C_7H_7Cl**	***p*-Chlorotoluene (*continued*)**	**161.3**			
12813	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope		547
12814	$C_8H_{16}O_2$	Ethyl caproate	167.9	Nonazeotrope		547
12815	$C_8H_{16}O_2$	Isoamyl propionate	160.3	159.5		547
12816	$C_8H_{18}O$	*sec*-Octyl alcohol	179.0	Nonazeotrope		573
12817	$C_8H_{18}S$	Isobutyl sulfide	172.0	Nonazeotrope		566
12818	$C_8H_{20}SiO_4$	Ethyl silicate	168.8	Nonazeotrope		575
12819	C_9H_{12}	Cumene	152.8	Nonazeotrope		575
12820	C_9H_{12}	Mesitylene	164.0	160.5	~ 72	563
12821	C_9H_{12}	Pseudocumene	168.2	Nonazeotrope		538
12822	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	Nonazeotrope		551
12823	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	Nonazeotrope		552
12824	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	Nonazeotrope		575
12825	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	Nonazeotrope		575
12826	$C_{10}H_{16}$	Cymene	176.7	Nonazeotrope		575
12827	$C_{10}H_{16}$	Camphene	159.6	~ 158.0		535
12828	$C_{10}H_{16}$	Dipentene	177.7	Nonazeotrope		575
12829	$C_{10}H_{16}$	Nopinene	163.8	160.2		563
12830	$C_{10}H_{16}$	α-Pinene	155.8	<155.5	<20	575
12831	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope		575
12832	$C_{10}H_{18}$	*m*-Menthene-8	170.8	Nonazeotrope		575
12833	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope		559
12834	$C_{10}H_{22}$	2,7-Dimethyloctane	160.25	158.5	~ 50	563
A =	**C_7H_7ClO**	***m*-Chloroanisole**	**193.3**			
12835	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	Nonazeotrope		575
12836	$C_8H_{18}S$	Butyl sulfide	185.0	Nonazeotrope		575
A =	**C_7H_7ClO**	***o*-Chloroanisole**	**195.7**			
12837	C_7H_8O	*o*-Cresol	191.1	<189.8	>20	562
A =	**C_7H_7ClO**	***p*-Chloroanisole**	**193.3**			
12838	C_8H_8O	Acetophenone	202.0	Nonazeotrope		575
12839	$C_8H_{18}S$	Butyl sulfide	185.0	Nonazeotrope		575
12840	$C_9H_{12}O$	Benzyl ethyl ether	185.0	Nonazeotrope		575
12841	$C_9H_{14}O$	Phorone	197.8	<197.4		575
12842	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		575
12843	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope		575
12844	$C_{10}H_{16}O$	Fenchone	193.6	Nonazeotrope		575
12845	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		575
A =	**C_7H_7I**	***p*-Iodotoluene**	**214.5**			
12846	$C_7H_7NO_2$	*o*-Nitrotoluene	221.75	Nonazeotrope		554
12847	C_7H_8O	Benzyl alcohol	205.15	~ 203.0	25?	529
12848	C_7H_8O	*m*-Cresol	202.2	201.6	25	543
12849	C_7H_8O	*o*-Cresol	190.8	Nonazeotrope		563
12850	C_7H_8O	*p*-Cresol	201.7	201.0	23	542
12851	C_7H_9N	*m*-Toluidine	203.1	Nonazeotrope		551
12852	C_7H_9N	*o*-Toluidine	200.35	Nonazeotrope		551
12853	C_7H_9N	*p*-Toluidine	200.55	Nonazeotrope		551

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**C_7H_7I**	***p*-Iodotoluene *(continued***	**214.5**			
12854	C_7H_9NO	*o*-Anisidine	219.0	213.0	70?	575
12855	$C_7H_{12}O_4$	Ethyl malonate	199.35	<198.8	> 8	575
12856	$C_7H_{14}O_2$	Enanthic-acid	222.0	211.5	83	562
12857	$C_8H_8O_2$	Methyl benzoate	199.4	Nonazeotrope		575
12858	$C_8H_8O_3$	Methyl salicylate	222.95	Nonazeotrope		575
12859	$C_8H_{10}O$	*p*-Ethylphenol	218.8	212.0	72	562
12860	$C_8H_{10}O$	Phenethyl alcohol	219.4	<211.5		575
12861	$C_8H_{10}O$	2,4-Xylenol	210.5	207.5	38	575
12862	$C_8H_{10}O$	3,4-Xylenol	226.8	214.0	85	575
12863	$C_8H_{10}O_2$	*m*-Dimethoxybenzene	214.7	Nonazeotrope		535
12864	$C_8H_{10}O_2$	Veratrole	205.5	Nonazeotrope		535
12865	$C_8H_{11}N$	Dimethylaniline	194.15	Nonazeotrope		551
12866	$C_8H_{11}N$	2,4-Xylidine	214.0	<212.5		575
12867	$C_8H_{14}O_4$	Propyl oxalate	214	<209.2	>53	575
12868	$C_8H_{16}O_3$	Isoamyl lactate	202.4	Nonazeotrope		575
12869	$C_8H_{18}O$	Octyl alcohol	195.2	Nonazeotrope		575
12870	$C_8H_{18}O_3$	2-(2-Butoxyethoxy)-ethanol	231.2	Nonazeotrope		575
12871	C_9H_7N	Quinoline	237.3	Nonazeotrope		553
12872	$C_9H_{10}O$	Propiophenone	217.7	Nonazeotrope		552
12873	$C_9H_{10}O_2$	Ethyl benzoate	212.5	<212.3	>14	575
12874	$C_{10}H_{20}O$	Menthol	216.3	<213.0		575
12875	$C_{10}H_{20}O_2$	Ethyl caprylate	208.35	Nonazeotrope		575
12876	$C_{10}H_{22}S$	Isoamyl sulfide	214.8	<213.3	>42	562
A =	**$C_7H_7NO_2$**	***m*-Nitrotoluene**	**230.8**			
12877	C_7H_8O	Benzyl alcohol	205.25	Nonazeotrope		554
12878	C_7H_9NO	*o*-Anisidine	219.0	Nonazeotrope		575
12879	$C_7H_{14}O_2$	Enanthic acid	222.0	220.0	30	554
12880	$C_7H_{16}O_4$	2-[2-(2-Methoxyethoxy)-ethoxy]-ethanol	245.25	226.4 Nonazeotrope	77	554 554
12881	$C_8H_8O_3$	Methyl salicylate	222.95	Nonazeotrope		554
12882	$C_8H_{10}O$	3,4-Xylenol	226.8	Nonazeotrope		554
12883	$C_8H_{10}O$	*p*-Ethylphenol	220.0	Nonazeotrope		554
12884	$C_8H_{11}NO$	*o*-Phenetidine	232.5	233.0	30	551
12885	$C_8H_{11}NO$	*p*-Phenetidine	249.9	Nonazeotrope		551
12886	$C_8H_{12}O_4$	Ethyl fumarate	217.85	Nonazeotrope		554
12887	$C_8H_{12}O_4$	Ethyl maleate	223.3	Nonazeotrope		554
12888	$C_8H_{14}O_4$	Ethyl succinate	217.25	Nonazeotrope		554
12889	$C_8H_{16}O_2$	Caprylic acid	238.5	<229.8	<80	554
12890	$C_8H_{18}O_3$	2-(2-Butoxyethoxy)-ethanol	231.2	<229.0	<70	554
12891	C_9H_7N	Quinoline	237.6	Nonazeotrope		554
12892	$C_8H_{10}O$	Cinnamyl alcohol	257.0	Nonazeotrope		554
12893	$C_8H_{10}O$	*p*-Methylacetophenone	226.35	Nonazeotrope		575
12894	$C_9H_{10}O$	Propiophenone	217.7	Nonazeotrope		575
12895	$C_9H_{10}O_2$	Benzyl acetate	215.0	Nonazeotrope		554

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_7H_7NO_2$**	***m*-Nitrotoluene** *(continued)*	**230.8**			
12896	$C_9H_{10}O_3$	Ethyl salicylate	253.8	Nonazeotrope		554
12897	$C_9H_{12}O$	3-Phenylpropanol	235.6	229.5	68	554
12898	$C_9H_{18}O_2$	Pelargonic acid	254.0	Nonazeotrope		575
12899	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		554
12900	$C_{10}H_{10}O_2$	Safrol	232	227	55	563
12901	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	230.0	48	554
12902	$C_{10}H_{14}O$	Carvacrol	237.85	Nonazeotrope		554
12903	$C_{10}H_{14}O$	Carvone	231.0	230.5		545
12904	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		554
12905	$C_{10}H_{15}N$	Diethylaniline	217.05	Nonazeotrope		551
12906	$C_{10}H_{16}O$	Pulegone	223.8	Nonazeotrope		575
12907	$C_{10}H_{18}O$	Borneol	213.4	Nonazeotrope		576
12908	$C_{10}H_{18}O$	Geraniol	229.6	227.3	49	554
12909	$C_{10}H_{18}O$	α-Terpineol	218.85	218.65	8	554
12910	$C_{10}H_{20}O$	Citronellol	224.4	223.2	>26	554
12911	$C_{10}H_{20}O$	Menthol	216.3	<216.2		554
12912	$C_{10}H_{22}O$	*n*-Decanol	232.8	228.2	60	554
12913	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	Nonazeotrope		554
12914	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		554
12915	$C_{11}H_{14}O_2$	Ethyl β-phenylpropionate	248.1	Nonazeotrope		554
12916	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	Nonazeotrope		554
12917	$C_{11}H_{17}N$	Isoamylaniline	256.0	Nonazeotrope		551
12918	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	<230.2	>56	554
12919	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	<226.5	>28	554
A =	**$C_7H_7NO_2$**	***o*-Nitrotoluene**	**221.75**			
12920	C_7H_8O	Benzyl alcohol	202.25	Nonazeotrope		554
		"	205.2	204.75	9	536
12921	C_7H_8O	*m*-Cresol	202.2	Nonazeotrope		554
12922	C_7H_9N	Methylaniline	196.25	Nonazeotrope		551
12923	C_7H_9N	*o*-Toluidine	200.35	Nonazeotrope		551
12924	C_7H_9N	*p*-Toluidine	200.55	Nonazeotrope		551
12925	$C_7H_{14}O_2$	Enanthic acid	222.0	<218.0	<60	554
12926	$C_7H_{16}O_4$	2-[2-(2-Methoxyethoxy)-ethoxy]-ethanol	245.25	<220.8	88	554
12927	$C_8H_8O_2$	Phenyl acetate	228.75	Nonazeotrope		554
12928	$C_8H_8O_3$	Methyl salicylate	222.95	221.65	86	554
12929	$C_8H_{10}O$	2-Phenethyl alcohol	219.4	217.6	43	554
12930	$C_8H_{10}O$	2,4-Xylenol	210.5	Nonazeotrope		575
12931	$C_8H_{10}O$	3,4-Xylenol	226.8	Nonazeotrope		554
12932	$C_8H_{10}O_2$	*m*-Dimethoxybenzene	214.7	Nonazeotrope		537
12933	$C_8H_{10}O_2$	*o*-Ethoxyphenol	216.5	Nonazeotrope		554
12934	$C_8H_{10}O_2$	Veratrol	206.5	Nonazeotrope		537
12935	$C_8H_{11}N$	Dimethylaniline	194.15	Nonazeotrope		551
12936	$C_8H_{11}N$	Ethylaniline	205.5	Nonazeotrope		551
12937	$C_8H_{11}N$	2,4-Xylidine	214.0	Nonazeotrope		551

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_7H_7NO_2$**	***o*-Nitrotoluene** *(continued)*	**221.75**			
12938	$C_8H_{11}N$	3,4-Xylidine	225.5	Nonazeotrope		551
12939	$C_8H_{11}NO$	*o*-Phenetidine	232.5	Nonazeotrope		551
12940	$C_8H_{12}O_4$	Ethyl fumarate	217.85	Nonazeotrope		554
12941	$C_8H_{12}O_4$	Ethyl maleate	223.3	221.1	62	554
12942	$C_8H_{14}O_4$	Ethyl succinate	217.25	217.1		554
12943	$C_8H_{16}O_2$	Caprylic acid	237.5	Nonazeotrope		541
12944	$C_8H_{18}O$	*n*-Octyl alcohol	195.2	Nonazeotrope		554
12945	C_9H_7N	Quinoline	237.3	Nonazeotrope		554
12946	$C_9H_{10}O$	Cinnamyl alcohol	257.0	Nonazeotrope		554
12947	$C_9H_{10}O$	*p*-Methylacetophenone	226.35			552
12948	$C_9H_{10}O$	Propiophenone	217.7	Nonazeotrope		552
12949	$C_9H_{10}O_2$	Benzyl acetate	215.0	Nonazeotrope		554
12950	$C_9H_{10}O_2$	Ethyl benzoate	212.5	Nonazeotrope		554
12951	$C_9H_{10}O_3$	Ethyl salicylate	233.8	Nonazeotrope		554
12952	$C_9H_{12}O$	3-Phenylpropanol	235.6	Nonazeotrope		554
		"	235.6	235.3	92	545
12953	$C_9H_{13}N$	*N,N*-Dimethyl-*p*-toluidine	210.2	Nonazeotrope		551
12954	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		554
12955	$C_{10}H_{10}O_2$	Safrole	235.9	Nonazeotrope		554
12956	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	Nonazeotrope		554
12957	$C_{10}H_{14}O$	Carvacrol	237.85	Nonazeotrope		554
12958	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		554
12959	$C_{10}H_{15}N$	Diethylaniline	217.05	216.85	12	551
12960	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope		552
12961	$C_{10}H_{16}O$	Pulegone	223.8	Nonazeotrope		552
12962	$C_{10}H_{17}Cl$	Bornyl chloride	207.5	Nonazeotrope		554
12963	$C_{10}H_{18}O$	Borneol	215.0	213.5	25	554
12964	$C_{10}H_{18}O$	Citronellal	208.0	Nonazeotrope		554
12965	$C_{10}H_{18}O$	Geraniol	229.6	220.7	81	554
12966	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		554
12967	$C_{10}H_{18}O$	α-Terpineol	218.85	217.1	38	554
12968	$C_{10}H_{18}O$	β-Terpineol	210.5	209.7	10	554
12969	$C_{10}H_{20}O$	Citronellol	224.4	219.8	62	554
12970	$C_{10}H_{20}O$	Menthol	216.3	214.65	34	554
12971	$C_{10}H_{20}O_2$	Methyl pelargonate	213.8	Nonazeotrope		554
12972	$C_{10}H_{22}O$	*n*-Decyl alcohol	232.8	221.0	85	554
12973	$C_{10}H_{22}S$	Isoamyl sulfide	214.8	Nonazeotrope		575
12974	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	Nonazeotrope		554
12975	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		554
12976	$C_{11}H_{20}O$	Methyl α-terpineol ether	216.2	215.0	15?	554
12977	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	Nonazeotrope		554
12978	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		554
12979	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	221.15	73	554
A =	**$C_7H_7NO_2$**	***p*-Nitrotoluene**	**238.9**			
12980	C_7H_8O	Benzyl alcohol	202.25	Nonazeotrope		554

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	$C_7H_7NO_2$	*p*-Nitrotoluene *(continued)*	238.9				
12981	$C_7H_{16}O_4$	2-[2-(2-Methoxyethoxy)-ethoxy)-]ethanol	245.25	231.2	61		554
12982	$C_8H_8O_2$	Anisaldehyde	249.5	Nonazeotrope			538
12983	$C_8H_8O_2$	α-Toluic acid	266.8	Nonazeotrope			554
12984	$C_8H_{10}O$	3,4-Xylenol	226.8	Nonazeotrope			554
12985	$C_8H_{10}O$	2-Phenylethanol	219.4	Nonazeotrope			554
12986	$C_8H_{11}NO$	*o*-Phenetidine	232.5	Nonazeotrope			551
12987	$C_8H_{11}NO$	*p*-Phenetidine	249.9	Nonazeotrope			551
12988	$C_8H_{16}O_2$	Caprylic acid	238.5	<235.0	<38		554
12989	C_9H_7N	Quinoline	237.3	237.2	8		553
12990	C_9H_8O	Cinnamyl aldehyde	253.5	Nonazeotrope			554
12991	$C_9H_{10}O_3$	Ethyl salicylate	233.8	Nonazeotrope			554
12992	$C_9H_{12}O$	3-Phenylpropanol	235.6	234.0	38		554
12993	$C_9H_{12}O_2$	2-Benzyloxyethanol	265.2	Nonazeotrope			554
12994	$C_{10}H_7Cl$	1-Chloronaphthalene	262.7	Nonazeotrope			554
12995	$C_{10}H_{10}O_2$	Isosafrole	252.1	Nonazeotrope			554
12996	$C_{10}H_{10}O_2$	Safrole	235.9	234.5	18		554
12997	$C_{10}H_{12}O_2$	Eugenol	254.8	Nonazeotrope			554
12998	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.75	Nonazeotrope			554
12999	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	Nonazeotrope			554
13000	$C_{10}H_{14}O$	Carvacrol	237.85	237.7	>25		554
13001	$C_{10}H_{14}O$	Carvone	231.0	Nonazeotrope			552
13002	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope			554
13003	$C_{10}H_{18}O$	Borneol	215.0	Nonazeotrope			554
13004	$C_{10}H_{18}O$	Geraniol	229.6	228.8	25		554
13005	$C_{10}H_{18}O$	α-Terpineol	217.8	~ 217.6	5		536
		"		Nonazeotrope			545
13006	$C_{10}H_{18}O$	β-Terpineol	210.5	Nonazeotrope			554
13007	$C_{10}H_{20}O$	Menthol	216.3	Nonazeotrope			554
		"	216.4	216.3	3		536
13008	$C_{10}H_{22}O$	*n*-Decyl alcohol	232.8	231.5	33		554
13009	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	Nonazeotrope			554
13010	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope			527
13011	$C_{11}H_{14}O_2$	Butyl benzoate	249.5	Nonazeotrope			554
13012	$C_{11}H_{14}O_2$	Ethyl β-phenylpropionate	248.1	Nonazeotrope			554
13013	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	238.6	70		554
13014	$C_{11}H_{17}N$	Isoamylaniline	256.0	Nonazeotrope			551
13015	$C_{12}H_{10}$	Biphenyl	256.1	Nonazeotrope			554
13016	$C_{12}H_{10}O$	Phenyl ether	259.0	Nonazeotrope			554
13017	$C_{12}H_{16}O_3$	Isoamyl salicylate	277.5	Nonazeotrope			554
13018	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	227.45	10		554
A =	C_7H_8	Toluene	110.7				
13019	C_7H_8O	Benzyl alcohol	204.7	Nonazeotrope		v-l	935
13020	C_7H_8O	*p*-Cresol	201.7	Nonazeotrope			625
13021	C_7H_9N	2,6-Lutidine	144	Nonazeotrope			562
13022	C_7H_{14}	Ethylcyclopentane	103.5	103.0	7		516,632

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_7H_8**	**Toluene *(continued)***	**110.7**				
13023	C_7H_{14}	3-Heptene		Nonazeotrope		v-l	1016
13024	C_7H_{14}	Methylcyclohexane	101.0	Nonazeotrope		v-l	236
		" 500 mm.	86.7	Nonazeotrope		v-l	236
		" 350 mm.	75.5	Nonazeotrope		v-l	236
		" 200 mm.	59.6	Nonazeotrope		v-l	236
		"	101.1	Nonazeotrope		v-l	317,772, 893
		" 60°-100° C.		Evaporation data			851
13025	$C_7H_{11}O$	2-Methylcyclohexanol	168.5	Nonazeotrope			575
13026	$C_7H_{14}O_2$	Isopropyl isobutyrate	120.8	Nonazeotrope			575
13027	C_7H_{16}	Heptane 25°C.		Nonazeotrope		v-l	932c
		" 90°C		Nonazeotrope		v-l	1022
		"	98	Evaporation data		v-l	317
		"	98.4	Nonazeotrope		v-l	1016
13028	$C_7H_{16}O$	Heptyl alcohol	176.15	Nonazeotrope			575
13029	C_8H_{10}	Ethylbenzene 90°C	136.18	Nonazeotrope (b.p. curve)			1045
13030	C_8H_{10}	*p*-Xylene 90°C		Nonazeotrope		v-l	1022
13031	$C_8H_{11}N$	2-Methyl-5-ethyl-pyridine	178.3	Nonazeotrope			981
13032	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	Nonazeotrope			575
13033	C_8H_{16}	*cis*-1,3-Dimethylcyclo-hexane	120.1	110.6	96		632
13034	C_8H_{16}	1,1,3-Trimethylcyclopen-tane	104.9	103.8	16		632
13035	C_8H_{16}	*cis-trans-cis*-1,2,3-Trime-thylcyclopentane	110.4	108.0	39		632
13036	C_8H_{16}	*cis-trans-cis*-1,2,4-Trime-thylcyclopentane	109.3	107.0	39		632
13037	C_8H_{16}	2,3,4-Trimethyl-2-pentene	116	110	82		632
13038	C_8H_{18}	2,5-Dimethylhexane	109.4	107.0	35		632
13039	C_8H_{18}	2-Methylheptane	117.6	110.3	82		632
13040	C_8H_{18}	Isooctane	99.3	Nonazeotrope		v-l	759
13041	C_8H_{18}	*n*-Octane	125.4	Nonazeotrope		v-l	86,203
13042	C_8H_{18}	2,3,4-Trimethylpentane	113.5	109.5	60		632
13043	C_8H_{18}	2,2,4-Trimethylpentane	99.3	Nonazeotrope		v-l	163,779c
13044	$C_8H_{18}O$	Isobutyl ether	122	Nonazeotrope			537
13045	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	Nonazeotrope			575
13046	$C_{10}H_{22}O$	Decyl alcohol (isomers)		Nonazeotrope			981
13047	$C_{12}H_{26}O$	2,6,8-Trimethyl-4-nonanol	225.5	Nonazeotrope			981
A =	**$C_7H_8SiCl_2$**	**Methylphenyldichlorosilane**	**203.6**				
13048	$C_8H_{11}SiCl$	Dimethylphenyl-chlorosilane	194.6	Nonazeotrope		v-l	228
A =	**C_7H_8O**	**Anisole**	**153.85**				
13049	C_7H_{14}	4-Heptanone	143.3	Nonazeotrope			545

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**C_7H_8O**	**Anisole** *(continued)*	**153.85**			
13050	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	Nonazeotrope		576
13051	$C_7H_{14}O_2$	Butyl propionate	146.5	Nonazeotrope		557
13052	$C_7H_{14}O_2$	Isoamyl acetate	142.1	Nonazeotrope		557
13053	$C_7H_{14}O_2$	Propyl butyrate	143.7	Nonazeotrope		557
13054	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	Nonazeotrope		527
13055	$C_7H_{16}O$	Heptyl alcohol	176.15	Nonazeotrope		556
13056	$C_7H_{16}O_3$	Ethyl orthoformate	145.75	Nonazeotrope		549
13057	C_8H_8	Styrene	145.8	Nonazeotrope		573
13058	C_8H_{10}	*m*-Xylene	139.2	Nonazeotrope		527
13059	C_8H_{10}	*o*-Xylene	143.6	Nonazeotrope		548
13060	$C_8H_{16}O$	2-Octanone	172.85	Nonazeotrope		552
13061	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope		557
13062	$C_8H_{16}O_2$	Isoamyl propionate	160.4	Nonazeotrope		557
13063	$C_8H_{16}O_2$	Isobutyl butyrate	156.8	Nonazeotrope		557
		"	157	151	67	563
13064	$C_8H_{16}O_2$	Isobutyl isobutyrate	148.0	Nonazeotrope		527
13065	$C_8H_{16}O_2$	Propyl isovalerate	155.7	<153.6		557
13066	$C_8H_{18}O$	Butyl ether	142.4	Nonazeotrope		549
13067	$C_8H_{19}N$	Diisobutylamine	138.5	Nonazeotrope		551
13068	$C_8H_{20}SiO_4$	Ethyl silicate	168.8	Nonazeotrope		557
13069	C_9H_{12}	Cumene	152.8	<152.0	>30	558
13070	C_9H_{12}	Mesitylene	164.6	Nonazeotrope		558
13071	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	Nonazeotrope		557
13072	$C_{10}H_{16}$	Camphene	159.5	151.85	63	572
13073	$C_{10}H_{16}$	Nopinene	163.8	152.3	74	558
13074	$C_{10}H_{16}$	α-Pinene	155.8	150.45	56	563
13075	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope		558
13076	$C_{10}H_{22}$	2,7-Dimethyloctane	160.1	153.2	66	558
		"	160.25	Nonazeotrope		563
A =	**C_7H_8O**	**Benzyl Alcohol**	**205.2**			
13077	C_7H_8O	*m*-Cresol	202.2	207.1	61	542
13078	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope		535
		"	190.8	206		563
13079	C_7H_8O	*p*-Cresol	201.7	206.8	62	542
13080	$C_7H_8O_2$	Guaiacol	205.05	204.25	43	556
13081	C_7H_9N	Methylaniline	196.25	195.8	30	551
		"	196.1	Nonazeotrope		545
13082	C_7H_9N	*m*-Toluidine	203.1	Nonazeotrope		551
		"	203.2	203.1	47	548
13083	C_7H_9N	*o*-Toluidine	200.35	Nonazeotrope		551
13084	C_7H_9N	*p*-Toluidine	200.55	Nonazeotrope		551
13085	C_7H_9NO	*o*-Anisidine	219.0	Nonazeotrope		551
13086	$C_7H_{13}ClO_2$	Isoamyl chloroacetate	195.0	Nonazeotrope		575
13087	C_8H_8O	Acetophenone	202.0	Nonazeotrope		571
		"	202	~ 201		563

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_7H_8O**	**Benzyl Alcohol** *(continued)*	**205.2**				
13088	$C_8H_8O_2$	Benzyl formate	~ 202.3	~ 202.0			535
		" "			52		999
13089	$C_8H_8O_2$	Methyl benzoate	199.2	Nonazeotrope			529
13090	$C_8H_8O_2$	Phenyl acetate	195.7	Nonazeotrope			535
13091	$C_8H_8O_3$	Methyl salicylate	205.2	Nonazeotrope			545
13092	$C_8H_{10}O$	*p*-Ethylphenol	218.8	Nonazeotrope			575
13093	$C_8H_{10}O$	3,4-Xylenol	226.8	Nonazeotrope			575
13094	$C_8H_{10}O_2$	*m*-Dimethoxybenzene	214.7	Min. b.p.?			576
13095	$C_8H_{10}O_2$	*o*-Ethoxyphenol	216.5	Nonazeotrope			575
13096	$C_8H_{10}O_2$	2-Phenoxyethanol	245.2	Nonazeotrope			575
13097	$C_8H_{10}O_2$	Veratrole	206.5	202.5	50		545
13098	$C_8H_{11}N$	Dimethylaniline	194.05	193.9	6.5		551
13099	$C_8H_{11}N$	Ethylaniline	205.5	202.8	50		551
13100	$C_8H_{11}N$	2,4-Xylidine	214.0	Nonazeotrope			551
13101	$C_8H_{11}N$	3,4-Xylidine	225.5	Nonazeotrope			551
13102	$C_8H_{11}NO$	*o*-Phenetidine	232.5	Nonazeotrope			551
13103	$C_8H_{16}O_4$	2-(2-Ethoxyethoxy)ethyl acetate	218.5	Nonazeotrope			575
13104	C_9H_7N	Quinoline	237.3	Nonazeotrope			553
13105	$C_9H_{10}O$	Benzyl vinyl ether, 25 mm.		103			1008
13106	$C_9H_{10}O$	Propiophenone	217.7	Nonazeotrope			552
13107	$C_9H_{10}O_2$	Benzyl acetate	214.9	Nonazeotrope			529
		" "		201.1	93	v-l	495
		" " 100 mm.		140.0	84.7	v-l	495
		" " 50 mm.		98.8	79	v-l	495
13108	$C_9H_{10}O_2$	Ethyl benzoate	213	Nonazeotrope			563
13109	$C_9H_{10}O_2$	Methyl α-toluate	215.3	Nonazeotrope			575
13110	C_9H_{12}	Mesitylene	164.6	Nonazeotrope			540
13111	$C_9H_{12}O$	Phenyl propyl ether	190.5	Nonazeotrope			575
13112	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	185.2	7		551
		"		Nonazeotrope			545
13113	$C_9H_{13}N$	*N,N*-Dimethyl-*p*-toluidine	210.2	202.8	58		551
13114	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	Nonazeotrope			575
13115	$C_{10}H_8$	Naphthalene	218.05	204.1	60		541
13116	$C_{10}H_{10}O_2$	Safrole	235.9	Nonazeotrope			556
13117	$C_{10}H_{12}O$	Anethole	235.7	Nonazeotrope			575
13118	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope			537
13119	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope			575
13120	$C_{10}H_{15}N$	Diethylaniline	217.05	204.2	72		551
13121	$C_{10}H_{16}$	Camphene	159.6	Nonazeotrope			537
13122	$C_{10}H_{16}$	*d*-Limonene	177.8	176.4	11		541
13123	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope			563
13124	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope			575
13125	$C_{10}H_{16}$	Terpinene	180.5	179	13?		563

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A = C_7H_8O		**Benzyl Alcohol** *(continued)*	**205.2**				
13126	$C_{10}H_{16}$	Terpinolene	184.6	182.5	15		575
13127	$C_{10}H_{16}$	Thymene	179.7	179.0	14		530
13128	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope			552
		"	208.9	205.45?			563
13129	$C_{10}H_{18}O$	Borneol	215.0	205.07	85.8		549
13130	$C_{10}H_{18}O$	Citronellal	207.8	202.9	56		529
13131	$C_{10}H_{18}O$	Menthone	209.5	Nonazeotrope			552
		"	207	~ 204.8			563
13132	$C_{10}H_{18}O$	α-Terpineol	217.8	Nonazeotrope			532
13133	$C_{10}H_{20}O$	Menthol	216.4	Nonazeotrope			545
13134	$C_{10}H_{20}O_2$	Ethyl caprylate	208.35	<204.8	<82		575
13135	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope			575
13136	$C_{10}H_{22}S$	Isoamyl sulfide	214.8	Nonazeotrope			566
13137	$C_{11}H_{10}$	1-Methylnaphthalene	244.9	Nonazeotrope			537
13138	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope			575
13139	$C_{11}H_{16}O$	Methyl thymyl ether	216.5	Nonazeotrope			575
13140	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	Nonazeotrope			556
		" "	192.2	Min. b.p.			576
13141	$C_{11}H_{20}O$	Terpineol methyl ether	216.2	Nonazeotrope			545
13142	$C_{11}H_{24}O_2$	Diisoamyloxymethane	207.5	198.7	~ 50		563
13143	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	203.2	57		537
13144	$C_{12}H_{22}O$	Ethyl isobornyl ether	203.5	201	39		556
13145	$C_{12}H_{22}O$	Bornyl ethyl ether	204.9	<203.0	<50		575
A = C_7H_8O		***m*-Cresol**	**202.2**				
13146	C_7H_8O	*o*-Cresol	191.1	Nonazeotrope			813
13147	C_7H_8O	*p*-Cresol	200.9	Nonazeotrope			328
13148	$C_7H_8O_2$	Guaiacol	205.05	Nonazeotrope			542
13149	C_7H_9N	Benzylamine	185.0	<207.2	<94		551
13150	C_7H_9N	Methylaniline	196.25	Nonazeotrope			551
13151	C_7H_9N	*m*-Toluidine	203.1	205.5	53		551
13152	C_7H_9N	*o*-Toluidine	200.35	203.65	61.5		551
13153	C_7H_9N	*p*-Toluidine	200.55	204.3	62		551
13154	$C_7H_{14}O_2$	Enanthic acid	222.0	Nonazeotrope			575
13155	$C_7H_{14}O_3$	Isobutyl lactate	182.15	Max. b.p.			544
13156	$C_7H_{16}O_3$	2-Ethoxyethyl 2-methoxyethyl ether	194.2		63.6	v-l	730
13157	C_8H_8O	Acetophenone	202.0	208.45	47.2		552
13158	$C_8H_8O_2$	Benzyl formate	202.4	207.1	46		542
13159	$C_8H_8O_2$	Methyl benzoate	199.45	204.6	63		542
13160	$C_8H_8O_2$	Phenyl acetate	195.7	204.4	70		542
13161	$C_8H_{10}O$	Phenethyl alcohol	219.4	Nonazeotrope			542
13162	$C_8H_{10}O$	2,4-Xylenol	210.5	Nonazeotrope			575
13163	$C_8H_{10}O_2$	*m*-Dimethoxylbenzene	214.7	Nonazeotrope			544
13164	$C_8H_{10}O_2$	Veratrole	206.5	Nonazeotrope			542
13165	$C_8H_{11}N$	2,4,6-Collidine	171.2	206.19	73		506

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_7H_8O**	***m*-Cresol *(continued)***	**202.2**				
13166	$C_8H_{11}N$	Dimethylaniline	194.15	Nonazeotrope			551
13167	$C_8H_{11}N$	Ethylaniline	205.5	Nonazeotrope			551
13168	$C_8H_{12}O_4$	Ethyl fumarate	217.85	Nonazeotrope			575
13169	$C_8H_{12}O_4$	Ethyl maleate	223.3	Nonazeotrope			575
13170	$C_8H_{16}O_2$	2-Ethylcaproic acid	227	Nonazeotrope		v-l	730
13171	$C_8H_{16}O_3$	Isoamyl lactate	202.4	207.6	50		563
13172	$C_8H_{18}O$	Octyl alcohol	195.15	203.3	62		542
13173	$C_8H_{18}O$	*sec*-Octyl alcohol	179.0	Nonazeotrope			542
13174	$C_8H_{18}O_3$	Bis(2-ethoxyethyl)ether	188.9		62	v-l	730
13175	C_9H_8	Indene	182.6	Nonazeotrope			542
13176	$C_9H_{10}O$	*p*-Methylacetophenone	226.35	Nonazeotrope			552
13177	$C_9H_{10}O$	Propiophenone	217.7	218.6	17		552
13178	$C_9H_{10}O_2$	Benzyl acetate	215.0	Nonazeotrope			575
		" "	214.9	215.5	12		542
13179	$C_9H_{10}O_2$	Ethyl benzoate	212.6	212.75	~ 9		542
		" "	212.4		26.6		314
13180	$C_9H_{12}O$	Phenyl propyl ether	190.5	Nonazeotrope			575
13181	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.35	Nonazeotrope			551
13182	$C_9H_{13}N$	*N,N*-Dimethyl-*p*-toluidine	210.2	Nonazeotrope			551
13183	$C_9H_{14}O$	Phorone	197.8	206.5	55		552
13184	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	Nonazeotrope			575
13185	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	Nonazeotrope			544
13186	$C_{10}H_7Cl$	1-Chloronaphthalene	262.7	Nonazeotrope			544
13187	$C_{10}H_8$	Naphthalene	218.05	202.08	2.8?		541
		"	217.9	Nonazeotrope			506
13188	$C_{10}H_{12}O$	Estragole	215.6	Nonazeotrope			542
13189	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.75	Nonazeotrope			575
13190	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope			575
13191	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope			544
13192	$C_{10}H_{14}O$	Carvone	231.0	Nonazeotrope			552
13193	$C_{10}H_{15}N$	Diethylaniline	217.05	Nonazeotrope			551
13194	$C_{10}H_{16}$	*d*-Limonene	177.9	Nonazeotrope			544
13195	$C_{10}H_{16}$	Nopinene	163.8	Nonazeotrope			575
13196	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope			575
13197	$C_{10}H_{16}$	Thymene	179.7	Nonazeotrope			542
13198	$C_{10}H_{16}O$	Camphor	209.1	213.35	36.5		552
13199	$C_{10}H_{18}O$	Borneol	213.4	Nonazeotrope			542
13200	$C_{10}H_{18}O$	Citronellal	207.8	211.0	30		545
13201	$C_{10}H_{18}O$	Geraniol	229.6	Nonazeotrope			575
13202	$C_{10}H_{18}O$	Linalool	198.6	Reacts			542
13203	$C_{10}H_{20}O$	Menthol	216.4	Nonazeotrope			544
13204	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope			542
13205	$C_{10}H_{20}O_2$	Methyl pelargonate	213.8	Nonazeotrope			575
13206	$C_{10}H_{22}O$	Isoamyl ether	173.35	Nonazeotrope			564
13207	$C_{11}H_{10}$	2-Methylnaphthalene	241.1	Nonazeotrope		v-l	730
13208	$C_{11}H_{20}O$	α-Terpineol methyl ether	216.2	Nonazeotrope			542

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_7H_8O**	***m*-Cresol *(continued)***	**202.2**				
13209	$C_{12}H_{12}$	1-Ethylnaphthalene	254.2	Nonazeotrope		v-l	730
13210	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope			542
13211	$C_{12}H_{20}O_2$	Bornyl acetate	227.7	Nonazeotrope			544
13212	$C_{13}H_{14}$	2-Isopropylnaphthalene	266.5	Nonazeotrope		v-l	730
13213	$C_{14}H_{30}O$	Tetradecanol	260.0	Nonazeotrope		v-l	730
13214	$C_{15}H_{18}$	2-Amylnaphthalene	292.3	Nonazeotrope		v-l	730
13215	$C_{16}H_{20}$	Diisopropylnaphthalene	305	Nonazeotrope		v-l	730
A =	**C_7H_8O**	***o*-Cresol**	**191.1**				
13216	C_7H_8O	*p*-Cresol	201.7	Nonazeotrope			545
13217	C_7H_9N	Benzylamine	185.0	201.45	67		551
13218	C_7H_9N	Methylaniline	196.25	Nonazeotrope			551
		"	196.1	196.7	~ 10		563
13219	C_7H_9N	*m*-Toluidine	203.1	Nonazeotrope			551
13220	C_7H_9N	*o*-Toluidine	200.35	Nonazeotrope			551
13221	C_7H_9N	*p*-Toluidine	200.55	Nonazeotrope			551
13222	C_7H_9NO	*o*-Anisidine	219.0	Nonazeotrope			575
13223	$C_7H_{12}O_4$	Ethyl malonate	198.9	Reacts			563
13224	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	Nonazeotrope			575
13225	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	194.1	68		556
13226	$C_7H_{14}O_3$	Isobutyl lactate	182.15	193.3	69		542
13227	$C_7H_{16}O$	Heptyl alcohol	176.16	Nonazeotrope			575
13228	C_8H_8	Styrene	145.8	Nonazeotrope			575
13229	C_8H_8O	Acetophenone	202.0	203.75	26		552
13230	$C_8H_8O_2$	Benzyl formate	202.3	~ 203.0	~ 15		574
13231	$C_8H_8O_2$	Methyl benzoate	199.45	200.3	21		542
13232	$C_8H_8O_2$	Phenyl acetate	195.7	198.5	36		542
13233	C_8H_{10}	*o*-Xylene	144.3	Nonazeotrope			575
13234	$C_8H_{10}O$	*p*-Methylanisole	177.05	Nonazeotrope			542
13235	$C_8H_{10}O$	Phenetole	170.45	Nonazeotrope			556
13236	$C_8H_{10}O_2$	Veratrole	206.5	Nonazeotrope			544
13237	$C_8H_{11}N$	*o*-Collidine	171.30	197.20	63.0		505
13238	$C_8H_{11}N$	Dimethylaniline	194.15	Nonazeotrope			551
		"	194.05	195.6	<30		563
13239	$C_8H_{11}N$	Ethylaniline	205.5	Nonazeotrope			551
13240	$C_8H_{11}N$	2,4-Xylidine	214.0	Nonazeotrope			551
13241	$C_8H_{12}O_4$	Ethyl fumarate	217.85	Nonazeotrope			575
13242	$C_8H_{12}O_4$	Ethyl maleate	223.3	Nonazeotrope			575
13243	$C_8H_{14}O$	Methylheptenone	173.2	191.8	85		552
13244	$C_8H_{14}O_4$	Ethyl succinate	216.5	Nonazeotrope			563
13245	$C_8H_{16}O$	2-Octanone	172.85	192.05	76		527
13246	$C_8H_{16}O_3$	Isoamyl lactate	202.4	204.2	18		542
13247	$C_8H_{18}O$	Octyl alcohol	195.15	196.9	38		574
13248	$C_8H_{18}O$	*sec*-Octyl alcohol	179.0	191.4	~ 92		535
13249	$C_8H_{18}S$	Butyl sulfide	185.0	183.8	25		566

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**C_7H_8O**	***o*-Cresol *(continued)***	**191.1**			
13250	$C_8H_{18}S$	Isobutyl sulfide	172.0	Nonazeotrope		566
13251	$C_8H_{20}SiO_4$	Ethyl silicate	168.8	Nonazeotrope		575
13252	C_9H_8	Indene	183.0	182.9	9	541
13253	$C_9H_{10}O$	Propiophenone	217.7	Nonazeotrope		552
13254	$C_9H_{10}O_2$	Benzyl acetate	215.0	Nonazeotrope		575
13255	$C_9H_{10}O_2$	Ethyl benzoate	212.9	Nonazeotrope		563
13256	C_9H_{12}	Mesitylene	164.0	Nonazeotrope		563
13257	C_9H_{12}	Cumene	152.8	Nonazeotrope		575
13258	C_9H_{12}	Propylbenzene	159.3	Nonazeotrope		575
13259	C_9H_{12}	Pseudocumene	168.2	Nonazeotrope		575
13260	$C_9H_{12}O$	Benzyl ethyl ether	185.0	Nonazeotrope		575
13261	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.35	185.3	5	551
13262	$C_9H_{13}N$	*N,N*-Dimethyl-*p*-toluidine	210.2	Nonazeotrope		575
13263	$C_9H_{14}O$	Phorone	197.8	201.3	35	552
13264	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	Nonazeotrope		552
13265	$C_9H_{18}O_2$	Butyl isovalerate	177.6	Nonazeotrope		575
13266	$C_9H_{18}O_2$	Ethyl enanthate	188.7	193.7	60	562
13267	$C_9H_{18}O_2$	Isoamyl butyrate	178.5	191.6	~ 83	573
13268	$C_9H_{18}O_2$	Isobutyl isovalerate	168.7	Nonazeotrope		563
13269	$C_9H_{18}O_2$	Methyl caprylate	192.9	195.8	33	562
13270	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	194.5	49	542
13271	$C_{10}H_8$	Naphthalene	218.05	Nonazeotrope		538
13272	$C_{10}H_{14}$	Cymene	175.3	~ 175		563
13273	$C_{10}H_{15}N$	Diethylaniline	217.05	Nonazeotrope		551
13274	$C_{10}H_{16}$	Camphene	159.6	Nonazeotrope		542
13275	$C_{10}H_{16}$	*d*-Limonene	177.8	175.35	25	563
13276	$C_{10}H_{16}$	Nopinene	163.8	Azeotrope doubtful (reacts)		563
13277	$C_{10}H_{16}$	α-Phellandrene	171.5	171?		563
13278	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope		563
13279	$C_{10}H_{16}$	α-Terpinene	173.4	172.0	16	562
13280	$C_{10}H_{16}$	Terpinene	181.5	177.8	28	542
13281	$C_{10}H_{16}$	Terpinolene	184.6	179.5	34	562
13282	$C_{10}H_{16}$	Thymene	179.7	176.6	73	573
13283	$C_{10}H_{16}O$	Camphor	209.1	209.85	15	552
13284	$C_{10}H_{16}O$	Fenchone	193.6	199.6	43	552
13285	$C_{10}H_{17}Cl$	Bornyl chloride	~ 210	Nonazeotrope		563
13286	$C_{10}H_{18}O$	Borneol	211.8	Nonazeotrope		563
13287	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope		556
13288	$C_{10}H_{18}O$	Citronellal	208.0	Nonazeotrope		575
13289	$C_{10}H_{18}O$	Linalool	198.6	199.0	~ 20	535
		"	198.6	Nonazeotrope		538
13290	$C_{10}H_{18}O$	α-Terpineol	218.85	Nonazeotrope		575
13291	$C_{10}H_{18}O$	β-Terpineol	210.5	Nonazeotrope		575
13292	$C_{10}H_{20}O$	Menthol	216.4	Nonazeotrope		542
13293	$C_{10}H_{20}O_2$	Ethyl caprylate	208.35	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_7H_8O**	***o*-Cresol *(continued)***	**191.1**				
13294	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	195.45	33		570
13295	$C_{10}H_{22}$	2,7-Dimethyloctane	160.1	Nonazeotrope			575
13296	$C_{10}H_{22}O$	Amyl ether	187.5	186.2			556
13297	$C_{10}H_{22}O$	Isoamyl ether	173.4	Nonazeotrope			542,556
13298	$C_{10}H_{22}S$	Isoamyl sulfide	214.8	Nonazeotrope			566
13299	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	189.7	68		562
13300	$C_{12}H_{18}$	1,3,5-Triethylbenzene	216	Nonazeotrope			542
13301	$C_{12}H_{22}O$	Ethyl isobornyl ether	204.9	Nonazeotrope			575
A =	**C_7H_8O**	***x*-Cresol**	**202**				
13302	C_7H_9N	Pyridine bases	163	204.9	78		1065
13303	C_7H_9N	Pyridine bases	157	204.4	80		1065
13304	C_7H_9N	Pyridine bases	142-5	202.5	90		1065
A =	**C_7H_8O**	***m,p*-Cresols**	**202**				
13305	$C_{10}H_8$	Naphthalene	218.1	202	71.8		624
13306	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope			270
A =	**C_7H_8O**	***p*-Cresol**	**201.6**				
13307	$C_7H_8O_2$	Guaiacol	205.1	Nonazeotrope			528
13308	C_7H_9N	Benzylamine	185.0	> 206.5	<95		551
13309	C_7H_9N	Methylaniline	196.25	Nonazeotrope			551
		"	196.1	~ 202.2	~ 93		563
13310	C_7H_9N	*m*-Toluidine	203.1	204.9	47		551
13311	C_7H_9N	*o*-Toluidine	200.35	203.5	57		551
13312	C_7H_9N	*p*-Toluidine	200.55	204.05	57		551
13313	C_7H_9NO	*o*-Anisidine	219.0	Nonazeotrope			575
13314	$C_7H_{12}O_4$	Ethyl malonate	198.9	Reacts			563
13315	$C_7H_{14}O$	2-Methylcyclohexanol	168.5	Nonazeotrope			575
13316	$C_7H_{14}O_2$	Enanthic acid	222.0	Nonazeotrope			575
13317	$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate	171.75	203.3	82		527
13318	$C_7H_{14}O_3$	Isobutyl lactate	182.15	Nonazeotrope			542
13319	$C_7H_{14}O_3$	2-Ethoxyethyl 2-methoxyethyl ether	194.2	64.7		v-l	730
13320	C_8H_8O	Acetophenone	202.0	208.4	46.5		552
13321	$C_8H_8O_2$	Benzyl formate	202.4	207.0	42		542
13322	$C_8H_8O_2$	Methyl benzoate	199.4	204.35	40		527
13323	$C_8H_8O_2$	Phenyl acetate	195.7	204.3	68		573
13324	$C_8H_{10}O$	Phenethyl alcohol	219.4	Nonazeotrope			542
13325	$C_8H_{10}O_2$	*m*-Dimethoxybenzene	214.7	Nonazeotrope			538
13326	$C_8H_{10}O_2$	*o*-Ethoxyphenol	216.5	Nonazeotrope			542
13327	$C_8H_{10}O_2$	Veratrole	206.5	Nonazeotrope			542
13328	$C_8H_{11}N$	Dimethylaniline	194.15	Nonazeotrope			551
13329	$C_8H_{11}N$	2-4-Xylidine	214.0	Nonazeotrope			551
13330	$C_8H_{11}N$	Ethylaniline	205.5	Nonazeotrope			551
		"		207.2	<20		562
13331	$C_8H_{12}O_4$	Ethyl fumarate	217.85	Nonazeotrope			526

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	C_7H_8O	*p*-Cresol *(continued)*	201.6				
13332	$C_8H_{12}O_4$	Ethyl maleate	223.3	Nonazeotrope			526
13333	$C_8H_{14}O_4$	Ethyl succinate	216.5	Reacts			563
13334	$C_8H_{16}O_2$	2-Ethylcaproic acid	227	Nonazeotrope		v-l	730
13335	$C_8H_{16}O_3$	Isoamyl lactate	202.4	207.25	48		563
13335a	C_8H_{18}	Octane	125	Nonazeotrope		v-l	956c
13336	$C_8H_{18}O$	Octyl alcohol	195.2	202.25	70		564
13337	$C_8H_{18}O$	*sec*-Octyl alcohol	178.5	Nonazeotrope			563
13338	$C_8H_{18}O_3$	Bis(2-ethoxyethyl) ether	188.9		63	v-l	730
13339	$C_8H_{18}S$	Butyl sulfide	185.0	Nonazeotrope			566
13340	C_9H_8	Indene	182.6	Nonazeotrope			542
13341	$C_9H_{10}O$	*p*-Methylacetophenone	226.35	Nonazeotrope			552
13342	$C_9H_{10}O$	Propiophenone	217.7	218.5	16.2		552
13343	$C_9H_{10}O_2$	Benzyl acetate	214.9	~ 215.2	10		542
		"	215.6	Nonazeotrope			563
13344	$C_9H_{10}O_2$	Ethyl benzoate	212.6	Nonazeotrope			542
		" "	212.4		24.5		314
13345	$C_9H_{12}O$	Phenyl propyl ether	190.5	Nonazeotrope			575
13346	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.35	Nonazeotrope			551
13347	$C_9H_{13}N$	*N,N*-Dimethyl-*p*-toluidine	210.2	Nonazeotrope			551
13348	$C_9H_{14}O$	Phorone	197.8	206.0	55		552
13349	$C_9H_{18}O_2$	Butyl isovalerate	177.6	Nonazeotrope			575
13350	$C_9H_{18}O_2$	Ethyl enanthate	188.7	Nonazeotrope			575
13351	$C_9H_{18}O_2$	Isoamyl butyrate	178.5	Nonazeotrope			542
13352	$C_9H_{18}O_2$	Methyl caprylate	192.9	Nonazeotrope			575
13353	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	203.2	~ 80		563
13354	$C_{10}H_8$	Naphthalene	218.05	Nonazeotrope			542
13355	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.75	Nonazeotrope			575
13356	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	Nonazeotrope			575
13357	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope			575
13358	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope			542
13359	$C_{10}H_{14}O$	Carvone	231.0	Nonazeotrope			552
13360	$C_{10}H_{15}N$	Diethylaniline	217.05	Nonazeotrope			551
13361	$C_{10}H_{16}$	*d*-Limonene	177.8	177.6	4		542
13362	$C_{10}H_{16}$	Nopinene	163.8	Nonazeotrope			575
13363	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope			575
13364	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope			575
13365	$C_{10}H_{16}$	γ-Terpinene	183	181.8	13		575
13366	$C_{10}H_{16}$	Terpinene	180.5	~ 179			563
13367	$C_{10}H_{16}$	Terpinolene	184.6	183	16		575
13368	$C_{10}H_{16}$	Thymene	179.7	Nonazeotrope			564
13369	$C_{10}H_{16}O$	Camphor	209.1	213.5	30.5		552
13370	$C_{10}H_{16}O$	Fenchone	193.6	205.5	72		552
13371	$C_{10}H_{16}O$	Pulegone	223.8	224.2	97		552
13372	$C_{10}H_{17}Cl$	Bornyl chloride	~210	200.5	70		563
13373	$C_{10}H_{18}O$	Borneol	213.4	213.6	~ 10		535
13374	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope			556

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_7H_8O**	***p*-Cresol** *(continued)*	**201.6**				
13375	$C_{10}H_{18}O$	Citronellal	207.8	210.5			545
13376	$C_{10}H_{18}O$	Geraniol	229.5	Nonazeotrope			575
13377	$C_{10}H_{18}O$	Linalool	198.6	204	~ 55		535
13378	$C_{10}H_{18}O$	Menthone	~206	211	~ 38		563
13379	$C_{10}H_{18}O$	α-Terpineol	218.0	Nonazeotrope			542
13380	$C_{10}H_{18}O$	β-Terpineol	210.5	Nonazeotrope			575
13381	$C_{10}H_{20}O$	Citronellol	224.4	Nonazeotrope			575
13382	$C_{10}H_{20}O$	Menthol	216.4	Nonazeotrope			535
		"	212	212			563
13383	$C_{10}H_{20}O_2$	Ethyl caprylate	208.35	209.5	25		575
13384	$C_{10}H_{20}O_2$	Isoamyl isovalerate	~ 193.5	~203.5	~74		573
		"	192.7	Nonazeotrope			542
13385	$C_{10}H_{22}O$	Amyl ether	187.5	Nonazeotrope			556
13386	$C_{10}H_{22}O$	Isoamyl ether	173.35	Nonazeotrope			564
13387	$C_{11}H_{10}$	2-Methylnaphthalene	241.1	Nonazeotrope		v-l	527,730
13388	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	Nonazeotrope			575
13389	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	Nonazeotrope			575
13390	$C_{12}H_{12}$	1-Ethylnaphthalene	254.2	Nonazeotrope		v-l	730
13391	$C_{12}H_{18}$	1,3,5-Triethylbenzene	216	201.5	~96		563
13392	$C_{12}H_{20}O_2$	Bornyl acetate	227.7	Nonazeotrope			544
13393	$C_{13}H_{14}$	2-Isopropylnaphthalene	266.5	Nonazeotrope		v-l	730
13394	$C_{14}H_{30}O$	Tetradecanol	260.0	Nonazeotrope		v-l	730
13395	$C_{15}H_{18}$	2-Amylnaphthalene	292.3	Nonazeotrope		v-l	730
13396	$C_{16}H_{20}$	Diisopropylnaphthalene	305	Nonazeotrope		v-l	730
A =	**$C_7H_8O_2$**	**Guaiacol**	**205.05**				
13397	C_7H_9N	Methylaniline	196.25	Nonazeotrope			551
13398	C_7H_9N	*m*-Toluidine	203.1	Nonazeotrope			551
13399	C_7H_9N	*o*-Toluidine	200.35	Nonazeotrope			551
13400	C_7H_9N	*p*-Toluidine	200.55	Nonazeotrope			551
13401	$C_7H_{12}O_4$	Ethyl malonate	198.9	Nonazeotrope			563
13402	C_8H_8O	Acetophenone	202.0	205.25	67.5		552
13403	$C_8H_8O_2$	Benzyl formate	202.3	206.2	~90		574
13404	$C_8H_8O_2$	Methyl benzoate	199.45	Nonazeotrope			556
13405	$C_8H_8O_2$	Phenyl acetate	195.5	Nonazeotrope			563
13406	$C_8H_8O_3$	Methyl salicylate	222.95	Nonazeotrope			575
13407	$C_8H_{10}O$	Phenethyl alcohol	219.4	Nonazeotrope			535
13408	$C_8H_{10}O$	2,4-Xylenol	210.5	Nonazeotrope			575
13409	$C_8H_{10}O_2$	*m*-Dimethoxybenzene	214.7	Nonazeotrope			535
13410	$C_8H_{11}N$	Dimethylaniline	194.15	Nonazeotrope			551
13411	$C_8H_{11}N$	Ethylaniline	205.5	204.4	55		551
13412	$C_8H_{11}N$	2,4-Xylidine	214.0	Nonazeotrope			551
13413	$C_8H_{16}O_3$	Isoamyl lactate	202.4	Nonazeotrope			563
13414	$C_8H_{18}O$	Octyl alcohol	195.2	Nonazeotrope			575
13415	$C_8H_{18}S$	Butyl sulfide	185.0	Nonazeotrope			566
13416	$C_9H_{10}O$	Propiophenone	217.7	Nonazeotrope			575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_7H_8O_2$**	**Guaiacol *(continued)***	**205.05**			
13417	$C_9H_{10}O_2$	Benzyl acetate	215.0	Nonazeotrope		545
13418	$C_9H_{10}O_2$	**Ethyl benzoate**	**212.6**	Nonazeotrope		556
13419	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.35	Nonazeotrope		551
13420	$C_9H_{14}O$	Phorone	197.8	Nonazeotrope		575
13421	$C_{10}H_8$	Naphthalene	218.05	Nonazeotrope		535
13422	$C_{10}H_{12}O$	Estragole	215.6	Nonazeotrope		535
13423	$C_{10}H_{15}N$	Diethylaniline	217.05	Nonazeotrope		551
13424	$C_{10}H_{16}O$	**Camphor**	**209.1**	Nonazeotrope		552
13425	$C_{10}H_{16}O$	Fenchone	193.6	Nonazeotrope		575
13426	$C_{10}H_{18}O$	Borneol	211.8	Nonazeotrope		556
13427	$C_{10}H_{18}O$	Citronellal	207.8	204.55	86.5	556
13428	$C_{10}H_{18}O$	Geraniol	229.6	Nonazeotrope		575
13429	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		545
13430	$C_{10}H_{18}O$	α-Terpineol	217.8	Nonazeotrope		535
13431	$C_{10}H_{20}O$	Menthol	216.4	Nonazeotrope		535
13432	$C_{10}H_{20}O_2$	Ethyl caprylate	208.35	208.9	15	575
13433	$C_{10}H_{20}O_2$	Methyl pelargonate	213.8	Nonazeotrope		575
13434	$C_{10}H_{22}S$	**Isoamyl sulfide**	**214.8**	Nonazeotrope		566
13435	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		535
13436	$C_{13}H_{28}$	Tridecane	234.0	Nonazeotrope		575
A =	**$C_7H_8O_2$**	***m*-Methoxyphenol**	**243.8**			
13437	C_8H_7N	Indole	253.5	Nonazeotrope		575
13438	C_9H_7N	Quinoline	237.3	Nonazeotrope		575
13439	C_9H_8O	Cinnamaldehyde	253.7	Nonazeotrope		575
13440	$C_9H_{10}O_3$	Ethyl salicylate	233.8	Nonazeotrope		575
13441	$C_9H_{12}O$	3-Phenylpropanol	235.6	Nonazeotrope		575
13442	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		575
13443	$C_{10}H_{10}O_2$	Isosafrole	252.1	Nonazeotrope		535
13444	$C_{10}H_{10}O_2$	Safrole	235.9	Nonazeotrope		575
13445	$C_{10}H_{14}O$	Carvacrol	237.85	Nonazeotrope		575
13446	$C_{10}H_{14}O$	**Thymol**	**232.9**	Nonazeotrope		544
13447	$C_{10}H_{14}O_2$	***m*-Diethoxybenzene**	**235.0**	Nonazeotrope		535
13448	$C_{11}H_{10}$	1-Methylnaphthalene	245.1	243		535
13449	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	240.2	25	575
13450	$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethoxyben-- zene	255.2	Nonazeotrope		535
13451	$C_{11}H_{14}O_2$	Isobutyl benzoate	242.15	245.5	~60	535
13452	$C_{11}H_{17}N$	**Isoamylaniline**	**256.0**	Nonazeotrope		551
13453	$C_{12}H_{10}$	Biphenyl	256.1	Nonazeotrope		575
A =	**C_7H_8S**	**α-Toluenethiol**	**194.8**			
13454	$C_{10}H_{16}$	Terpinolene	185	Reacts		563
A =	**C_7H_9N**	**Benzylamine**	**185.0**			
13455	$C_8H_{10}O$	**Benzyl methyl ether**	**167.8**	Nonazeotrope		551
13456	$C_8H_{10}O$	***p*-Methylanisole**	**177.05**	Nonazeotrope		551
13457	$C_8H_{10}O$	**Phenetole**	**170.45**	Nonazeotrope		551
13458	$C_9H_{12}O$	**Benzyl ethyl ether**	**185.0**	< 181.5		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**C_7H_9N**	**Benzylamine** *(continued)*	**185.0**				
13459	$C_{10}H_{16}O$	Cineole	176.35	175.6	16.5		527
13460	$C_{10}H_{22}O$	Amyl ether	187.5	< 180.0	<67		551
13461	$C_{10}H_{22}O$	Isoamyl ether	173.2	170.4	23		551
13462	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	< 184.2			575
A =	**C_7H_9N**	**2,4-Lutidine**	**159.0**				
13462a	C_9H_{20}	Nonane	150	148.30	32.26		263c
13462b	$C_{11}H_{24}$	Undecane		Nonazeotrope		v-l	263c,263e
A =	**C_7N_9N**	**2,6-Lutidine**	**144**				
13463	C_8H_8	Styrene	145	Min. b.p.			243
13464	C_8H_{10}	Ethylbenzene	136	Min. b.p.			243
13465	C_8H_{10}	Xylenes	140	Min. b.p.			243
13466	C_8H_{18}	2,3,4-Trimethylpentane	113.4	Nonazeotrope			175
13467	$C_{10}H_{22}$	Decane	174.0	Nonazeotrope		v-l	1056
A =	**C_7H_9N**	**Methylaniline**	**196.25**				
13468	C_7H_9N	*o*-Toluidine	200.3	Nonazeotrope			549
13469	$C_7H_{16}O$	*n*-Heptyl alcohol	176.75	Nonazeotrope			551
13470	C_8H_8O	Acetophenone	202.25	Nonazeotrope			545
13471	$C_8H_{10}O$	*p*-Methylanisole	177.05	Nonazeotrope			551
13472	$C_8H_{10}O_2$	*o*-Ethoxyphenol	216.5	Nonazeotrope			551
13473	$C_8H_{11}N$	Dimethylaniline	194.15	Nonazeotrope			549
		" 20 mm.	85.4	Nonazeotrope			413
		" 95°-145°C.		Nonazeotrope		v-l	181
13474	$C_8H_{18}O$	*n*-Octyl alcohol	195.2	193.0	45		551
13475	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	Nonazeotrope			551
13476	C_9H_8	Indene	182.6	Nonazeotrope			551
13477	C_9H_{12}	Mesitylene	164.6	Nonazeotrope			551
13478	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope			551
13479	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope			551
13480	$C_{10}H_{16}$	Camphene	159.6	Nonazeotrope			551
13481	$C_{10}H_{16}$	Dipentene	177.7	< 177.2	< 11		551
13482	$C_{10}H_{16}$	*d*-Limonene	177.8	174.5	13		563
13483	$C_{10}H_{16}$	Nopinene	163.8	Nonazeotrope			551
13484	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope			551
13485	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope			551
13486	$C_{10}H_{16}$	Terpinolene	185	180	~32		563
13487	$C_{10}H_{18}O$	Borneol	215.0	Nonazeotrope			551
13488	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope			551
13489	$C_{10}H_{18}O$	Linalool	198.6	195.6	70		551
13490	$C_{10}H_{18}O$	Menthone	209.5	Nonazeotrope			575
13491	$C_{10}H_{18}O$	β-Terpineol	210.5	Nonazeotrope			551
13492	$C_{10}H_{20}O$	Menthol	216.3	Nonazeotrope			551
13493	$C_{10}H_{22}O$	Isoamyl ether	173.2	Nonazeotrope			551
13494	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope			551
13495	$C_{12}H_{22}O$	Ethyl isobornyl ether	203.8	Nonazeotrope			551

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**C_7H_9N**	***m*-Toluidine**	**203.1**			
13496	$C_8H_{10}O$	*p*-Ethylphenol	218.8	Nonazeotrope		551
13497	$C_8H_{10}O$	3,4-Xylenol	226.8	Nonazeotrope		551
13498	$C_8H_{10}O_2$	*o*-Ethoxyphenol	216.5	Nonazeotrope		551
13499	$C_8H_{11}N$	Ethylaniline	205.5	202.95	89	564
13500	$C_8H_{18}O$	*n*-Octyl alcohol	195.2	Nonazeotrope		551
13501	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	Nonazeotrope		551
13502	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		551
13503	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope		551
13504	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope		551
13505	$C_{10}H_{16}O$	Pulegone	223.8	Nonazeotrope		551
13506	$C_{10}H_{18}O$	Borneol	215.0	Nonazeotrope		551
13507	$C_{10}H_{18}O$	Menthone	209.5	Nonazeotrope		579
13508	$C_{10}H_{18}O$	α-Terpineol	218.85	Nonazeotrope		551
13509	$C_{10}H_{18}O$	β-Terpineol	210.5	Nonazeotrope		575
13510	$C_{10}H_{20}O$	Menthol	216.3	Nonazeotrope		551
13511	$C_{11}H_{16}O$	Methyl thymyl ether	216.5	Nonazeotrope		575
13512	$C_{11}H_{20}O$	Methyl *a*-terpineol ether	216.2	Nonazeotrope		551
13513	$C_{12}H_{22}O$	Ethyl isobornyl ether	203.8	< 201.0	<60	551
A =	**C_7H_9N**	***o*-Toluidine**	**200.7**			
13514	$C_7H_{12}O_4$	Ethyl malonate	198.9	Reacts		563
13515	$C_7H_{16}O$	*n*-Heptyl alcohol	176.15	Nonazeotrope		551
13516	C_8H_8O	Acetophenone	202.0	203.65	32	551
13517	$C_8H_{10}O$	Phenethyl alcohol	219.4	Nonazeotrope		551
13518	$C_8H_{10}O_2$	*m*-Dimethoxybenzene	214.7	Nonazeotrope		537
13519	$C_8H_{18}O$	*n*-Octyl alcohol	195.2	194.7	23	564
13520	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	Nonazeotrope		551
13521	C_9H_8	Indene	182.6	Nonazeotrope		551
13522	$C_9H_{10}O$	Propiophenone	217.7	Nonazeotrope		551
13523	$C_9H_{13}N$	*N*-Dimethyl-*o*-toluidine	185.3	Nonazeotrope		549
13524	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		551
13525	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope		551
13526	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		551
13527	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope		551
13528	$C_{10}H_{18}O$	Borneol	215.0	Nonazeotrope		551
13529	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope		575
13530	$C_{10}H_{18}O$	Linalool	198.6	198.3	30	551
13531	$C_{10}H_{18}O$	α-Terpineol	218.85	Nonazeotrope		575
13532	$C_{10}H_{18}O$	β-Terpineol	210.75	Nonazeotrope		551
13533	$C_{10}H_{20}O$	Menthol	216.3	Nonazeotrope		551
13534	$C_{10}H_{22}$	Decane	174.6	173.76	13.0	506
13535	$C_{11}H_{17}N$	Diethyl-*o*-toluidine, 20 mm.		98.8	48	474
13536	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	< 192.0		575
13537	$C_{11}H_{20}O$	Terpineol methyl ether	216.0	Nonazeotrope		537
13538	$C_{11}H_{24}$	Undecane	195.5	188.25	39.7	506
13539	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		551

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No.	B-Component Formula	Name		B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_7H_9N**	***o*-Toluidine *(continued)***		**200.7**				
13540	$C_{12}H_{22}O$	Ethyl isobornyl ether		203.8	< 198.5			575
13541	$C_{12}H_{26}$	Dodecane		216.5	195.75	63.0		506
13542	$C_{13}H_{28}$	Tridecane		234.6	199.45	85.5		506
A =	**C_7H_9N**	***p*-Toluidine**		**200.5**				
13543	C_8H_8O	Acetophenone		202.0	203.65	32		551
		"		202	~ 199			563
13544	$C_8H_{18}O$	*n*-Octyl alcohol		195.2	194.65	23		551
		" "		195.15	194.4	33		545
13545	$C_8H_{18}O$	*sec*-Octyl alcohol		180.4	Nonazeotrope			551
13546	C_9H_8	Indene		182.6	Nonazeotrope			551
13547	$C_9H_{10}O$	Propiophenone		217.7	Nonazeotrope			551
13548	$C_{10}H_8$	Naphthalene		218.0	Nonazeotrope			551
13549	$C_{10}H_{16}$	Terpinolene		184.6	< 183.5			551
13550	$C_{10}H_{16}O$	Camphor		209.1	Nonazeotrope			551
13551	$C_{10}H_{18}O$	Borneol		215.0	Nonazeotrope			551
13552	$C_{10}H_{18}O$	Menthone		~ 207	Nonazeotrope			563
13553	$C_{10}H_{20}O$	Menthol		216.3	Nonazeotrope			551
A =	**C_7H_9NO**	***o*-Anisidine**		**219.0**				
13554	C_8H_8O	Acetophenone		202.0	Nonazeotrope			575
13555	$C_8H_8O_3$	Methyl salicylate		222.95	Nonazeotrope			575
13556	$C_8H_{10}O$	3,4-Xylenol		226.8	Nonazeotrope			575
13557	$C_9H_{10}O$	*p*-Methylacetophenone		226.35	Nonazeotrope			575
13558	$C_9H_{10}O$	Propiophenone		217.7	219.7	~ 65		575
13559	$C_9H_{10}O_3$	Ethyl salicylate		233.8	Nonazeotrope			575
13560	$C_9H_{14}O$	Phorone		197.8	Nonazeotrope			575
13561	$C_{10}H_8$	Naphthalene		218.0	217.0	50		575
13562	$C_{10}H_{14}O$	Thymol		232.9	Nonazeotrope			575
13563	$C_{10}H_{20}O$	Menthol		216.3	< 216.0			551
13564	$C_{11}H_{10}$	2-Methylnaphthalene		241.15	Nonazeotrope			575
13565	$C_{11}H_{20}O$	Methyl-α-terpineol ether		216.2	215.2	35		575
13566	$C_{12}H_{18}$	1,3,5-Triethylbenzene		215.5	214.5	35		575
A =	**C_7H_{12}**	**Heptyne**		**99.5**				
13566a	C_7H_{14}	Heptene		93.6	Nonazeotrope		v-l	498f
13566b	C_7H_{16}	Heptane	400 mm.		76.2	44.8	v-l	498f
		"	600 mm.		89.3	42.3	v-l	498f
		"	760 mm.	98.4	96.8	39.9	v-l	498f
A =	**$C_7H_{12}O_4$**	**Ethyl Malonate**		**198.6**				
13567	C_8H_8O	Acetophenone		202.0	Nonazeotrope			552
13568	$C_8H_8O_2$	Benzyl formate		203.0	< 198.2			549
13569	$C_8H_8O_2$	Methyl benzoate		199.55	198.2	~ 54		528
		" "		199.4	198.7	56		527
13570	$C_8H_8O_2$	Phenyl acetate		195.7	Nonazeotrope			529
13571	$C_8H_{10}O_2$	*m*-Dimethoxybenzene		214.7	Nonazeotrope			537
13572	$C_8H_{14}O_4$	Propyl oxalate		214	Nonazeotrope			575
13573	$C_8H_{16}O$	2-Octanone		172.85	Nonazeotrope			552
13574	$C_8H_{16}O_3$	Isoamyl lactate		202.4	Nonazeotrope			575

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_7H_{12}O_4$**	**Ethyl Malonate**	**198.6**			
		(continued)				
13575	$C_8H_{18}O$	Octyl alcohol	195.15	Reacts		536
13576	$C_9H_{10}O_2$	Ethyl benzoate	212.5	Nonazeotrope		575
13577	C_9H_{12}	Mesitylene	164.6	Nonazeotrope		575
13578	C_9H_{12}	Propylbenzene	159.3	Nonazeotrope		575
13579	$C_9H_{12}O$	Benzyl ethyl ether	185.0	Nonazeotrope		557
13580	$C_9H_{14}O$	Phorone	197.8	< 197.65	<47	552
13581	$C_9H_{18}O_2$	Methyl caprylate	192.9	191.9	26	549
13582	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	Nonazeotrope		549
13583	$C_{10}H_8$	Naphthalene	218.1	Nonazeotrope		563
13584	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		575
13585	$C_{10}H_{16}$	Camphene	159.6	Nonazeotrope		537
13586	$C_{10}H_{16}$	Dipentene	177.7	Nonazeotrope		575
13587	$C_{10}H_{16}$	*d*-Limonene	177.8	177.5	10	537
13588	$C_{10}H_{16}$	Nopinene	163.8	Nonazeotrope		575
13589	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope		546
13590	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope		575
13591	$C_{10}H_{16}$	Terpinene	181.5	178.0	22	538
13592	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope		552
13593	$C_{10}H_{17}Cl$	Bornyl chloride	207.5	< 198.0	<82	575
13594	$C_{10}H_{18}O$	Linalool	199	~ 198	~ 60	563
13595	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	191.75	30	527
13596	$C_{11}H_{16}O$	Methyl thymol ether	216.5	Nonazeotrope		557
13597	$C_{11}H_{20}O$	Methyl α-terpineol ether	216.2	Nonazeotrope		557
13598	$C_{11}H_{24}O_2$	Diisoamyloxymethane	207.5	Azeotrope doubtful		563
		"		Nonazeotrope		557
13599	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		575
13600	$C_{12}H_{22}O$	Bornyl ethyl ether	204.9	< 196.0	<71	557
13601	$C_{12}H_{22}O$	Ethyl isobornyl ether	203.8	< 196.2	<70	557
A =	**$C_7H_{13}ClO_2$**	**Isoamyl Chloroacetate**	**190.5**			
13602	$C_7H_{14}O_3$	Isobutyl lactate	182.15	Nonazeotrope		575
13603	C_8H_8O	Acetophenone	202.0	Nonazeotrope		575
13604	$C_8H_8O_2$	Methyl benzoate	199.55	Nonazeotrope		563
13605	$C_8H_{16}O$	2-Octanone	172.85	Nonazeotrope		575
13606	$C_8H_{18}O$	Octyl alcohol	195.2	< 193.5	<62	575
13607	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	Nonazeotrope		575
13608	$C_{10}H_{16}$	*d*-Limonene	177.8	Nonazeotrope		563
13609	$C_{10}H_{18}O$	Linalool	198.6	< 194.2	<82	575
A =	**C_7H_{14}**	**3-Heptene**	**94.8**			
13610	C_7H_{16}	Heptane	98.4	Nonazeotrope		575
		"	98.4	Nonazeotrope	v-l	1016
A =	**C_7H_{14}**	**Methylcyclohexane**	**100.8**			
13611	C_7H_{16}	*n*-Heptane	98.4	Nonazeotrope	v-l	86,317,893
		"	98.45	98.3	10	381,572
13612	$C_8F_{16}O$	Perfluorocyclic oxide	102.5	85	40 vol. %	609
13613	C_8H_{18}	2,5-Dimethylhexane	109.4	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_7H_{14}**	**Methylcyclohexane** *(continued)*	**100.8**				
13614	C_8H_{18}	2,2,4-Trimethylpentane, 741 mm.	98.2	Nonazeotrope		v-l	365
13615	$C_8H_{18}O$	Isobutyl ether	122.3	Nonazeotrope			558
A =	**$C_7H_{14}O$**	**4-Heptanone**	**143.55**				
13616	$C_7H_{14}O_2$	Butyl propionate	146.8	Nonazeotrope			552
13617	$C_7H_{14}O_2$	Ethyl *n*-valerate	145.15	Nonazeotrope			552
13618	$C_7H_{14}O_2$	Isoamyl acetate	142.1	141.7	25		552
13619	$C_7H_{14}O_2$	Isobutyl propionate	137.5	Nonazeotrope			552
13620	$C_7H_{14}O_2$	Propyl butyrate	143.7	143.0	47		552
13621	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			552
13622	C_8H_{10}	*m*-Xylene	139.2	139.0	10		552
13623	C_8H_{10}	*o*-Xylene	144.3	142.4	42		552
13624	$C_8H_{19}N$	Diisobutylamine	138.5	< 137.0	<32		575
13625	C_9H_{12}	Cumene	152.8	Nonazeotrope			552
13626	C_9H_{12}	Propylbenzene	159.3	Nonazeotrope			552
13627	$C_{10}H_{16}$	Camphene	159.6	142.5	95		552
13628	$C_{10}H_{16}$	α-Pinene	155.8	142.0	80		543
A =	**$C_7H_{14}O$**	**2-Methylcyclohexanol**	**168.5**				
13629	$C_7H_{14}O_3$	Isobutyl lactate	182.15	Nonazeotrope			575
13630	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			575
13631	C_8H_{10}	*m*-Xylene	139.2	Nonazeotrope			575
13632	$C_8H_{10}O$	Benzyl methyl ether	167.8	165.0	46		575
13633	$C_8H_{10}O$	*p*-Methylanisole	177.05	167.5	71		576
13634	$C_8H_{10}O$	Phenetole	170.45	165.7	50		576
13635	$C_8H_{11}N$	Dimethylaniline	194.05	Nonazeotrope			551
13636	$C_8H_{14}O$	Methylheptenone	173.2	Nonazeotrope			552
13637	$C_8H_{16}O$	2-Octanone	172.85	Nonazeotrope			552
13638	$C_8H_{16}O_2$	Isoamyl propionate	160.7	Nonazeotrope			575
13639	$C_8H_{16}O_2$	Isobutyl butyrate	156.9	Nonazeotrope			575
13640	C_9H_{12}	Cumene	152.8	151.7	12		575
13641	C_9H_{12}	Mesitylene	164.6	160.5	34		567
13642	C_9H_{12}	Pseudocumene	168.2	< 164.0	<48		575
13643	$C_9H_{12}O$	Benzyl ethyl ether	185.0	Nonazeotrope			575
13644	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	Nonazeotrope			551
13645	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	167.5	40		552
13646	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	167.5	62		575
13647	$C_{10}H_{14}$	Butylbenzene	183.1	< 168.0	>70		575
13648	$C_{10}H_{14}$	Cymene	176.7	< 166.5	<68		575
13649	$C_{10}H_{16}$	Camphene	159.6	155.5	25		567
13650	$C_{10}H_{16}$	Dipentene	177.7	165.3	60		567
13651	$C_{10}H_{16}$	α-Pinene	155.8	152.8	20		567
13652	$C_{10}H_{16}$	α-Terpinene	173.4	163.7	52		567
13653	$C_{10}H_{18}O$	Cineole	176.35	167.2	70		576
13654	$C_{10}H_{22}$	2,7-Dimethyloctane	160.1	155.8	27		567
13655	$C_{10}H_{22}O$	Amyl ether	187.5	Nonazeotrope			575
13656	$C_{10}H_{22}O$	Isoamyl ether	173.4	166.2	60		545

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_7H_{14}O$**	**3-Methylcyclohexanol**	**172**			
13657	$C_8H_{10}O$	Phenetole, 770 mm.	170.5	167.2	46.5	512
		13 mm.		60	24	512
		2 mm.		28.8	18.7	512
A =	**$C_7H_{14}O$**	**5-Methyl-2-hexanone**	**144.2**			
13658	$C_7H_{14}O_2$	Butyl propionate	146.8	Nonazeotrope		552
13659	$C_7H_{14}O_2$	Isoamyl acetate	142.1	141.8	18	552
13660	$C_7H_{14}O_2$	Isobutyl propionate	137.5	Nonazeotrope		552
13661	$C_7H_{14}O_2$	Propyl butyrate	143.7	143.3	35	552
13662	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope		552
13663	C_8H_{10}	*o*-Xylene	144.3	143.0	42	552
13664	$C_8H_{16}O_2$	Isobutyl isobutyrate	148.6	Nonazeotrope		552
13665	$C_8H_{19}N$	Diisobutylamine	138.5	136.3	30	575
13666	C_9H_{12}	Cumene	152.8	Nonazeotrope		552
13667	$C_{10}H_{16}$	α-Pinene	155.8	142.0	75	552
A =	**$C_7H_{14}O_2$**	**Amyl Acetate**	**148.8**			
13668	$C_7H_{14}O_2$	Butyl propionate	146.8	Nonazeotrope		575
13669	$C_7H_{14}O_2$	Isoamyl acetate	142.1	Nonazeotrope		575
13670	$C_7H_{14}O_2$	Propyl butyrate	143.7	Nonazeotrope		575
13671	C_8H_{10}	*o*-Xylene	143.6	Nonazeotrope		546
13672	$C_8H_{16}O_2$	Isobutyl isobutyrate	148.6	< 148.5	>10	549
13673	$C_8H_{18}O$	Butyl ether	142.4	Nonazeotrope		557
13674	$C_{10}H_{16}$	α-Pinene	155.8	< 148.0	75	546
A =	**$C_7H_{14}O_2$**	**Butyl Propionate**	**146.8**			
13675	$C_7H_{14}O_2$	Isoamyl acetate	142.1	Nonazeotrope		575
13676	$C_7H_{14}O_2$	Propyl butyrate	143.7	Nonazeotrope		575
13677	C_8H_8	Styrene	146	145.5		546
13678	C_8H_{10}	*o*-Xylene	143.6	Nonazeotrope		546
13679	$C_8H_{18}O$	Butyl ether	142.4	Nonazeotrope		557
13680	C_9H_{12}	Cumene	152.8	Nonazeotrope		575
13681	$C_{10}H_{16}$	α-Pinene	155.8	< 145.8	>85	546
A =	**$C_7H_{14}O_2$**	**Enanthic Acid**	**222.0**			
13682	C_8H_8O	Acetophenone	202.0	Nonazeotrope		552
13683	$C_8H_{10}O$	3,4-Xylenol	226.8	Nonazeotrope		575
13684	$C_8H_{10}O_2$	*o*-Ethoxyphenol	216.5	< 215.2	>15	575
13685	$C_8H_{12}O_4$	Ethyl fumarate	217.85	216.4	22	562
13686	$C_8H_{12}O_4$	Ethyl maleate	223.3	220.0	50	562
13687	$C_8H_{14}O_4$	Ethyl succinate	217.25	216.0	20	562
13688	$C_8H_{14}O_4$	Propyl oxalate	214	< 213.8	> 7	575
13689	$C_8H_{16}O_4$	2-(2-Ethoxyethoxy)-ethyl acetate	218.5	224.5	58	562
13690	C_9H_8	Indene	182.6	Nonazeotrope		575
13691	$C_9H_{10}O$	*p*-Methylacetophenone	226.35	< 221.2	>70	552
13692	$C_9H_{10}O$	Propiophenone	217.7	216.5	20	552

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_7H_{14}O_2$**	**Enanthic Acid** *(continued)*	**222.0**			
13693	$C_9H_{10}O_2$	Benzyl acetate	215.0	Nonazeotrope		575
13694	$C_9H_{10}O_2$	Ethyl benzoate	212.5	Nonazeotrope		575
13695	$C_9H_{19}NO$	*N,N*-Dimethylheptan-amide		Max. b.p.		832
13696	$C_{10}H_7Cl$	1-Chloronaphthalene	262.7	Nonazeotrope		575
13697	$C_{10}H_8$	Naphthalene	218.0	214.2	30	562
13698	$C_{10}H_{10}O_2$	Safrole	235.9	< 221.7	>85	575
13699	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.75	Nonazeotrope		575
13700	$C_{10}H_{14}O$	Carvacrol	237.85	Nonazeotrope		575
13701	$C_{10}H_{14}O$	Carvone	231.0	Nonazeotrope		552
13702	$C_{11}H_{16}O$	Methyl thymol ether	216.5	215.0	25	575
13703	$C_{11}H_{20}O$	Methyl α-terpineol ether	216.2	< 215.3	<30	575
13704	$C_{12}H_{10}$	Biphenyl	256.1	Nonazeotrope		575
13705	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	211.0	27	562
13706	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope		575
13707	$C_{13}H_{28}$	Tridecane	234.0	< 219.2	>55	562
A =	**$C_7H_{14}O_2$**	**Ethyl Isovalerate**	**134.7**			
13708	$C_7H_{16}O_3$	Ethyl orthoformate	145.75	Nonazeotrope		557
13709	C_8H_8	Styrene	145.8	Nonazeotrope		575
13710	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope		531
13711	C_8H_{10}	*m*-Xylene	139.0	Nonazeotrope		527
13712	C_8H_{10}	*p*-Xylene	138.45	Nonazeotrope		575
13713	$C_8H_{18}O$	Butyl ether	142.4	Nonazeotrope		557
13714	$C_8H_{18}O$	Isobutyl ether	122.3	Nonazeotrope		557
A =	**$C_7H_{14}O_2$**	**Ethyl Valerate**	**145.45**			
13715	$C_7H_{14}O_2$	Isoamyl acetate	142.1	Nonazeotrope		575
13716	C_8H_8	Styrene	145.8	< 145.0	>48	575
13717	C_8H_{10}	*m*-Xylene	139.2	Nonazeotrope		527
13718	C_8H_{10}	*o*-Xylene	144.3	Nonazeotrope		575
13719	$C_8H_{18}O$	Butyl ether	142.4	Nonazeotrope		557
A =	**$C_7H_{14}O_2$**	**Isoamyl Acetate**	**142.1**			
13720	$C_7H_{14}O_2$	Isobutyl propionate	137.5	Nonazeotrope		575
13721	$C_7H_{14}O_2$	Propyl butyrate	142.8	Nonazeotrope		572
13722	$C_7H_{16}O_3$	Ethyl orthoformate	145.75	Nonazeotrope		557
13723	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope		572
13724	C_8H_{10}	*m*-Xylene	139.0	Nonazeotrope		527
		"	139.0	136	50	563
13725	C_8H_{10}	*o*-Xylene	143.6	Nonazeotrope		546
13726	C_8H_{10}	*p*-Xylene	138.3	Nonazeotrope		546
13727	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	Nonazeotrope		575
13728	$C_8H_{18}O$	Butyl ether	142.2	< 141.2	<55	557
13729	C_9H_{12}	Cumene	152.8	Nonazeotrope		575
13730	$C_{10}H_{16}$	Camphene	158	Nonazeotrope		546
13731	$C_{10}H_{16}$	Nopinene	163.8	Nonazeotrope		575
13732	$C_{10}H_{16}$	α-Pinene	155.8	142.05	97.5	537

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_7H_{14}O_2$**	**Isobutyl Propionate**	**136.9**			
13733	C_8H_8	Styrene, 60 mm.	68	Nonazeotrope		53
13734	C_8H_{10}	Ethylbenzene	136.15	135.8	~ 30	573
		" 60 mm.	60.5	60	13	53
13735	C_8H_{10}	*m*-Xylene	139.0	Nonazeotrope		575
		"	139.0	134.5		563
13736	C_8H_{10}	*o*-Xylene	143.6	Nonazeotrope		546
13737	C_8H_{10}	*p*-Xylene	138.3	136.8	85	546
13738	$C_8H_{18}O$	Butyl ether	142.4	Nonazeotrope		557
A =	**$C_7H_{14}O_2$**	**Isopropyl Isobutyrate**	**120.8**			
13739	C_7H_{16}	Heptane	98.4	Nonazeotrope		575
A =	**$C_7H_{14}O_2$**	**Methyl Caproate**	**149.6**			
13740	C_8H_{10}	*m*-Xylene	139.0	Nonazeotrope		563
13741	C_8H_{10}	*o*-Xylene	144.3	Nonazeotrope		575
13742	$C_8H_{16}O_2$	Isobutyl isobutyrate	149.75	Nonazeotrope		575
13743	$C_8H_{16}O_2$	Propyl isovalerate	155.7	Nonazeotrope		575
13744	C_9H_{12}	Cumene	152.8	Nonazeotrope		575
13745	$C_9H_{18}O_2$	Methyl caprylate 20-100 mm.		Nonazeotrope	v-l	825
A =	**$C_7H_{14}O_2$**	**Propyl Butyrate**	**143.7**			
13746	C_8H_8	Styrene	146	Nonazeotrope		546
		"	145.8	<143.5	<68	575
13747	C_8H_{10}	*m*-Xylene	139.0	Nonazeotrope		527
		"	139.0	138.7		563
13748	C_8H_{10}	*o*-Xylene	143.6	143.2	55	546
13749	$C_8H_{18}O$	Butyl ether	142.4	<142.0	<45	557
13750	C_9H_{12}	Cumene	152.8	Nonzaeotrope		575
13751	$C_{10}H_{16}$	α-Pinene	155.8	<143.4	<88	575
		"	155.8	Nonazeotrope		563
A =	**$C_7H_{14}O_2$**	**Propyl Isobutyrate**	**134.0**			
13752	$C_7H_{16}O_2$	Dipropoxymethane	137.2	Nonazeotrope		557
13753	C_8H_8	Styrene	146	Nonazeotrope		546
13754	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope		575
13755	C_8H_{10}	*m*-Xylene	139.0	Nonazeotrope		527
13756	C_8H_{10}	*p*-Xylene	138.2	Nonazeotrope		573
13757	$C_8H_{18}O$	Butyl ether	142.2	Nonazeotrope		557
13758	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope		546
A =	**$C_7H_{14}O_3$**	**1,3-Butanediol Methyl Ether Acetate**	**171.75**			
13759	$C_7H_{16}O$	Heptyl alcohol	176.15	Nonazeotrope		575
13760	$C_8H_{10}O$	*p*-Methylanisole	177.05	Nonazeotrope		575
13761	$C_8H_{10}O$	Phenetole	170.45	170.0	22	527
13762	$C_8H_{16}O$	2-Octanone	172.85	171.3	35	575
13763	$C_8H_{16}O_2$	Ethyl caproate	167.7	167.4	~ 10	575
13764	$C_8H_{16}O_2$	Hexyl acetate	171.5	170.7	49	562
13765	$C_8H_{16}O_2$	Isoamyl propionate	160.7	Nonazeotrope		527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_7H_{14}O_3$**	**1,3-Butanediol Methyl Ether Acetate** *(continued)*	**171.75**			
13766	$C_8H_{16}O_2$	Isobutyl butyrate	156.9	Nonazeotrope		575
13767	$C_8H_{18}O$	Octyl alcohol	195.2	Nonazeotrope		575
13768	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	Nonazeotrope		575
13769	C_9H_{12}	Mesitylene	164.6	Nonazeotrope		575
13770	C_9H_{12}	Propylbenzene	159.3	Nonazeotrope		575
13771	$C_9H_{12}O$	Benzyl ethyl ether	185.0	Nonazeotrope		575
13772	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	Nonazeotrope		575
13773	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	Nonazeotrope		527
13774	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	170.35	47	569
13775	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	Nonazeotrope		575
13776	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		575
13777	$C_{10}H_{16}$	Camphene	159.6	<159.45	> 5	575
13778	$C_{10}H_{16}$	Dipentene	177.7	169.6	78	562
13779	$C_{10}H_{16}$	Nopinene	163.8	162.0	20	562
13780	$C_{10}H_{16}$	α-Terpinene	173.4	168.9	65	562
13781	$C_{10}H_{18}O$	Cineole	176.35	170.9	64	527
13782	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope		527
13783	$C_{10}H_{22}O$	Amyl ether	187.5	Nonazeotrope		575
13784	$C_{10}H_{22}O$	Isoamyl ether	173.2	<170.0	>52	527
A =	**$C_7H_{14}O_3$**	**Isobutyl Lactate**	**182.15**			
13785	$C_8H_{10}O$	Benzyl methyl ether	167.8	Nonazeotrope		575
13786	$C_8H_{10}O$	Phenetole	171.5	Nonazeotrope		563
13787	$C_8H_{10}O$	2,4-Xylenol	210.5	Nonazeotrope		575
13788	$C_8H_{18}O$	Octyl alcohol	195.2	Nonazeotrope		575
13789	$C_8H_{18}O$	*sec*-Octyl alcohol	178.5	177.3		563
13790	$C_8H_{18}S$	Butyl sulfide	185.0	<181.3	<78	566
13791	C_9H_8	Indene	182.8	177	48	548
13792	C_9H_{12}	Mesitylene	164.6	Nonazeotrope		575
13793	$C_9H_{12}O$	Benzyl ethyl ether	185.0	181.0	75?	575
13794	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	<178.5	>28	527
13795	$C_{10}H_{14}$	Cymene	175.3	171.5	~ 35	563
13796	$C_{10}H_{16}$	Camphene	159.6	Nonazeotrope		538
13797	$C_{10}H_{16}$	*d*-Limonene	177.8	172.5	40	563
13798	$C_{10}H_{16}$	Nopinene	163.8	Nonazeotrope		575
13799	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope		575
13800	$C_{10}H_{16}$	Terpinene	180.5	172.5	~ 46	563
13801	$C_{10}H_{16}$	Terpinolene	185	175	55	563
13802	$C_{10}H_{18}O$	Cineole	176.35	174.0	32	556
13803	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		575
13804	$C_{10}H_{22}O$	Isoamyl ether	173.2	<172.0	>13	575
A =	**C_7H_{16}**	**2,4-Dimethylpentane,**				
13805	C_7H_{16}	2,2,3-Trimethylbutane, 505 mm.	67.58	67.71	~ 50	122
		"		Nonazeotropic below 55° C.		122
		"		Nonazeotropic above 75° C.		122

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_7H_{16}**	**Heptane**	**98**				
13806	$C_8F_{18}O$	Perfluorobutyl ether	100	Min. b.p.			159
13807	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			163
		" 100-760 mm.		Nonazeotrope		v-l	675
13808	C_8H_{10}	*p*-Xylene 90°C		Nonazeotrope		v-l	1022
13809	C_8H_{18}	2,2,4-Trimethylpentane	99.3	Nonazeotrope			163
A =	**$C_7H_{16}O$**	**2-Heptanol, 10 mm.**	**65.4**				
13810	C_8H_9Cl	*o,m,p*-Chloroethylbenzene, 10 mm.	67.5	61.4	43		51
A =	**$C_7H_{16}O$**	**Heptyl Alcohol**	**176.15**				
13811	C_8H_{10}	*m*-Xylene	139.2	Nonazeotrope			575
13812	$C_8H_{10}O$	Benzyl methyl ether	167.8	167.0	20		575
13813	$C_8H_{10}O$	*p*-Methylanisole	177.05	173.3	52		567
13814	$C_8H_{10}O$	Phenetole	170.45	169.0	28		545
13815	$C_8H_{11}N$	Dimethylaniline	194.05	Nonazeotrope			551
13816	$C_8H_{14}O$	Methylheptenone	173.2	Nonazeotrope			552
13817	$C_8H_{16}O_2$	Ethyl caproate	167.7	Nonazeotrope			575
13818	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	Nonazeotrope			575
13819	C_9H_{12}	Cumene	152.8	Nonazeotrope			575
13820	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	175.5	82		551
13821	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	<171.0	> 8		575
13822	$C_{10}H_{14}$	Cymene	176.0	172.5	47		567
13823	$C_{10}H_{15}N$	Diethylaniline	217.05	Nonazeotrope			551
13824	$C_{10}H_{16}$	Camphene	159.6	<159.3	>10		575
13825	$C_{10}H_{16}$	Dipentene	177.7	171.7	50		567
13826	$C_{10}H_{16}$	Nopinene	163.8	<162.6	>15		575
13827	$C_{10}H_{16}$	α-Terpinene	173.4	169.7	40		567
13828	$C_{10}H_{18}O$	Cineole	176.35	173.0	48		556
13829	$C_{10}H_{22}O$	Isoamyl ether	173.35	170.35	37		564
A =	**$C_7H_{16}O_3$**	**Dipropylene Glycol Methyl Ether**					
13830	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope			270
A =	**$C_7H_{16}O_3$**	**Ethyl Orthoformate**	**145.75**				
13831	C_8H_8	Styrene	145.8	<145.0	<45		558
13832	C_8H_{10}	*m*-Xylene	139.2	Nonazeotrope			527
13833	$C_8H_{16}O_2$	Propyl isovalerate	155.7	Nonazeotrope			557
13834	C_9H_{12}	Cumene	152.8	Nonazeotrope			558
13835	C_9H_{12}	Propylbenzene	159.3	Nonazeotrope			558
13836	$C_{10}H_{16}$	Camphene	159.6	Nonazeotrope			558
13837	$C_{10}H_{16}$	Nopinene	163.8	Nonazeotrope			558
A =	**$C_7H_{16}O_4$**	**2-[2-(2-Methoxyethoxy)-ethoxy] Ethanol**	**245.25**				
13838	$C_8H_8O_2$	Methyl benzoate	199.4	Nonazeotrope			575
13839	$C_8H_8O_3$	Methyl salicylate	222.95	222.0	8		575
13840	$C_8H_{10}O_2$	2-Phenoxyethanol	245.2	<244.0	>55		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_7H_{16}O_4$**	**2-[2-(2-Methoxyethoxy)-ethoxy] Ethanol** *(continued)*	**245.25**			
13841	$C_8H_{12}O_4$	Ethyl fumarate	217.85	Nonazeotrope		575
13842	$C_8H_{12}O_4$	Ethyl maleate	223.3	Nonazeotrope		575
13843	C_9H_7N	Quinoline	237.3	235.55	22	553
13844	$C_9H_{10}O_2$	Benzyl acetate	215.0	Nonazeotrope		575
13845	$C_9H_{10}O_2$	Ethyl benzoate	212.5	Nonazeotrope		575
13846	$C_9H_{10}O_3$	Ethyl salicylate	233.8	227.7	28	556
13847	$C_9H_{12}O_2$	2-Benzyloxyethanol	265.2	Nonazeotrope		575
13848	$C_{10}H_7Br$	1-Bromonaphthalene	281.2	Nonazeotrope		575
13849	$C_{10}H_7Cl$	1-Chloronaphthalene	262.7	Nonazeotrope		575
13850	$C_{10}H_8$	Naphthlene	218.0	214.8	20	556
13851	$C_{10}H_8O$	1-Naphthol	288.5	Nonazeotrope		556
13852	$C_{10}H_9N$	Quinaldine	246.5	<243.0		575
13853	$C_{10}H_{10}O_2$	Isosafrole	252.0	241.5	65	567
13854	$C_{10}H_{10}O_2$	Methyl cinnamate	261.9	242.3	70	567
13855	$C_{10}H_{10}O_2$	Safrole	235.9	233.5	31	567
13856	$C_{10}H_{10}O_4$	Methyl phthalate	283.2	Nonazeotrope		575
13857	$C_{10}H_{12}O$	Anethole	235.7	233.0	30	567
13858	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	226.0	32	567
13859	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	232.0	46	567
13860	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	229.4	44	556
13861	$C_{11}H_{14}O_2$	Butyl benzoate	249.0	235.0	52	567
13862	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	231.2	40	567
13863	$C_{11}H_{16}O$	Methyl thymyl ether	216.5	Nonazeotrope		575
13864	$C_{11}H_{20}O$	Methyl α-terpineol ether	216.2	Nonazeotrope		575
13865	$C_{12}H_{10}$	Acenaphthene	277.9	242.5	71	556
13866	$C_{12}H_{10}$	Biphenyl	256.1	236.0	50	567
13867	$C_{12}H_{10}O$	Phenyl ether	259.0	243.0	80	567
13868	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.0	239.4	60	556
13869	$C_{12}H_{16}O_3$	Isoamyl salicylate	277.5	Nonazeotrope		575
13870	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	212.0	18	567
13871	$C_{13}H_{12}$	Diphenylmethane	265.4	239.0	56	567
13872	$C_{14}H_{14}$	1,2-Diphenylethane	284.5	243.8	80	575
A =	**$C_8F_{16}O$**	**Perfluorocyclic Oxide**	**102.5**			
13873	C_8H_{16}	Ethylcyclohexane	131.78	96.3	80 vol. %	609
13874	C_8H_{18}	2,2,4-Trimethylpentane	99.24	87.5	60 vol. %	609
13875	C_9H_{20}	2,3,4-Trimethylhexane	131.34	98.4	80 vol. %	609
A =	**$C_8H_5Cl_3$**	***ar*-Trichlorostyrene**				
13876	$C_9H_{20}O_3$	2-(2-Isoamyloxyethoxy) ethanol, 6.7 mm.		101		155
A =	**C_8H_7N**	**Indole**	**253.5**			
13877	C_8H_9BrO	*p*-Bromophenetole	234.2	Nonazeotrope		575
13878	$C_9H_{10}O$	Cinnamyl alcohol	257.0	Nonazeotrope		575
13879	$C_{10}H_{10}O_2$	Safrole	235.9	Nonazeotrope		575
13880	$C_{10}H_{12}O_2$	Eugenol	254.8	<251.8	>35	575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**C_8H_7N**	**Indole *(continued)***	**253.5**				
13881	$C_{10}H_{12}O_2$	Isoeugenol	268.8	Nonazeotrope			575
13882	$C_{10}H_{14}O$	Carvacrol	237.85	254.5	88		575
13883	$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethoxy-benzene	254.7	<251.8	>55		575
13884	$C_{11}H_{14}O_2$	1,2-Dimethyl-4-propenyl-benzene	270.5	Nonazeotrope			575
13885	$C_{11}H_{16}O$	*p-tert*-Amylphenol	266.5	268.0	12		575
13886	$C_{12}H_{10}O$	Phenyl ether	259.0	Nonaozeotrope			575
A =	**C_8H_7N**	**α-Toluonitrile**	**232**				
13887	$C_{10}H_{18}O$	Geraniol	229.5	~ 226			563
A =	**C_8H_8**	**Styrene**	**145.8**				
13888	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			561
		" 10-100 mm.		Nonazeotrope		v-l	143,294
		" 30°-120°C.		Nonazeotrope		v-l	432
13889	C_8H_{10}	Xylene, 20 mm.	50	Nonazeotrope			981
13890	C_8H_{10}	*m*-Xylene	139.2	Nonazeotrope			561
13891	C_8H_{10}	*o*-Xylene	142.6	Nonazeotrope			563
13892	$C_8H_{16}O_2$	Isobutyl isobutyrate	148.6	<145.5	>60		575
13893	$C_8H_{16}O_2$	Propyl isovalerate	155.7	Nonazeotrope			575
13894	C_9H_{20}	Nonane	149.5	144.0	75		561
A =	**C_8H_8O**	**Acetophenone**	**202.0**				
13895	$C_8H_8O_2$	Benzyl formate	203.0	Nonazeotrope			552
13896	$C_8H_8O_2$	Methyl benzoate	199.4	Nonazeotrope			552
13897	$C_8H_8O_2$	Phenyl acetate	195.7	Nonazeotrope			552
13898	$C_8H_{10}O$	*p*-Ethylphenol	218.8	219.5	15		552
13899	$C_8H_{10}O$	2,4-Xylenol	210.5	213.0	30		575
13900	$C_8H_{10}O$	3,4-Xylenol	226.8	Nonazeotrope			552
13901	$C_8H_{10}O_2$	*o*-Ethoxyphenol	216.5	Nonazeotrope			552
13902	$C_8H_{10}O_2$	Veratrol	205.5	Nonazeotrope			574
13903	$C_8H_{11}N$	Dimethylaniline	194.15	Nonazeotrope			551
13904	$C_8H_{11}N$	Ethylaniline	205.5	Nonazeotrope			551
13905	$C_8H_{11}N$	2,4-Xylidine	214.0	Nonazeotrope			551
13906	$C_8H_{14}O_4$	Propyl oxalate	214.2	Nonazeotrope			552
13907	$C_8H_{16}O_3$	Isoamyl lactate	202.4	<201.7	48		552
13908	$C_8H_{16}O_4$	2-(2-Ethoxyethoxy)-ethyl acetate	218.5	Nonazeotrope			575
13909	$C_8H_{18}O$	Octyl alcohol	195.2	194.95	12.5		552
13910	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	Nonazeotrope			552
13911	$C_9H_{10}O_2$	Benzyl acetate	215.0	Nonazeotrope			552
13912	$C_9H_{10}O_2$	Ethyl benzoate	212.5	Nonazeotrope			552
13913	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	Nonazeotrope			551
13914	$C_9H_{13}N$	*N,N*-Dimethyl-*p*-toluidine	210.2	Nonazeotrope			575
13915	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope			552
13916	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope			552

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**C_8H_8O**	**Acetophenone** *(continued)*	**202.0**			
13917	$C_{10}H_{15}N$	Diethylaniline	217.05	Nonazeotrope		551
13918	$C_{10}H_{18}O$	Borneol	215.0	Nonazeotrope		552
13919	$C_{10}H_{18}O$	Citronellal	208.0	Nonazeotrope		552
13920	$C_{10}H_{18}O$	Linalool	198.6	198.0	14	552
13921	$C_{10}H_{18}O$	β-Terpineol	210.5	Nonazeotrope		552
13922	$C_{10}H_{20}O$	Menthol	216.3	Nonazeotrope		552
13923	$C_{10}H_{20}O_2$	Methyl pelargonate	213.8	Nonazeotrope		552
13924	$C_{10}H_{22}S$	Isoamyl sulfide	214.8	Nonazeotrope		566
13925	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	Nonazeotrope		575
13926	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		552
13927	$C_{12}H_{22}O$	Bornyl ethyl ether	204.9	Nonazeotrope		575
A =	**$C_8H_8O_2$**	**Anisaldehyde**	**249.5**			
13928	C_8H_9BrO	*p*-Bromophenetole	234.2	Nonazeotrope		575
13929	$C_9H_{10}O$	Cinnamyl alcohol	257.0	<248.0		575
13930	$C_{10}H_7Cl$	1-Chloronaphthalene	262.7	Nonazeotrope		575
13931	$C_{10}H_{10}O_2$	Isosafrole	252.0	248.6	60	556
13932	$C_{10}H_{10}O_2$	Methyl cinnamate	261.9	Nonazeotrope		548
13933	$C_{10}H_{10}O_2$	Safrole	235.9	Nonazeotrope		556
13934	$C_{10}H_{14}O$	Carvacrol	237.85	Nonazeotrope		575
13935	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		575
13936	$C_{10}H_{20}O$	Citronellol	224.5	Nonazeotrope		575
13937	$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethoxybenzene	255.0	Nonazeotrope		556
13938	$C_{11}H_{14}O_2$	Butyl benzoate	249.5	<248.8	~ 50	548
13939	$C_{11}H_{14}O_2$	1,2-Dimethoxy-4-propenylbenzene	270.5	Nonazeotrope		575
13940	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	Nonazeotrope		538
13941	$C_{12}H_{10}O$	Phenyl ether	259.3	Nonazeotrope		556
13942	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.0	Nonazeotrope		548
A =	**$C_8H_8O_2$**	**Benzyl Formate**	**203.0**			
13943	$C_8H_8O_2$	Methyl benzoate	199.4	Nonazeotrope		549
13944	$C_8H_8O_2$	Phenyl acetate	195.7	Nonazeotrope		575
13945	$C_8H_{10}O$	3,4-Xylenol	226.8	Nonazeotrope		575
13946	$C_8H_{10}O_2$	*m*-Dimethoxybenzene	214.7	Nonazeotrope		537
13947	$C_8H_{18}O$	Octyl alcohol	195.2	Nonazeotrope		575
		"	195.15	195.0	3	536
13948	$C_{10}H_8$	Naphthalene	218.05	Nonazeotrope		537
13949	$C_{10}H_{16}$	*d*-Limonene	177.9	Nonazeotrope		546
13950	$C_{10}H_{16}$	γ-Terpinene	179.7	Nonazeotrope		546
13951	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope		548
13952	$C_{10}H_{18}O$	Borneol	213.4	Nonazeotrope		535
13953	$C_{10}H_{18}O$	Citronellal	208.0	Nonazeotrope		575
13954	$C_{10}H_{18}O$	Linalool	198.6	197.5		535
13955	$C_{10}H_{18}O$	α-Terpineol	217.8	Nonazeotrope		536
13956	$C_{10}H_{20}O$	Menthol	216.4	Nonazeotrope		535
13957	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_8H_8O_2$**	**Benzyl Formate** *(continued)*	**203.0**			
13958	$C_{11}H_{16}O$	Methyl thymol ether	216.5	Nonazeotrope		557
13959	$C_{12}H_{18}$	1,3,5-Triethylbenzene	216	Nonazeotrope		546
A =	**$C_8H_8O_2$**	**Methyl Benzoate**	**199.4**			
13960	$C_8H_{10}O$	2,4-Xylenol	210.5	Nonazeotrope		575
13961	$C_8H_{10}O_2$	Veratrol	205.5	Nonazeotrope		557
13962	$C_8H_{14}O_4$	Propyl oxalate	214	Nonazeotrope		575
13963	$C_8H_{16}O_3$	Isoamyl lactate	202.4	<198.8		575
		" "	202.4	Nonazeotrope		563
13964	$C_8H_{16}O_4$	2-(2-Ethoxyethoxy)-ethyl acetate	218.5	Nonazeotrope		575
13965	$C_8H_{18}O$	*n*-Octyl alcohol	195.2	194.4	35	570
13966	C_9H_8	Indene	182.6	Nonazeotrope		575
13967	$C_9H_{10}O_2$	Ethyl benzoate	212.5	Nonazeotrope		575
13968	$C_9H_{12}O$	Benzyl ethyl ether	185.0	Nonazeotrope		557
13969	$C_9H_{14}O$	Phorone	197.8	Nonazeotrope		552
13970	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	Nonazeotrope		575
13971	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		575
13972	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		575
13973	$C_{10}H_{16}$	*d*-Limonene	177.8	Nonazeotrope		530
13974	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope		575
13975	$C_{10}H_{16}$	γ-Terpinene	179.7	Nonazeotrope		546
13976	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope		552
13977	$C_{10}H_{17}Cl$	Bornyl chloride	207.5	Nonazeotrope		575
13978	$C_{10}H_{18}O$	Borneol	213.4	Nonazeotrope		536
13979	$C_{10}H_{18}O$	Citronellal	~ 207.8	Nonazeotrope		529
13980	$C_{10}H_{18}O$	Linalool	198.7	197.8	~ 42	528
13981	$C_{10}H_{18}O$	β-Terpineol	210.5	Nonazeotrope		575
13982	$C_{10}H_{20}O$	Menthol	216.3	Nonazeotrope		575
13983	$C_{10}H_{20}O_2$	Ethyl caprylate	208.35	Nonazeotrope		575
13984	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope		549
13985	$C_{11}H_{16}O$	Methyl thymol ether	216.5	Nonazeotrope		557
13986	$C_{11}H_{24}O_2$	Diisoamyloxymethane	210.8	Nonazeotrope		557
13987	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		575
A =	**C_8H_8O**	**Phenyl Acetate**	**195.7**			
13988	$C_8H_{10}O$	2,4-Xylenol	210.5	Nonazeotrope		575
13989	$C_8H_{10}O_2$	Veratrole	205.5	Nonazeotrope		557
13990	$C_8H_{18}O$	*n*-Octyl alcohol	195.15	192.4	53	572
13991	C_9H_8	Indene	182.6	Nonazeotrope		575
13992	C_9H_{12}	Pseudocumene	168.2	Nonazeotrope		575
13993	$C_9H_{12}O$	Benzyl ethyl ether	185.0	Nonazeotrope		557
13994	$C_9H_{14}O$	Phorone	198.2	Nonazeotrope		573
		"	197.8	<195.6	<90	552
13995	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	Nonazeotrope		575
13996	$C_{10}H_8$	Naphthalene	218.05	Nonazeotrope		537
13997	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		537
13998	$C_{10}H_{16}$	Camphene	158	Nonazeotrope		546

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**C_8H_8O**	**Phenyl Acetate** *(continued)*	**195.7**			
13999	$C_{10}H_{16}$	*d*-Limonene	177.8	177.5	7	538
14000	$C_{10}H_{16}$	Nopinene	163.8	Nonazeotrope		575
14001	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope		575
14002	$C_{10}H_{16}$	γ-Terpinene	181.5	180.3	15	538
14003	$C_{10}H_{16}$	Thymene	179.7	179.3	18	530
14004	$C_{10}H_{18}O$	Borneol	213.2	Nonazeotrope		530
14005	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope		557
14006	$C_{10}H_{18}O$	Citronellal	208.0	Nonazeotrope		575
14007	$C_{10}H_{18}O$	Linalool	198.6	193.5	61	529
14008	$C_{10}H_{18}O$	β-Terpineol	210.5	Nonazeotrope		575
14009	$C_{10}H_{20}O_2$	Ethyl caprylate	208.35	Nonazeotrope		575
14010	$C_{10}H_{22}O$	Isoamyl ether	173.2	Nonazeotrope		557
14011	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	Nonazeotrope		557
14012	$C_{11}H_{24}O_2$	Diisoamyloxymethane	210.8	Nonazeotrope		557
14013	$C_{12}H_{18}$	1,3,5-Triethylbenzene	216	Nonazeotrope		536
14014	$C_{12}H_{22}O$	Bornyl ethyl ether	204.9	Nonazeotrope		557
14015	$C_{12}H_{22}O$	Ethyl isobornyl ether	203.8	Nonazeotrope		557
A =	**$C_8H_8O_2$**	**α-Toluic Acid**	**266.5**			
14016	C_9H_8O	Cinnamaldehyde	253.5	Nonazeotrope		541
14017	$C_{10}H_7Br$	1-Bromonaphthalene	281.8	264.0	53.5	541
14018	$C_{10}H_7Cl$	1-Chloronaphthalene	262.7	255.9	30	541
14019	$C_{10}H_8$	Naphthalene	218.05	Nonazeotrope		541
14020	$C_{10}H_8O$	1-Naphthol	288.5	Nonazeotrope		541
14021	$C_{10}H_{10}O_2$	Isosafrole	252.0	251.5	11	541
14022	$C_{10}H_{10}O_2$	Methyl cinnamate	261.9	261.8	3	541
14023	$C_{10}H_{10}O_4$	Methyl phthalate	283.7	Nonazeotrope		541
14024	$C_{10}H_{12}O$	Anethole	235.7	Nonazeotrope		556
14025	$C_{10}H_{12}O_2$	Eugenol	254.8	Nonazeotrope		575
14026	$C_{10}H_{12}O_2$	Isoeugenol	268.8	<266.2	>58	575
14027	$C_{10}H_{18}O_4$	Propyl succinate	250.5	Nonazeotrope		575
14028	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	243.2	~ 12	541
14029	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	239.95	12	527
14030	$C_{11}H_{12}O_2$	Ethyl cinnamate	271.5	Nonazeotrope		541
14031	$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethoxybenzene	255.0	Nonazeotrope		541
14032	$C_{11}H_{14}O_2$	Butyl benzoate	249.8	Nonazeotrope		541
14033	$C_{11}H_{14}O_2$	1,2-Dimethoxy-4-propenylbenzene	270.5	265.4	60	541
14034	$C_{11}H_{14}O_2$	Ethyl β-phenylpropionate	248.1	Nonazeotrope		575
14035	$C_{12}H_{10}$	Acenaphthene	277.9	262.2	71	541
14036	$C_{12}H_{10}$	Biphenyl	255.9	252.15	23.3	541
14037	$C_{12}H_{10}O$	Phenyl ether	259.3	255.05	27.8	556
14038	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.0	259.85	26	541
14039	$C_{12}H_{18}$	1,3,5-Triethyl benzene	215.5	Nonazeotrope		575
14040	$C_{12}H_{22}O_4$	Isoamyl oxalate	268.0	262.35	50	541
14041	$C_{13}H_{10}$	Fluorene	295	265.8	90	575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_8H_8O_2$**	**α-Toluic Acid *(continued)***	**266.5**			
14042	$C_{13}H_{12}$	Diphenylmethane	265.4	258.7	35	541
14043	$C_{13}H_{12}O$	Benzyl phenyl ether	286.5	<266.0	>90	575
14044	$C_{14}H_{12}$	Stilbene	306.5	Nonazeotrope		575
14045	$C_{14}H_{14}$	1,2-Diphenylethane	284.5	264.3	~ 90	541
A =	**$C_8H_8O_3$**	**Methyl Salicylate**	**222.95**			
14046	$C_8H_{10}O$	*p*-Ethylphenol	218.8	Nonazeotrope		575
14047	$C_8H_{10}O$	Phenethyl alcohol	219.4	218.0	43	529
14048	$C_8H_{10}O$	3,4-Xylenol	226.8	Nonazeotrope		564
14049	$C_8H_{10}O_2$	*m*-Dimethoxybenzene	214.7	Nonazeotrope		575
14050	$C_8H_{10}O_2$	*o*-Ethoxyphenol	216.5	Nonazeotrope		575
14051	$C_8H_{10}O_2$	2-Phenoxyethanol	245.2	Nonazeotrope		575
14052	$C_8H_{11}NO$	*o*-Phenetidine	232.5	Nonazeotrope		552
14053	$C_8H_{12}O_4$	Ethyl fumarate	217.85	Nonazeotrope		575
14054	$C_8H_{12}O_4$	Ethyl maleate	223.3	221.95	60	569
14055	$C_8H_{18}O_3$	2-(2-Butoxyethoxy)-ethanol	231.2	220.7	78	575
14056	C_9H_7N	Quinoline	237.3	Nonazeotrope		553
14057	$C_9H_{10}O$	*p*-Methylacetophenone	226.35	Nonazeotrope		552
14058	$C_9H_{10}O$	Propiophenone	217.7	Nonazeotrope		552
14059	$C_9H_{10}O_2$	Benzyl acetate	215.0	Nonazeotrope		545
14060	$C_9H_{10}O_2$	Ethyl benzoate	212.6	Nonazeotrope		545
14061	$C_9H_{10}O_2$	Methyl α-toluate	215.3	Nonazeotrope		575
14062	$C_9H_{12}O$	3-Phenylpropanol	235.6	Nonazeotrope		545
14063	$C_{10}H_8$	Naphthalene	218.05	Nonazeotrope		528
14064	$C_{10}H_{10}O_2$	Safrole	234.5	Nonazeotrope		556
14065	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.75	Nonazeotrope		529
14066	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	Nonazeotrope		548
14067	$C_{10}H_{14}O$	Carvone	231.0	Nonazeotrope		552
14068	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		536
14069	$C_{10}H_{14}O_2$	*m*-Diethoxybenzene	235.4	Nonazeotrope		575
14070	$C_{10}H_{16}O$	Pulegone	223.8	Nonazeotrope		552
14071	$C_{10}H_{18}O$	Borneol	213.4	Nonazeotrope		536
14072	$C_{10}H_{18}O$	Geraniol	229.7	222.2	97	536
14073	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		575
14074	$C_{10}H_{18}O$	α-Terpineol	217.8	216.0	~ 37	528
14075	$C_{10}H_{20}O$	Citronellol	224.5	220.5		536
14076	$C_{10}H_{20}O$	Menthol	216.4	216.25	15	529
14077	$C_{10}H_{20}O_2$	Ethyl caprylate	208.35	Nonazeotrope		575
14078	$C_{10}H_{22}O$	Decyl alcohol	232.9	Nonazeotrope		536
14079	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	Nonazeotrope		575
14080	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		270,575
14081	$C_{11}H_{20}O$	Methyl α-terpineol ether	216.2	Nonazeotrope		575
14082	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	Nonazeotrope		548
14083	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		538
14084	$C_{12}H_{20}O_2$	Bornyl acetate	227.7	222.3	10?	530

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_8H_8O_3$**	**Methyl Salicylate**	**222.95**				
		(continued)					
14085	$C_{13}H_{28}$	Tridecane	234.0	Nonazeotrope			575
A =	**C_8H_9BrO**	***p*-Bromophenetole**	**234.2**				
14086	$C_8H_{10}O$	3,4-Xylenol	226.8	226.0	12		575
14087	C_9H_7N	Isoquinoline	240.8	Nonazeotrope			575
14088	C_9H_8O	Cinnamaldehyde	253.7	Nonazeotrope			575
14089	$C_9H_{10}O$	*p*-Methylacetophenone	226.25	Nonazeotrope			575
14090	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope			575
14091	$C_{10}H_{10}O_2$	Safrole	235.9	233.5	78		575
14092	$C_{10}H_{12}O$	Anethole	235.7	233.0	70		562
14093	$C_{10}H_{14}N_2$	Nicotine	247.5	Nonazeotrope			575
14094	$C_{10}H_{14}O$	Carvone	231.0	Nonazeotrope			575
14095	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope			575
A =	**C_8H_9N**	**2-Methyl-5-Vinylpridine**					
14096	$C_8H_{11}N$	2-Methyl-5-ethylpyridine 20 mm.		Nonazeotrope		v-l	298
A	**C_8H_{10}**	**Ethylbenzene**	**136.15**				
14097	C_8H_{10}	*m*-Xylene	139.2	Nonazeotrope			561
14098	C_8H_{10}	*p*-Xylene	138.2	Nonazeotrope			563
14099	C_8H_{16}	Ethylcyclohexane	131.8	131.2	15		578
		" 400 mm.		Nonazeotrope		v-l	771
14100	C_8H_{16}	1-Octene	121.6	Nonazeotrope		v-l	1009
14101	C_8H_{18}	Octane	125.75	Nonazeotrope			163
		"	125.75	<125.6	<12		561
14102	$C_8H_{18}O$	Butyl ether	142.2	Nonazeotrope			563
14103	$C_8H_{18}O$	Isobutyl ether	122.3	Nonazeotrope			558
14104	$C_8H_{19}N$	Diisobutylamine	138.5	<135.5	<62		575
14105	C_9H_{12}	Cumene	152.4	Nonazeotrope			981
14106	C_9H_{20}	Nonane	150.7	Nonazeotrope			1061
14107	C_9H_{20}	2,2,5-Trimethylhexane	120.1	Nonazeotrope		v-l	1009
A =	**C_8H_{10}**	***m*-Xylene**	**139.2**				
14108	C_8H_{10}	*o*-Xylene	144.3	Nonazeotrope			575
14109	C_8H_{10}	*p*-Xylene	138.2	Nonazeotrope			563
14110	$C_8H_{16}O_2$	Isobutyl isobutyrate	147.3	Nonazeotrope			527
14111	$C_8H_{18}O$	Butyl ether	142.2	Nonazeotrope			548
14112	$C_8H_{18}O$	2-Ethyl-1-hexanol	184.8	Nonazeotrope			981
14113	$C_8H_{18}O$	Octyl alcohol	195.2	Nonazeotrope			575
14114	$C_8H_{18}O$	*sec*-Octyl alcohol	179.0	Nonazeotrope			537
14115	$C_8H_{19}N$	Diisobutylamine	138.5	<137.5	<49		551
14116	$C_9H_{18}O$	2-Ethylheptanal		139.0	96.1		163
A =	**C_8H_{10}**	***o*-Xylene**	**143.6**				
14117	$C_8H_{18}O$	Butyl ether	142.4	<142.0	<22		558
14118	C_9H_{20}	Nonane	150.7	144.25	81		1070

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**C_8H_{10}**	***p*-Xylene**	**138.4**			
14119	C_8H_{18}	Octane	125.75	Nonazeotrope		163
14120	C_9H_{20}	*n*-Nonane	150.8	Nonazeotrope		307
A =	**$C_8H_{10}O$**	**Benzyl Methyl Ether**	**167.8**			
14121	$C_8H_{14}O$	Methylheptenone	173.2	Nonazeotrope		575
14122	$C_8H_{16}O$	2-Octanone	172.85	Nonazeotrope		575
14123	$C_8H_{16}O_2$	Butyl butyrate	166.4	166.0	30	557
14124	$C_8H_{16}O_2$	Isoamyl propionate	160.7	Nonazeotrope		557
14125	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	Nonazeotrope		575
14126	$C_8H_{20}SiO_4$	Ethyl silicate	168.8	<165.5		557
14127	C_9H_{12}	Mesitylene	164.6	<163.5	>15	558
14128	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	Nonazeotrope		557
14129	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	Nonazeotrope		557
14130	$C_{10}H_{16}$	Camphene	159.6	158.0	<30	558
14131	$C_{10}H_{16}$	Nopinene	163.8	161.2	35	558
14132	$C_{10}H_{16}$	α-Terpinene	173.4	166.4	65	558
A =	**$C_8H_{10}O$**	***o*-Ethylphenol**	**216.5**			
14133	$C_{10}H_{18}O$	Citronellal	208.0	Nonazeotrope		575
A =	**$C_8H_{10}O$**	***p*-Ethylphenol**	**218.8**			
14134	$C_8H_{10}O$	Phenethyl alcohol	219.4	>220.5	>55	575
14135	$C_8H_{10}O$	2,4-Xylenol	210.5	Nonazeotrope		575
14136	$C_8H_{10}O_2$	Veratrole	206.8	Nonazeotrope		575
14137	$C_8H_{10}O_2$	2-Phenoxyethanol	245.2	Nonazeotrope		575
14138	$C_8H_{11}N$	Ethylaniline	205.5	Nonazeotrope		215
14139	$C_8H_{11}NO$	*o*-Phenetidine	232.5	Nonazeotrope		551
14140	$C_8H_{12}O_4$	Ethyl fumarate	217.85	223.0	48	562
14141	$C_8H_{12}O_4$	Ethyl maleate	223.3	226.3	38	575
14142	$C_8H_{18}O$	Octyl alcohol	195.2	Nonazeotrope		575
14143	C_9H_7N	Quinoline	237.3	<239.5	>11	575
14144	$C_9H_{10}O$	*p*-Methylacetophenone	226.35	229.5	30	552
14145	$C_9H_{10}O$	Propiophenone	217.7	224.5		552
14146	$C_9H_{10}O_2$	Benzyl acetate	215.0	221.0	60	562
14147	$C_9H_{10}O_2$	Ethyl benzoate	212.5	219.8	80	575
14148	$C_9H_{13}N$	*N,N*-Dimethyl-*p*-toluidine	210.2	Nonazeotrope		551
14149	$C_{10}H_8$	Naphthalene	218.0	215.0	45	562
14150	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	Nonazeotrope		575
14151	$C_{10}H_{15}N$	Diethylaniline	217.05	214.0	60	551
14152	$C_{10}H_{18}O$	Citronellal	208.0	Nonazeotrope		575
14153	$C_{10}H_{18}O$	α-Terpineol	218.85	<219.7	>58	575
14154	$C_{10}H_{22}O$	Decyl alcohol	232.8	Nonazeotrope		575
14155	$C_{10}H_{22}S$	Isoamyl sulfide	214.8	<213.5	>23	566
14156	$C_{11}H_{16}O$	Methyl thymyl ether	216.5	<216.3	>20	575
14157	$C_{11}H_{20}O$	Methyl α-terpineol ether	216.2	<215.9	>14	575
14158	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	Nonazeotrope		575
14159	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.9	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_8H_{10}O$**	***p*-Ethylphenol *(continued)***	**218.8**			
14160	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	212.0	40	562
A =	**$C_8H_{10}O$**	***p*-Methylanisole**	**177.05**			
14161	$C_8H_{11}N$	Dimethylaniline	194.15	Nonazeotrope		551
14162	$C_8H_{16}O$	2-Octanone	172.85	Nonazeotrope		575
14163	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope		557
14164	$C_8H_{16}O_2$	Isoamyl propionate	160.7	Nonazeotrope		557
14165	$C_8H_{18}O$	Octyl alcohol	195.15	Nonazeotrope		576
14166	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	176.3	79	576
14167	$C_8H_{18}S$	Butyl sulfide	185.0	Nonazeotrope		575
14168	C_9H_8	Indene	183.0	Nonazeotrope		541
14169	C_9H_{12}	Pseudocumene	~ 168.2	Nonazeotrope		541
14170	$C_9H_{13}N$	Dimethyl-*o*-toluidine	185.35	Nonazeotrope		551
14171	$C_9H_{18}O_2$	Butyl isovalerate	177.6	176.4	58	557
14172	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	Nonazeotrope		557
14173	$C_9H_{18}O_2$	Isoamyl isobutyrate	169.8	Nonazeotrope		557
14174	$C_9H_{18}O_2$	Isobutyl isovalerate	171.35	Nonazeotrope		557
14175	$C_{10}H_{14}$	Butylbenzene	183.2	Nonazeotrope		548
14176	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope?		548
14177	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope		558
14178	$C_{10}H_{16}$	Terpinolene	184.6	Nonazeotrope		558
14179	$C_{10}H_{18}O$	Cineole	176.35	175.35	35	527
14180	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope		557
14181	$C_{10}H_{22}O$	Isoamyl ether	173.2	172.5	29.5	549
14182	$C_{10}H_{23}N$	Diisoamylamine	188.2	Nonazeotrope		551
A =	**$C_8H_{10}O$**	**Phenethyl Alcohol**	**219.4**			
14183	$C_8H_{10}O$	3,4-Xylenol	226.8	Nonazeotrope		575
14184	$C_8H_{10}O_2$	2-Phenoxyethanol	245.2	Nonazeotrope		575
14185	$C_8H_{11}N$	Dimethylaniline	194.05	Nonazeotrope		551
14186	$C_8H_{11}N$	Ethylaniline	205.5	Nonazeotrope		545
14187	$C_8H_{11}N$	2,4-Xylidine	214.0	Nonazeotrope		551
14188	$C_8H_{11}N$	3,4-Xylidine	225.5	Nonazeotrope		551
14189	$C_8H_{11}NO$	*o*-Phenetidine	232.5	Nonazeotrope		551
14190	$C_8H_{12}O_4$	Ethyl fumarate	217.85	Nonazeotrope		575
14191	$C_8H_{12}O_4$	Ethyl maleate	223.3	Nonazeotrope		575
14192	$C_8H_{16}O_3$	Isoamyl lactate	202.4	Nonazeotrope		575
14193	$C_8H_{18}O_3$	2-(2-Butoxyethoxy)-ethanol	231.2	<219.0	<92	575
14194	$C_9H_{10}O$	*p*-Methylacetophenone	226.35	Nonazeotrope		552
14195	$C_9H_{10}O$	Propiophenone	217.7	Nonazeotrope		552
14196	$C_9H_{10}O_2$	Benzyl acetate	214.9	Nonazeotrope		529
14197	$C_9H_{10}O_2$	Ethyl benzoate	212.6	Nonazeotrope		535
14198	$C_9H_{10}O_3$	Ethyl salicylate	233.7	Nonazeotrope		536
14199	$C_9H_{13}N$	*N,N*-Dimethyl-*p*-toluidine	210.2	208.5	30	551
14200	$C_{10}H_8$	Naphthalene	218.05	214.2	44	528
14201	$C_{10}H_{10}O_2$	Safrole	235.9	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_8H_{10}O$**	**Phenethyl Alcohol**	**219.4**			
		(continued)				
14202	$C_{10}H_{12}O$	Anethole	235.7	Nonazeotrope		575
14203	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.75	Nonazeotrope		535
14204	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	Nonazeotrope		575
14205	$C_{10}H_{14}O$	Carvacrol	237.85	Nonazeotrope		575
14206	$C_{10}H_{14}O$	Carvone	231.0	Nonazeotrope		552
14207	$C_{10}H_{14}O$	Thymol	232.8	Nonazeotrope		530
14208	$C_{10}H_{15}N$	Diethylaniline	217.05	213.95	40	551
14209	$C_{10}H_{16}O$	Pulegone	223.8	Nonazeotrope		552
14210	$C_{10}H_{18}O$	Borneol	213.4	213.0	20	545
14211	$C_{10}H_{18}O$	Citronellal	208.0	Nonazeotrope		575
14212	$C_{10}H_{18}O$	α-Terpineol	218.85	217.85	33	549
14213	$C_{10}H_{20}O$	Menthol	216.3	215.05	30	549
14214	$C_{11}H_{10}$	1-Methylnaphthalene	244.9	Nonazeotrope		537
14215	$C_{11}H_{16}O$	Methyl thymyl ether	216.5	~ 215.0		575
14216	$C_{11}H_{17}N$	Isoamylaniline	256.0	Nonazeotrope		551
14217	$C_{11}H_{20}O$	α-Terpineol methyl ether	216.2	215.5		545
14218	$C_{12}H_{10}$	Biphenyl	254.9	Nonazeotrope		537
14219	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	212.5		537
14220	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope		535
A =	**$C_8H_{10}O$**	**Phenetole**	**170.45**			
14221	$C_8H_{11}N$	Dimethylaniline	194.15	Nonazeotrope		551
14222	$C_8H_{14}O$	Methylheptenone	173.2	170.1	90?	552
14223	$C_8H_{16}O$	2-Octanone	172.85	170.0	92	552
14224	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope		557
14225	$C_8H_{16}O_2$	Hexyl acetate	171.5	169.9	<75	557
14226	$C_8H_{16}O_2$	Isoamyl propionate	160.3	Nonazeotrope		557
14227	$C_8H_{18}O$	*sec*-Octyl alcohol	179.0	Nonazeotrope		556
14228	$C_8H_{18}S$	Butyl sulfide	185.0	Nonazeotrope		556
14229	$C_8H_{20}SiO_4$	Ethyl silicate	168.8	<166.0		557
14230	C_9H_8	Indene	182.8	Nonazeotrope		548
14231	C_9H_{12}	Cumene	168.2	168.15	<10	558
14232	C_9H_{12}	Mesitylene	164.6	Nonazeotrope		530
14233	C_9H_{12}	Propylbenzene	159.3	Nonazeotrope		558
14234	C_9H_{12}	Pseudocumene	168.2	168.15	<10	548
14235	$C_9H_{13}N$	Dimethyl-*o*-toluidine	185.35	Nonazeotrope		551
14236	$C_9H_{18}O_2$	Butyl isovalerate	177.6	Nonazeotrope		557
14237	$C_9H_{18}O_2$	Isoamyl butyrate	178.5	Nonazeotrope		557
14238	$C_9H_{18}O_2$	Isoamyl isobutyrate	169.8	169.2	40?	557
14239	$C_9H_{18}O_2$	Isobutyl isovalerate	171.4	170.1	65	557
14240	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	Nonazeotrope		557
14241	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		548
14242	$C_{10}H_{16}$	Camphene	159.6	Nonazeotrope		548
14243	$C_{10}H_{16}$	Dipentene	177.7	Nonazeotrope		558
14244	$C_{10}H_{16}$	*d*-Limonene	177.8	170.35	97?	548
14245	$C_{10}H_{16}$	Nopinene	163.8	Nonazeotrope		558
14246	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope		548

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_8H_{10}O$**	**Phenetole** *(continued)*	**170.45**				
14247	$C_{10}H_{16}$	α-Terpinene	173.4	170.0	86		558
14248	$C_{10}H_{16}$	γ-Terpinene	179.9	Nonazeotrope			548
14249	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope			545
14250	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope			557
14251	$C_{10}H_{22}O$	Isoamyl ether	173.2	169.2	65		549
14252	$C_{10}H_{23}N$	Diisoamylamine	188.2	Nonazeotrope			551
A =	**$C_8H_{10}O$**	**2,4-Xylenol**	**210.5**				
14253	$C_8H_{12}O_4$	Ethyl fumarate	217.85	219.65	32		575
14254	$C_8H_{12}O_4$	Ethyl maleate	223.3	223.7			575
14255	$C_8H_{16}O_3$	Isoamyl lactate	202.4	>212.2	<30		575
14256	C_9H_7N	Quinoline	237.3	239.0	8		575
		" 200 mm.	182.5	184.2	26.3	v-l	440
		" 150 mm.		175	27.1		440
14257	$C_9H_{10}O$	*p*-Methylacetophenone	226.35	227.0	85		575
14258	$C_9H_{10}O$	Propiophenone	217.7	221.0	65		575
14259	$C_9H_{10}O_2$	Benzyl acetate	215.0	216.8	36		575
14260	$C_9H_{10}O_2$	Ethyl benzoate	212.5	>214.5	>32		575
14261	$C_{10}H_{16}O$	Camphor	209.1	217.0	50		575
14262	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope			575
14263	$C_{10}H_{22}S$	Isoamyl sulfide	214.8	<209.5	<88		575
14264	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope			575
A =	**$C_8H_{10}O$**	**3,4-Xylenol**	**226.8**				
14265	$C_8H_{10}O_2$	*o*-Ethoxyphenol	216.5	Nonazeotrope			575
14266	$C_8H_{10}O_2$	2-Phenoxyethanol	245.2	Nonazeotrope			575
14267	$C_8H_{11}N$	2,4-Xylidine	214.0	Nonazeotrope			551
14268	$C_8H_{11}N$	Ethylaniline	205.5	Nonazeotrope			551
14269	$C_8H_{11}NO$	*o*-Phenetidine	232.5	232.65	8		551
14270	$C_8H_{11}NO$	*p*-Phenetidine	249.9	Nonazeotrope			551
14271	$C_8H_{12}O_4$	Ethyl fumarate	217.85	228.2	65		4,526
14272	$C_8H_{12}O_4$	Ethyl maleate	223.3	230.0	55		527
14273	$C_8H_{16}O_2$	Caprylic acid	238.5	Nonazeotrope			575
14274	$C_8H_{16}O_3$	Isoamyl lactate	202.4	Nonazeotrope			575
14275	$C_8H_{18}O$	Octyl alcohol	195.2	Nonazeotrope			575
14276	C_9H_7N	Quinoline	237.3	241.95	35		568
		" 200 mm.	182.5	191.5	42.8	v-l	440
		" 116 mm.		175	44.1		440
14277	$C_9H_{10}O$	Cinnamyl alcohol	257.0	Nonazeotrope			575
14278	$C_9H_{10}O$	*p*-Methylacetophenone	226.35	231.35	51		568
14279	$C_9H_{10}O$	Propiophenone	217.7	228.5	67		552
14280	$C_9H_{10}O_2$	Benzyl acetate	215.0	Nonazeotrope			575
14281	$C_9H_{10}O_2$	Ethyl benzoate	212.5	Nonazeotrope			575
14282	$C_9H_{10}O_3$	Ethyl salicylate	233.8	Nonazeotrope			575
14283	$C_9H_{12}O$	Mesitol	220.5	Nonazeotrope			575
14284	$C_9H_{12}O$	3-Phenylpropanol	235.6	Nonazeotrope			575
14285	$C_9H_{13}N$	*N,N*-Dimethyl-*p*-toluidine	210.2	Nonazeotrope			551

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_8H_{10}O$**	**3,4-Xylenol** *(continued)*	**226.8**				
14286	$C_{10}H_8$	Naphthalene	218.0	217.6	16		564
14287	$C_{10}H_9N$	Quinaldine	246.5	>248.0	20		575
14288	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.75	230.8	42		562
14289	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	231.9	33		575
14290	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope			549
14291	$C_{10}H_{15}N$	Diethylaniline	217.05	217.0	8		551
14292	$C_{10}H_{16}O$	Camphor	209.1	227.55	73		568
14293	$C_{10}H_{18}O$	Borneol	215.0	Nonazeotrope			575
14294	$C_{10}H_{18}O$	Citronellal	208.0	Nonazeotrope			575
14295	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope			575
14296	$C_{10}H_{18}O$	α-Terpineol	218.85	Nonazeotrope			575
14297	$C_{10}H_{20}O$	Menthol	216.3	Nonazeotrope			575
14298	$C_{10}H_{20}O_2$	Ethyl caprylate	208.35	Nonazeotrope			575
14299	$C_{10}H_{22}S$	Isoamyl sulfide	214.8	Nonazeotrope			566
14300	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	Nonazeotrope			575
14301	$C_{11}H_{16}O$	Methyl thymyl ether	216.5	Nonazeotrope			575
14302	$C_{11}H_{20}O$	Methyl α-terpineol ether	216.2	Nonazeotrope			575
14303	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	Nonazeotrope			575
14304	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope			575
14305	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	>229.8	>37		575
14306	$C_{13}H_{28}$	Tridecane	234.0	223.5	58		562
A =	**$C_8H_{10}O$**	**3,5-Xylenol**	**175.7/200**				
14307	C_9H_7N	Quinoline 200 mm.	182.5	186.35	33.7	v-l	440
		" 130 mm.		175	33.7		440
A =	**$C_8H_{10}O_2$**	***m*-Dimethoxybenzene**	**214.7**				
14308	$C_8H_{11}N$	2,4-Xylidine	214.0	<211.8	<56		575
14309	$C_8H_{11}N$	3,4-Xylidine	225.5	Nonazeotrope			575
14310	$C_8H_{12}O_4$	Ethyl fumarate	217.85	211.2			557
14311	$C_8H_{12}O_4$	Ethyl maleate	223.3	<212.5	>82		575
14312	$C_9H_{10}O_2$	Benzyl acetate	215.0	<214.0	<60		575
14313	$C_9H_{10}O_2$	Ethyl benzoate	212.5	<212.35			557
14314	$C_{10}H_{18}O$	Borneol	213.4	213.0			576
14315	$C_{10}H_{18}O$	α-Terpineol	218.85	<214.0	>70		575
		"	218.0	Nonazeotrope			576
14316	$C_{10}H_{20}O$	Menthol	216.4	214.2			576
14317	$C_{10}H_{22}S$	Isoamyl sulfide	214.8	<213.5	>44		575
14318	$C_{11}H_{20}O$	Terpineol methyl ether	216.2	Nonazeotrope			537
14319	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope			557
A =	**$C_8H_{10}O_2$**	***m*-Ethoxyphenol**	**243.8**				
14320	$C_{11}H_{14}O_2$	Butyl benzoate	249.0	Nonazeotrope			575
A =	**$C_8H_{10}O_2$**	***o*-Ethoxyphenol**	**216.5**				
14321	$C_8H_{10}O_2$	2-Phenoxyethanol	245.2	Nonazeotrope			575
14322	$C_8H_{11}N$	Dimethylaniline	194.15	Nonazeotrope			551
14323	$C_8H_{11}N$	Ethylaniline	205.5	Nonazeotrope			551
14324	$C_8H_{11}N$	2,4-Xylidine	214.0	Nonazeotrope			551

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_8H_{10}O_2$**	***o*-Ethoxyphenol** ***(continued)***	**216.5**			
14325	$C_8H_{12}O_4$	Ethyl maleate	223.3	Nonazeotrope		575
14326	$C_8H_{14}O_4$	Ethyl succinate	216.5	Azeotropic		563
14327	$C_8H_{18}O_3$	2-(2-Butoxyethoxy)ethanol	231.2	Nonazeotrope		575
14328	$C_9H_{10}O$	Propiophenone	217.7	218.3		552
14329	$C_9H_{10}O_2$	Benzyl acetate	~214.9	218		535
14330	$C_9H_{10}O_2$	Ethyl benzoate	212.6	Nonazeotrope		548
14331	$C_9H_{12}O$	Mesitol	220.5	Nonazeotrope		575
14332	$C_9H_{13}N$	*N,N*-Dimethyl-*p*-toluidine	210.2	Nonazeotrope		551
14333	$C_{10}H_8$	Naphthalene	218.0	<215.5	>72	575
14334	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		542
14335	$C_{10}H_{15}N$	Diethylaniline	217.05	<216.2	>57	551
14336	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope		575
14337	$C_{10}H_{16}O$	Pulegone	223.8	Nonazeotrope		552
14338	$C_{10}H_{18}O$	Borneol	211.8	Nonazeotrope		563
14339	$C_{10}H_{20}O$	Menthol	216.3	<216.0		575
14340	$C_{10}H_{20}O_2$	Ethyl caprylate	208.35	Nonazeotrope		575
14341	$C_{10}H_{22}S$	Isoamyl sulfide	214.8	<214.2		566
14342	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	<214.5	>30	575
14343	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope		535
A =	**$C_8H_{10}O_2$**	**2-Phenoxyethanol**	**245.2**			
14344	$C_9H_{10}O$	Cinnamyl alcohol	257.0	Nonazeotrope		575
14345	$C_9H_{10}O_3$	Ethyl salicylate	233.8	Nonazeotrope		575
14346	$C_9H_{12}O$	3-Phenylpropanol	235.6	Nonazeotrope		575
14347	$C_{10}H_7Cl$	1-Chloronaphthalene	262.7	Nonazeotrope		575
14348	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		575
14349	$C_{10}H_{10}O_2$	Isosafrole	252.0	<244.5	>68	575
14350	$C_{10}H_{18}O$	Geraniol	229.6	Nonazeotrope		575
14351	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	<243.0	>43	575
14352	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	239.5	30	575
14353	$C_{12}H_{10}$	Acenaphthene	277.9	Nonazeotrope		575
14354	$C_{12}H_{10}O$	Phenyl ether	259.0	Nonazeotrope		575
14355	$C_{13}H_{12}$	Diphenylmethane	265.4	Nonazeotrope		575
A =	**$C_8H_{10}O_2$**	**Veratrole**	**206.8**			
14356	$C_8H_{11}N$	Dimethylaniline	194.15	Nonazeotrope		551
14357	$C_8H_{11}N$	Ethylaniline	205.5	<203.0		575
14358	$C_8H_{12}O_4$	Ethyl fumarate	217.85	<205.9	>69	557
14359	$C_9H_{10}O_2$	Benzyl acetate	215.0	Nonazeotrope		557
14360	$C_9H_{10}O_2$	Ethyl benzoate	212.6	Nonazeotrope		557
14361	$C_9H_{13}N$	Dimethyl-o-toluidine	185.35	Nonazeotrope		551
14362	$C_{10}H_8$	Naphthalene	218.05	Nonazeotrope		573
14363	$C_{10}H_{15}N$	Diethylaniline	217.05	Nonazeotrope		551
14364	$C_{10}H_{18}O$	Borneol	213.4	Nonazeotrope		573
14365	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope		557
14366	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		537

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A	Ref.
A =	**$C_8H_{11}N$**	**Dimethylaniline**	**194.05**			
14367	$C_8H_{18}O$	Octyl alcohol	195.2	191.75	49.5	551
14368	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	Nonazeotrope		551
		"	180.4	180.0		545
14369	C_9H_8	Indene	182.6	Nonazeotrope		551
14370	$C_9H_{10}O$	Prophiophenone	217.7	Nonazeotrope		551
14371	C_9H_{12}	Mesitylene	164.6	Nonazeotrope		551
14372	C_9H_{12}	Propylbenzene	159.3	Nonazeotrope		551
14373	$C_9H_{12}O$	Benzyl ethyl ether	185.0	Nonazeotrope		575
14374	$C_{10}H_8$	Napthalene	218.0	Nonazeotrope		551
14375	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		551
14376	$C_{10}H_{16}$	Camphene	159.6	Nonazeotrope		551
14377	$C_{10}H_{16}$	Dipentene	177.7	Nonazeotrope		551
14378	$C_{10}H_{16}$	*d*-Limonene	177.8	Nonazeotrope		545
		"	177.8	174	27	563
14379	$C_{10}H_{16}$	Nopinene	163.8	Nonazeotrope		551
14380	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope		551
14381	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope		551
14382	$C_{10}H_{16}$	Terpinolene	185	~ 179	~ 35	563
14383	$C_{10}H_{16}$	Thymene	179.7	Nonazeotrope		532
14384	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope		551
14385	$C_{10}H_{16}O$	Fenchone	193	191	~ 35	563
14386	$C_{10}H_{18}O$	Borneol	215.0	Nonazeotrope		551
14387	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope		551
14388	$C_{10}H_{18}O$	Linalool	198.6	193.9	85	551
14389	$C_{10}H_{18}O$	α-Terpineol	218.85	Nonazeotrope		551
14390	$C_{10}H_{20}O$	Citronellol	224.4	Nonazeotrope		551
14391	$C_{10}H_{20}O$	Menthol	216.3	Nonazeotrope		551
14392	$C_{10}H_{22}O$	Amyl ether	187.5	<187.0	<27	551
14393	$C_{10}H_{22}O$	Isoamyl ether	173.2	Nonazeotrope		551
14394	$C_{12}H_{22}O$	Bornyl ethyl ether	204.9	Nonazeotrope		551
A =	**$C_8H_{11}N$**	**Ethylaniline**	**205.5**			
14395	$C_8H_{18}O$	*n*-Octyl alcohol	195.2	194.9	15	551
14396	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	Nonazeotrope		551
14397	$C_9H_{10}O$	Propiophenone	217.7	Nonazeotrope		551
14398	$C_9H_{12}O$	Phenyl propyl ether	190.5	Nonazeotrope		575
14399	$C_{10}H_8$	Napthalene	218.0	Nonazeotrope		551
		"	218.1	205	~ 10	563
14400	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		551
14401	$C_{10}H_{16}$	Terpinolene	184.6	Nonazeotrope		551
14402	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope		551
14403	$C_{10}H_{18}O$	Borneol	215.0	Nonazeotrope		551
14404	$C_{10}H_{18}O$	Geraniol	229.6	Nonazeotrope		575
14405	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		551
14406	$C_{10}H_{18}O$	Menthone	207	<205	~ 60	563
		"	209.5	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_8H_{11}N$**	**Ethylaniline** *(continued)*	**205.5**			
14407	$C_{10}H_{18}O$	α-Terpineol	218.85	Nonazeotrope		551
14408	$C_{10}H_{20}O$	Citronellol	224.4	Nonazeotrope		551
14409	$C_{10}H_{20}O$	Menthol	216.3	Nonazeotrope		551
14410	$C_{10}H_{22}O$	*n*-Decyl alcohol	232.8	Nonazeotrope		551
14411	$C_{11}H_{16}O$	Methyl thymyl ether	216.5	Nonazeotrope		575
14412	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	Nonazeotrope		551
14413	$C_{11}H_{20}O$	Methyl α-terpineol ether	216.3	Nonazeotrope		563
14414	$C_{11}H_{24}O_2$	Diisoamyloxymethane	207.3	204	58	563
14415	$C_{12}H_{22}O$	Bornyl ethyl ether	204.9	<203.0	<48	551
A =	**$C_8H_{11}N$**	***s*-Collidine**	**170.0**			
14416	C_8H_{18}	2,2,4-Trimethylpentane	99.3	Nonazeotrope		575
14417	$C_{10}H_8$	Napthalene	217.9	Nonazeotrope		506
A =	**$C_8H_{11}N$**	**2,4-Xylidine**	**214.0**			
14418	$C_8H_{18}O$	*n*-Octyl alcohol	195.2	Nonazeotrope		551
14419	$C_9H_{10}O$	Propiophenone	217.7	Nonazeotrope		551
14420	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		551
14421	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope		551
14422	$C_{10}H_{20}O$	Menthol	216.3	213.5	70	551
14423	$C_{11}H_{16}O$	Methyl thymyl ether	216.5	<212.5		575
14424	$C_{11}H_{24}$	Undecane	195.5	194.98	12	506
14425	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	<212.5	>51	551
14426	$C_{12}H_{22}O$	Ethyl bornyl ether	204.9	Nonazeotrope		575
14427	$C_{12}H_{26}$	Dodecane	216.5	209.80	37.0	506
14428	$C_{13}H_{28}$	Tridecane	234.6	215.28	71.0	506
14429	$C_{14}H_{30}$	Tetradecane	252	217.38	97.5	506
A =	**$C_8H_{11}N$**	**3,4-Xylidine**	**225.5**			
14430	$C_9H_{12}O$	3-Phenylpropanol	235.6	Nonazeotrope		551
14431	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		551
14432	$C_{10}H_{14}O$	Carvacrol	237.85	Nonazeotrope		575
14433	$C_{10}H_{20}O$	Citronellol	224.4	223.5	40	551
14434	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		527,551
14435	$C_{12}H_{22}O$	Bornyl ethyl ether	204.9	Nonazeotrope		575
A =	**$C_8H_{11}NO$**	***o*-Phenetidine**	**232.5**			
14436	$C_8H_{18}O_3$	2-(2-Butoxyethoxy)ethanol	231.2	226.0	52	575
14437	$C_9H_{10}O$	*p*-Methylacetophenone	226.35	Nonazeotrope		551
14438	$C_9H_{10}O_3$	Ethyl salicylate	233.8	232.2	82	551
14439	$C_9H_{12}O$	3-Phenylpropanol	235.6	Nonazeotrope		551
14440	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		551
14441	$C_{10}H_{10}O_2$	Isosafrole	252.0	Nonazeotrope		551
14442	$C_{10}H_{10}O_2$	Safrole	235.9	232.38	86	551
14443	$C_{10}H_{12}O$	Anethole	235.7	232.25	75	551
14444	$C_{10}H_{14}O$	Carvacrol	237.85	238.0	13	551
14445	$C_{10}H_{14}O$	Carvone	231.0	>232.8	<74	551
14446	$C_{10}H_{14}O$	Thymol	232.9	234.3	45.1	551
14447	$C_{10}H_{16}O$	Carvenone	234.5	235.0	30	551

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_8H_{11}NO$**	***o*-Phenetidine** *(continued)*	**232.5**			
14448	$C_{10}H_{16}O$	Pulegone	223.8	Nonazeotrope		551
14449	$C_{10}H_{18}O$	α-Terpineol	218.85	Nonazeotrope		551
14450	$C_{10}H_{20}O$	Menthol	216.3	Nonazeotrope		551
14451	$C_{10}H_{22}O$	*n*-Decyl alcohol	232.8	232.0	>52	551
14452	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	Nonazeotrope		551
		"	244.6	Nonazeotrope		548
14453	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		527,551
14454	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		551
A =	**$C_8H_{11}NO$**	***p*-Phenetidine**	**249.9**			
14455	$C_9H_{10}O$	Cinnamyl alcohol	257.0	Nonazeotrope		551
14456	$C_9H_{10}O_3$	Ethyl salicylate	233.8	Nonazeotrope		551
14457	$C_9H_{12}O$	3-Phenylpropanol	235.6	Nonazeotrope		551
14458	$C_9H_{12}O_2$	Benzyloxyethanol	265.2	Nonazeotrope		575
14459	$C_{10}H_7Cl$	1-Chloronaphthalene	262.7	249.7	90	551
14460	$C_{10}H_{10}O_2$	Isosafrole	252.0	248.8	64	551
14461	$C_{10}H_{10}O_2$	Safrole	235.9	Nonazeotrope		551
14462	$C_{10}H_{12}O$	Anethole	235.7	Nonazeotrope		551
14463	$C_{10}H_{14}O$	Carvacrol	237.85	Nonazeotrope		551
14464	$C_{10}H_{14}O$	Carvone	231.0	Nonazeotrope		551
14465	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		551
14466	$C_{10}H_{16}O$	Carvenone	234.5	Nonazeotrope		551
14467	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	243.95	27	551
14468	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	240.85	15	527
14469	$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethoxybenzene	254.7	249.4	75	551
14470	$C_{11}H_{14}O_2$	1,2-Dimethoxy-4-propenylbenzene	270.5	Nonazeotrope		551
14471	$C_{12}H_{10}$	Biphenyl	256.1	249.5	90	551
14472	$C_{12}H_{10}O$	Phenyl ether	259.0	249.75	85	551
14473	$C_{12}H_{16}O_3$	Isoamyl salicylate	277.5	Nonazeotrope		551
14474	$C_{13}H_{12}$	Diphenylmethane	266.4	Nonazeotrope		551
A =	**$C_8H_{12}O_4$**	**Ethyl Fumarate**	**217.85**			
14475	$C_8H_{14}O_4$	Propyl oxalate	214	Nonazeotrope		575
14476	$C_8H_{16}O_2$	Caprylic acid	238.5	Nonazeotrope		575
14477	$C_8H_{16}O_4$	2-(2-Ethoxyethoxy)ethyl acetate	218.5	217.0	62	562
14478	$C_9H_{10}O$	*p*-Methylacetophenone	226.35	Nonazeotrope		552
14479	$C_9H_{10}O$	Propiophenone	217.7	216.8	53	552
14480	$C_9H_{10}O_2$	Benzyl acetate	215.0	Nonazeotrope		549
14481	$C_9H_{10}O_2$	Ethyl benzoate	212.5	Nonazeotrope		575
14482	$C_{10}H_8$	Naphthalene	218.0	216.7	58	527
14483	$C_{10}H_{10}O_2$	Safrole	235.9	Nonazeotrope		557
14484	$C_{10}H_{12}O$	Anethole	235.7	Nonazeotrope		557
14485	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.75	Nonazeotrope		575
14486	$C_{10}H_{14}O$	Thymol	232.9	233.35	12.5	562

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_8H_{12}O_4$**	**Ethyl Fumarate** *(continued)*	**217.85**			
14487	$C_{10}H_{14}O_2$	*m*-Diethoxybenzene	235.0	Nonazeotrope		557
14488	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope		552
14489	$C_{10}H_{16}O$	Pulegone	223.8	Nonazeotrope		552
14490	$C_{10}H_{18}O$	Borneol	215.0	Nonazeotrope		526
14491	$C_{10}H_{18}O$	Citronellal	208.0	Nonazeotrope		575
14492	$C_{10}H_{18}O$	Geraniol	229.6	Nonazeotrope		575
14493	$C_{10}H_{18}O$	α-Terpineol	218.85	Nonazeotrope		575
14494	$C_{10}H_{20}O$	Menthol	216.3	216.0	30	526
14495	$C_{10}H_{20}O_2$	Methyl pelargonate	213.8	Nonazeotrope		549
14496	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		527
14497	$C_{11}H_{16}O$	Methyl thymol ether	216.5	<212.8		557
14498	$C_{11}H_{20}O$	Methyl α-terpineol ether	216.2	209.5	43	557
14499	$C_{11}H_{22}O_2$	Ethyl pelargonate	227	Nonazeotrope		575
14500	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	<215.0	<43	575
14501	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope		549
A =	**$C_8H_{12}O_4$**	**Ethyl Maleate**	**223.3**			
14502	$C_8H_{14}O_4$	Propyl oxalate	214	Nonazeotrope		575
14503	$C_8H_{16}O_2$	Caprylic acid	238.5	Nonazeotrope		575
14504	$C_9H_{10}O$	*p*-Methylacetophenone	226.35	223.15	88	552
14505	$C_9H_{10}O$	Priopiophenone	217.7	Nonazeotrope		559
14506	$C_9H_{10}O_2$	Benzyl acetate	215.0	Nonazeotrope		545
14507	$C_9H_{10}O_2$	Ethyl benzoate	212.5	Nonazeotrope		572
14508	$C_9H_{10}O_3$	Ethyl salicylate	233.8	Nonazeotrope		580
14509	$C_{10}H_8$	Naphthalene	218.0	217.65	23	525
14510	$C_{10}H_{10}O_2$	Safrole	235.9	Nonazeotrope		556
14511	$C_{10}H_{12}O$	Anethole	235.7	Nonazeotrope		557
14512	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	Nonazeotrope		575
14513	$C_{10}H_{14}O$	Carvacrol	237.85	238.7	12	575
14514	$C_{10}H_{14}O$	Carvone	231.0	Nonazeotrope		552
14515	$C_{10}H_{14}O$	Thymol	232.9	234.9	27	562
14516	$C_{10}H_{16}O$	Pulegone	223.8	221.8	53	552
14517	$C_{10}H_{18}O$	Citronellal	208.0	Nonazeotrope		575
14518	$C_{10}H_{18}O$	α-Terpineol	218.85	218.3	20	526
14519	$C_{10}H_{20}O$	Citronellol	224.4	<222.3	<50	575
14520	$C_{10}H_{22}O$	Decyl alcohol	232.8	Nonazeotrope		575
14521	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		527
14522	$C_{11}H_{16}O$	Methyl thymyl ether	216.5	<215.9	<12	575
14523	$C_{11}H_{20}O$	Methyl terpineol ether	216.2	<214.8	<18	575
14524	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	Nonazeotrope		575
14525	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		575
A	**$C_8H_{14}O$**	**Methylheptenone**	**173.2**			
14526	$C_8H_{18}O$	Octyl alcohol	195.2	Nonazeotrope		552
14527	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	Nonazeotrope		552
14528	$C_8H_{18}S$	Butyl sulfide	185.0	Nonazeotrope		566
14529	C_9H_8	Indene	182.6	Nonazeotrope		552
14530	C_9H_{12}	Mesitylene	164.6	Nonazeotrope		552

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_8H_{14}O$**	**Methylheptenone** *(continued)*	**173.2**				
14531	C_9H_{12}	Propylbenzene	159.3	Nonazeotrope			575
14532	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	Nonazeotrope			552
14533	$C_9H_{18}O_2$	Isoamyl isobutyrate	169.8	Nonazeotrope			552
14534	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	Nonazeotrope			552
14535	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope			552
14536	$C_{10}H_{14}$	Cymene	176.7	172.7	72		552
14537	$C_{10}H_{16}$	Camphene	159.6	157.5	12		552
		"	159.6	Nonazeotrope			545
14538	$C_{10}H_{16}$	Dipentene	177.7	170.9	52.5		552
14539	$C_{10}H_{16}$	*d*-Limonene	177.8	170.9	52.5		529
14540	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope			573
14541	$C_{10}H_{16}$	α-Terpinene	173.4	170.0	42		552
14542	$C_{10}H_{18}O$	Cineole	176.35	171.9	52		552
14543	$C_{10}H_{22}$	Decane	173.3	169.0	42		552
14544	$C_{10}H_{22}O$	Isoamyl ether	172.6	~ 171.5			574
A =	**$C_8H_{14}O_3$**	**Bis(2-Vinyloxyethyl) Ether**	**196.5/10 mm.**				
14545	$C_8H_{18}O_3$	Bis(2-ethoxyethyl) ether 10 mm.		Nonazeotrope		v-l	199
A =	**$C_8H_{14}O_4$**	**Ethyl Succinate**	**217.25**				
14546	$C_8H_{16}O_2$	Caprylic acid	238.5	Nonazeotrope			575
14547	C_9H_8	Indene	182.6	Nonazeotrope			575
14548	$C_9H_{10}O$	*p*-Methylacetophenone	226.35	Nonazeotrope			552
14549	$C_9H_{10}O$	Propiophenone	217.7	216.7	67		552
14550	$C_9H_{10}O_2$	Ethyl benzoate	212.4	Nonazeotrope			529
14551	$C_{10}H_8$	Naphthalene	218.05	216.3	61.5		529
14552	$C_{10}H_{10}O_2$	Safrole	235.9	Nonazeotrope			557
14553	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.75	Nonazeotrope			549
14554	$C_{10}H_{14}O$	Thymol	232.9	>233.0			575
14555	$C_{10}H_{16}$	*d*-Limonene	177.8	Nonazeotrope			538
14556	$C_{10}H_{16}$	γ-Terpinene	179.9	Nonazeotrope			546
14557	$C_{10}H_{16}$	Thymene	179.7	Nonazeotrope			538
14558	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope			552
14559	$C_{10}H_{16}O$	Pulegone	~223.8	Nonazeotrope			552
14560	$C_{10}H_{18}O$	Borneol	213.4	Nonazeotrope			535
14561	$C_{10}H_{18}O$	Geraniol	229.7	Reacts			535
14562	$C_{10}H_{20}O$	Menthol	216.4	215			535
14563	$C_{10}H_{20}O_2$	Methyl pelargonate	213.8	212.5			549
14564	$C_{11}H_{10}$	1-Methylnaphthalene	245.1	Nonazeotrope			546
14565	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope			527
14566	$C_{11}H_{16}O$	Methyl thymyl ether	216.5	<213.5	>38		575
14567	$C_{11}H_{20}O$	Methyl α-terpineol ether	216.2	<212	18		557
14568	$C_{11}H_{22}O_2$	Ethyl pelargonate	227	Nonazeotrope			549
14569	$C_{11}H_{24}O_2$	Diisoamyloxymethane	210.8	<210.4			557
14570	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	<214.0	<46		562
14571	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope			549

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_8H_{14}O_4$**	**Propyl Oxalate**	**214**				
14572	$C_9H_{10}O_2$	Benzyl acetate	215.0	<212.5			549
14573	$C_{10}H_8$	Naphthalene	218.1	Nonazeotrope			546
14574	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope			575
14575	$C_{10}H_{16}$	*d*-Limonene	177.9	Nonazeotrope			546
14576	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope			546
14577	$C_{10}H_{17}Cl$	Bornyl chloride	207.5	205.5	25		575
14578	$C_{12}H_{18}$	1,3,5-Triethylbenzene	216	<210	>70		546
A =	**$C_8H_{15}N$**	**Caprylonitrile**	**205.2**				
14579	$C_8H_{18}O$	Octyl alcohol	195.2	Nonazeotrope			575
A =	**C_8H_{16}**	**1,3-Dimethylcyclohexane**	**120.7**				
14580	C_8H_{18}	Octane	125.75	Nonazeotrope			561
14581	$C_8H_{18}O$	Isobutyl ether	122.3	120.0	72		558
A =	**C_8H_{16}**	**Ethylcyclohexane**					
14582	C_8H_{18}	Octane 50-760 mm.		Nonazeotrope		v-l	761
A =	**$C_8H_{16}O$**	**2-Octanone**	**172.85**				
14583	$C_8H_{16}O_2$	Butyl butyrate	166.4	Nonazeotrope			552
14584	$C_8H_{16}O_2$	Ethyl caproate	167.7	Nonazeotrope			552
14585	$C_8H_{16}O_2$	Hexyl acetate	171.5	171.4?			552
14586	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	Nonazeotrope			552
14587	$C_8H_{18}S$	Butyl sulfide	185.0	Nonazeotrope			575
14588	$C_8H_{18}S$	Isobutyl sulfide	172.0	169.8	50		566
14589	C_9H_8	Indene	182.6	Nonazeotrope			575
14592	C_9H_{12}	Mesitylene	164.6	Nonazeotrope			552
14593	$C_9H_{12}O_2$	Propylbenzene	159.3	Nonazeotrope			552
14590	C_9H_{12}	Pseudocumene	168.2	168.0			552
14591	C_9H_{12}	Isoamyl butyrate	181.05	Nonazeotrope			552
14594	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	Nonazeotrope			552
14595	$C_{10}H_{14}$	Butylbenzene	183.2	Nonazeotrope			548
14596	$C_{10}H_{14}$	Cymene	176.7	172.5	75		552
		"	175.3	Nonazeotrope			563
14597	$C_{10}H_{16}$	Camphene	159.6	158.0	13		552
14598	$C_{10}H_{16}$	Dipentene	177.7	170.0	55		552
14599	$C_{10}H_{16}$	*d*-Limonene	177.8	170	~ 57		573
14600	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope			552
14601	$C_{10}H_{16}$	α-Terpinene	173.4	169.0	42		552
14602	$C_{10}H_{16}$	γ-Terpinene	183	171.0	75		552
14603	$C_{10}H_{18}O$	Cineole	176.35	172.0	55		552
A =	**$C_8H_{16}O_2$**	**Butyl Butyrate**	**166.4**				
14604	$C_8H_{16}O_2$	Ethyl caproate	167.7	Nonazeotrope			575
14605	$C_8H_{16}O_2$	Isoamyl propionate	160.7	Nonazeotrope			575
14606	$C_8H_{16}O_2$	Isobutyl butyrate	156.9	Nonazeotrope			575
14607	$C_8H_{20}SiO_4$	Ethyl silicate	168.8	Nonazeotrope			549
14608	C_9H_8	Indene	182.6	Nonazeotrope			575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_8H_{16}O_2$**	**Butyl Butyrate** *(continued)*	**166.4**			
14609	C_9H_{12}	Mesitylene	164.6	Nonazeotrope		546
14610	C_9H_{12}	Propylbenzene	159.3	Nonazeotrope		575
14611	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	Nonazeotrope		552
14612	$C_9H_{18}O_2$	Isoamyl isobutyrate	169.8	Nonazeotrope		575
14613	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	Nonazeotrope		575
14614	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		575
14615	$C_{10}H_{16}$	Camphene	159.6	158.0	30	562
14616	$C_{10}H_{16}$	*d*-Limonene	177.9	Nonazeotrope		546
14617	$C_{10}H_{16}$	Nopinene	163.8	160.5	40	562
14618	$C_{10}H_{16}$	α-Pinene	155.8	<155.0	<20	575
		"	155.8	Nonazeotrope		546
14619	$C_{10}H_{16}$	α-Terpinene	173.4	<165.0	<74	575
14620	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope		557
14621	$C_{10}H_{22}O$	Isoamyl ether	173.4	Nonazeotrope		557
A =	**$C_8H_{16}O_2$**	**Caprylic Acid**	**238.5**			
14622	$C_9H_{10}O$	*p*-Methylacetophenone	226.35	Nonazeotrope		575
14623	$C_{10}H_7Cl$	1-Chloronaphthalene	262.7	Nonazeotrope		575
		"	262.7	237.0		543
14624	$C_{10}H_8$	Naphthalene	218.05	216.2	6	541
14625	$C_{10}H_{10}O_2$	Safrole	235.9	232.5	~ 45	541
14626	$C_{10}H_{12}O$	Anethole	235.7	<234.0	>35	562
14627	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.75	Nonazeotrope		575
14628	$C_{10}H_{14}O$	Carvacrol	237.85	237.6	25	575
14629	$C_{10}H_{14}O$	Thymol	232.9	<232.8		575
14630	$C_{10}H_{21}NO$	*N,N*-Dimethyloctanamide, 100 mm.	187	190	26.0	832
14631	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	233.5	52	542
14632	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	235.0	48	527
14633	$C_{11}H_{16}O$	Methyl thymol ether	216.5	Nonazeotrope		575
14634	$C_{11}H_{20}O$	Methyl α-terpineol ether	216.2	Nonazeotrope		543
14635	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	<231.8	>10	575
14636	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	~ 214.3	4	541
14637	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope		575
A =	**$C_8H_{16}O_2$**	**1-3-Dimethylbutyl Acetate**	**146.1**			
14638	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	169.4	Nonazeotrope		981
A =	**$C_8H_{16}O_2$**	**Ethyl Caproate**	**167.7**			
14639	$C_8H_{18}S$	Isobutyl sulfide	172.0	Nonazeotrope		575
14640	C_9H_{12}	Mesitylene	164.6	Nonazeotrope		575
14641	C_9H_{12}	Propylbenzene	158.9	Nonazeotrope		546
14642	C_9H_{12}	Pseudocumene	168.2	167.6		546
14643	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	167.5	60	552
14644	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	Nonazeotrope		575
14645	$C_{10}H_{16}$	Camphene	158	159	15	546
14646	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope		546
14647	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope		575
14648	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope		557

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_8H_{16}O_2$**	**Ethyl Caproate** *(continued)*	**167.7**			
14649	$C_{10}H_{22}O$	Isoamyl ether	173.2	Nonazeotrope		557
A =	**$C_8H_{16}O_2$**	**2-Ethylhexanoic Acid**	**227**			
14650	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	<50		270
A =	**$C_8H_{16}O_2$**	**Hexyl Acetate**	**171.5**			
14651	$C_8H_{18}O$	*sec*-Octyl alcohol	180.4	Nonazeotrope		575
14652	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	Nonazeotrope		575
14653	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope		557
14654	$C_{10}H_{22}O$	Isoamyl ether	173.4	~ 171.2	>80	557
A =	**$C_8H_{16}O_2$**	**Isoamyl Propionate**	**160.7**			
14655	$C_8H_{16}O_2$	Isobutyl butyrate	156.9	Nonazeotrope		575
14656	$C_8H_{16}O_2$	Propyl isovalerate	155.7	Nonazeotrope		575
14657	$C_8H_{18}O$	*sec*-Octyl alcohol	180	Nonazeotrope		536
14658	$C_8H_{18}S$	Isobutyl suflide	172.0	Nonazeotrope		575
14659	$C_8H_{20}SiO_4$	Ethyl silicate	168.8	Nonazeotrope		575
14660	C_9H_{12}	Mesitylene	164.0	Nonazeotrope		546
14661	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	Nonazeotrope		552
14662	$C_9H_{20}O_2$	Diisobutoxymethane	163.8	Nonazeotrope		557
14663	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		575
14664	$C_{10}H_{16}$	Camphene	159.6	155.5	46	570
		"	~158	~ 155.5	<50	563
14665	$C_{10}H_{16}$	Nopinene	163.8	157.0	57	562
14666	$C_{10}H_{16}$	α-Pinene	155.8	154	~ 25	563
14667	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope		557
14668	$C_{10}H_{22}$	2,7-Dimethyloctane	160.25	157	~49	563
14669	$C_{10}H_{22}O$	Isoamyl ether	173.2	Nonazeotrope		557
A =	**$C_8H_{16}O_2$**	**Isobutyl Butyrate**	**156.9**			
14670	$C_8H_{20}SiO_4$	Ethyl silicate	168.8	Nonazeotrope		575
14671	C_9H_{12}	Mesitylene	164.6	Nonazeotrope		573
14672	$C_{10}H_{16}$	Nopinene	163.8	<155.4	<75	575
14673	$C_{10}H_{16}$	α-Pinene	155.8	<153.0	<50	546
14674	$C_{10}H_{16}$	α-Terpinene	173.3	Nonazeotrope		546
A =	**$C_8H_{16}O_2$**	**Isobutyl Isobutyrate**	**148.6**			
14675	$C_8H_{18}O$	Butyl ether	142.4	Nonazeotrope		557
14676	C_9H_{12}	Cumene	152.8	Nonazeotrope		575
14677	$C_{10}H_{16}$	Camphene	158	153	63	546
14678	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope		546
A =	**$C_8H_{16}O_2$**	**Propyl Isovalerate**	**155.7**			
14679	$C_8H_{18}O$	Butyl ether	142.4	Nonazeotrope		557
14680	$C_8H_{20}SiO_4$	Ethyl silicate	168.8	Nonazeotrope		575
14681	C_9H_{12}	Cumene	152.8	Nonazeotrope		575
14682	C_9H_{12}	Mesitylene	164.6	Nonazeotrope		573
14683	C_9H_{12}	Propylbenzene	158.9	Nonazeotrope		546
14684	$C_9H_{20}O_2$	Diisobutoxymethane	163.8	Nonazeotrope		557
14685	$C_{10}H_{16}$	Camphene	159.6	145	65	545

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	B-Component			Azeotropic Data			
No.	Formula	Name	B.P., °C	B.P., °C	Wt.%A		Ref.
A =	**$C_8H_{16}O_2$**	**Propyl Isovalerate *(continued)***	**155.7**				
14686	$C_{10}H_{16}$	Nopinene	163.8	155.0	75		562
14687	$C_{10}H_{16}$	α-Pinene	155.8	144.0	53		545
14688	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope			575
14689	$C_{10}H_{22}$	2,7-Dimethyloctane	160.25	152	57		573
A =	**$C_8H_{16}O_3$**	**Isoamyl Lactate**	**202.4**				
14690	$C_8H_{18}O$	Octyl alcohol	195.2	Nonazeotrope			575
14691	$C_9H_{14}O$	Phorone	197.8	Nonazeotrope			552
14692	$C_{10}H_8$	Naphthalene	218.05	Nonazeotrope			538
14693	$C_{10}H_{14}O$	Carvacrol	237.85	Nonazeotrope			575
14694	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope			542
14695	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope			552
14696	$C_{10}H_{17}Cl$	Bornyl chloride	207.2	201.8			575
14697	$C_{10}H_{18}O$	Citnonellal	208.0	<202.2			575
14698	$C_{10}H_{18}O$	Linalool	198.6	<198.5			575
14699	$C_{10}H_{20}O_2$	Ethyl caprylate	208.35	<202.2			575
14700	$C_{10}H_{22}S$	Isoamyl sulfide	214.8	Nonazeotrope			565
14701	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope			576
A =	**$C_8H_{16}O_4$**	**2-(2-Ethoxyethoxy) Ethyl Acetate**	**218.5**				
14702	$C_9H_{18}O$	*p*-Methylacetophenone	226.35	Nonazeotrope			575
14703	$C_9H_{10}O_2$	Benzyl acetate	215.0	<214.8	>9		575
14704	$C_9H_{10}O_2$	Ethyl benzoate	212.5	212.3	8		575
14705	$C_9H_{12}O$	3-Phenylpropanol	235.6	Nonazeotrope			575
14706	$C_{10}H_{18}O$	Borneol	215	Nonazeotrope			575
14707	$C_{10}H_{18}O$	Geraniol	229.6	Nonazeotrope			575
14708	$C_{10}H_{18}O$	α-Terpineol	218.85	<218.0	<53		575
14709	$C_{10}H_{20}O$	Citronellol	224.4	Nonazeotrope			575
14710	$C_{10}H_{20}O_2$	Ethyl caprylate	208.35	Nonazeotrope			575
14711	$C_{10}H_{22}O$	Decyl alcohol	232.8	Nonazeotrope			575
14712	$C_{11}H_{10}$	2-Methyl naphthalene	241.15	Nonazeotrope			270
14713	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope			575
A =	**$C_8H_{17}Cl$**	**3-(Chloromethyl) heptane**	**106.9/100 mm.**				
14714	$C_8H_{18}O$	2-Ethyl-1-hexanol, 100 mm.	124.8	106	98		982
A =	**C_8H_{18}**	***n*-Octane**	**125.4**				
14715	C_8H_{18}	2,2,4-Trimethylpentane	99.2	Nonazeotrope		v-l	86
14716	$C_8H_{18}O$	Isobutyl ether	122.3	122.0	90		558
		"	122.2	Nonazeotrope?			548
A =	**$C_8H_{18}Cl_2Sn$**	**Dibutyltin Dichloride**	**157/17**				
14717	$C_{12}H_{27}ClSn$	Tributyltin chloride, 17 mm.	166	Nonazeotrope			981
A =	**$C_8H_{18}O$**	**Butyl Ether**	**142.1**				
14718	$C_8H_{18}O$	2-Ethyl-1-hexanol	184.8	Nonazeotrope			981
14719	C_9H_{12}	Cumene	152.8	Nonazeotrope			558

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_8H_{18}O$**	**Butyl Ether** *(continued)*	**142.1**			
14720	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope		558
A =	**$C_8H_{18}O$**	**2-Ethyl-1-hexanol**	**184.8**			
14721	C_9H_{20}	Nonane	150.8	Nonazeotrope		981
14722	$C_{10}H_{20}O_2$	2-Ethylhexyl acetate	198.4	Nonazeotrope		981
14723	$C_{11}H_{20}O_2$	2-Ethylhexyl acrylate			>85	999
14724	$C_{11}H_{25}N$	(2-Ethylhexyl) propylamine, 50 mm.	147	Nonazeotrope		981
A =	**$C_8H_{18}O$**	**Isobutyl Ether**	**122.3**			
14725	$C_8H_{19}N$	Diisobutylamine	138.5	Nonazeotrope		551
A =	**$C_8H_{18}O$**	**Octyl Alcohol**	**195.15**			
14726	C_9H_8	Indene	182.6	182.4	12	527
14727	$C_9H_{10}O_2$	Ethyl benzoate	212.6	Nonazeotrope		536
14728	C_9H_{12}	Mesitylene	164.6	Nonazeotrope		575
14729	C_9H_{12}	Propylbenzene	159.3	Nonazeotrope		575
14730	$C_9H_{12}O$	Benzyl ethyl ether	185.0	Nonazeotrope		545
14731	$C_9H_{12}O$	Phenyl propyl ether	190.2	190.0		538
14732	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	184.8	20	551
14733	$C_9H_{14}O$	Phorone	197.8	<193.5	<80	552
		"	197.8	Nonazeotrope		548
14734	$C_9H_{18}O_2$	Ethyl enanthate	188.7	Nonazeotrope		575
14735	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	~ 189.5	20	536
14736	$C_{10}H_8$	Naphthalene	218.05	Nonazeotrope		537
14737	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		537
14738	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		575
14739	$C_{10}H_{15}N$	Diethylaniline	217.05	Nonazeotrope		531
14740	$C_{10}H_{16}$	Camphene	159.6	Nonazeotrope		575
14741	$C_{10}H_{16}$	*d*-Limonene	177.8	177.45	~ 8	529
14742	$C_{10}H_{16}$	Nopinene	163.8	Nonazeotrope		575
14743	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope		575
14744	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope		575
14745	$C_{10}H_{16}$	γ-Terpinene	183	182.5	>10	575
14746	$C_{10}H_{16}$	Thymene	179.7	179.6	~ 7	530
14747	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope		552
14748	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope		556
14749	$C_{10}H_{18}O$	Citronellal	208.0	Nonazeotrope		575
14750	$C_{10}H_{18}O$	Linalool	198.7	Nonazeotrope		528
14751	$C_{10}H_{18}O$	Menthone	209.5	Nonazeotrope		552
14752	$C_{10}H_{20}O$	Octyl vinyl ether 5 mm	64	64	17	1008
14753	$C_{10}H_{20}O_2$	Ethyl caprylate	208.35	Nonazeotrope		575
14754	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	192.55	15	564
14755	$C_{10}H_{22}O$	Isoamyl ether	173.2	Nonazeotrope		556
14756	$C_{10}H_{22}S$	Isoamyl sulfide	214.8	Nonazeotrope		566
14757	$C_{11}H_{20}O$	Isobornyl methyl ether	192.2	191.9	30	556
A =	**$C_8H_{18}O$**	***sec*-Octyl Alcohol**	**179.0**			
14758	C_9H_8	Indene	181.7	176	~ 60	537

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_8H_{18}O$**	***sec*-Octyl Alcohol *(continued)***	**179.0**				
14759	C_9H_{12}	Cumene	152.8	Nonazeotrope			575
14760	C_9H_{12}	Mesitylene	164.6	Nonazeotrope			541
14761	C_9H_{12}	Propylbenzene	159.3	Nonazeotrope			575
14762	$C_9H_{12}O$	Benzyl ethyl ether	185.0	180.0			545
14763	$C_9H_{12}O$	Phenyl propyl ether	190.2	Nonazeotrope			576
14764	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	179.0	70		551
14765	$C_9H_{13}N$	*N,N*-Dimethyl-*p*-toluidine	210.2	Nonazeotrope			551
14766	$C_9H_{18}O_2$	Butyl isovalerate	177.6	177.4	11		575
14767	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	180.3	72		564
14768	$C_9H_{18}O_2$	Isoamyl isobutyrate	169.8	Nonazeotrope			575
14769	$C_9H_{18}O_2$	Isobutyl isovalerate	168.7	Nonazeotrope			536
14770	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	<180.0			575
		"	190.3	Nonazeotrope			536
14771	$C_{10}H_{14}$	Butylbenzene	183.1	178.2	50		567
14772	$C_{10}H_{14}$	Cymene	176.7	174	44		537
14773	$C_{10}H_{15}N$	Diethylaniline	217.05	Nonazeotrope			551
14774	$C_{10}H_{16}$	Camphene	159.6	159.55?			537
14775	$C_{10}H_{16}$	*d*-Limonene	177.8	174.5	~ 45		537
14776	$C_{10}H_{16}$	Nopinene	163.8	163.5	~ 5		575
14777	$C_{10}H_{16}$	α-Phellandrene	171.5	~ 170			563
14778	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope			563
14779	$C_{10}H_{16}$	α-Terpinene	173.4	171.8	27		567
14780	$C_{10}H_{16}$	Terpinene	180.5	~ 175.5			563
14781	$C_{10}H_{16}$	Terpinolene	184.6	179.0	57		567
14782	$C_{10}H_{16}$	Thymene	179.7	176	52		537
14783	$C_{10}H_{18}O$	Cineole	176.35	175.85	26.5		572
14784	$C_{10}H_{22}$	2,7-Dimethyloctane	160.1	Nonazeotrope			575
14785	$C_{10}H_{22}O$	Amyl ether	187.5	179.8	86		556
14786	$C_{10}H_{22}O$	Isoamyl ether	173.2	172.65	17		527
		"	173.4	Nonazeotrope			576
A =	**$C_8H_{18}OS$**	**2-Hexylthioethanol**					
14787	$C_{10}H_{20}OS$	2-Hexylthioethyl vinyl ether		Min. b.p.			953
A =	**$C_8H_{18}O_2$**	**2-Ethyl-1,3-hexanediol**	**243.1**				
14788	$C_{16}H_{34}O$	Bis(2-ethylhexyl)ether, 10 mm.	135	123	40		982
		"	269.8	241			982
A =	**$C_8H_{18}O_3$**	**Bis(2-ethoxyethyl) Ether**	**186.0**				
14789	C_9H_8	Indene	182.5	Nonazeotrope			558
14790	$C_{10}H_{16}$	Dipentene	177.7	Nonazeotrope			558
A =	**$C_8H_{18}O_3$**	**2-(2-Butoxyethoxy) Ethanol**	**231.2**				
14791	C_9H_7N	Quinoline	237.3	<229.5	>56		553
14792	$C_9H_{10}O$	Cinnamyl alcohol	257.0	Nonazeotrope			575
14793	$C_9H_{10}O_3$	Ethyl salicylate	233.8	225.2	54		575
14794	$C_{10}H_7Cl$	1-Chloronaphthalene	262.7	Nonazeotrope			575
14795	$C_{10}H_8$	Naphthalene, 100 mm	144.35	Nonazeotrope		v-l	404

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.% A		Ref.
A =	**$C_8H_{18}O_3$**	**2-(2-Butoxyethoxy) Ethanol** *(continued)*	**231.2**				
14796	$C_{10}H_9N$	Quinaldine	246.5	Nonazeotrope			575
14797	$C_{10}H_{18}O$	Geraniol	229.6	<228.5			575
14798	$C_{10}H_{22}O$	Decyl alcohol	232.8	<230.5	<85		575
14799	$C_{11}H_{10}$	1-Methylnaphthalene, 20 mm.			46.8		270
		" 100 mm.			64.3		270
		" 200 mm.			74		270
14800	$C_{11}H_{10}$	2-Methylnaphthalene 20 mm.			38		270
		" 100 mm.			53.5		270
		"	241.15		82		270
14801	$C_{12}H_{26}$	Dodecane, 100 mm.	146.2	142.6	34	v-l	404
14802	$C_{15}H_{30}$	1-Pentadecene, 217 mm.	183.7	185.16	87 vol. %		826
A =	**$C_8H_{18}S$**	**Butyl Sulfide**	**185.0**				
14803	C_9H_{12}	Mesitylene	164.6	Nonazeotrope			566
14804	$C_9H_{12}O$	Benzyl ethyl ether	185.0	<184.2	>53		566
14805	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	Nonazeotrope			566
14806	$C_9H_{18}O_2$	Butyl isovalerate	177.6	Nonazeotrope			566
14807	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	Nonazeotrope			566
14808	$C_{10}H_{14}$	Butylbenzene	183.1	182.0	40		566
14809	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope			566
14810	$C_{10}H_{22}O$	Isoamyl ether	173.2	Nonazeotrope			566
A =	**$C_8H_{18}S$**	**Isobutyl Sulfide**	**172.0**				
14811	C_9H_{12}	Mesitylene	164.6	Nonazeotrope			566
14812	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	168.0	<167.2			566
14813	$C_{10}H_{16}$	Camphene	159.6	Nonazeotrope			566
14814	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope			566
14815	$C_{10}H_{22}O$	Isoamyl ether	172.6	171.0	62		555
A =	**$C_8H_{20}SiO_4$**	**Ethyl Silicate**	**168.8**				
14816	$C_9H_{18}O_2$	Butyl isovalerate	177.6	Nonazeotrope			575
14817	$C_9H_{18}O_2$	Isoamyl isobutyrate	169.8	168.2			575
14818	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	168.75	93		549
14819	$C_{10}H_{16}$	Camphene	~158	~ 150	~ 37		563
14820	$C_{10}H_{16}$	α-Pinene	155.8	<149	<35		563
14821	$C_{10}H_{22}O$	Isoamyl ether	173.2	<165.5			557
A =	**$C_9F_{21}N$**	**Tris(perfluoropropyl)amine**	**130**				
14822	C_9H_{12}	Cumene	152	116			160
A =	**$C_9H_6N_2O_2$**	**2,4-Tolylene Diisocyanate**					
14823	$C_9H_6N_2O_2$	2,6-Tolylene diisocyanate, 5-60 mm.		Nonazeotrope		v-l	166
A =	**C_9H_7N**	**Isoquinoline**	**243.2**				
14824	C_9H_7N	Quinoline	237.6	Nonazeotrope		v-l	610
14825	$C_{10}H_9N$	Quinaldine	247.7	Nonazeotrope		v-l	610
14826	$C_{11}H_{10}$	2-Methylnaphthalene	241.15		<50		270

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**C_9H_7N**	**Quinoline**	**237.3**			
14827	$C_9H_{10}O$	*p*-Methylacetophenone	226.35	Nonazeotrope		575
14828	$C_9H_{10}O_3$	Ethyl salicylate	233.8	Nonazeotrope		553
14829	$C_9H_{12}O$	Mesitol	220.5	240.4	85	575
14830	$C_9H_{12}O_2$	2-Benzyloxyethanol	265.2	Nonazeotrope		553
14831	$C_{10}H_8$	Naphthalene	218	Nonazeotrope		553
14832	$C_{10}H_{10}O_2$	Isosafrole	252.0	Nonazeotrope		553
14833	$C_{10}H_{10}O_2$	Safrole	235.9	235.15	27	553
14834	$C_{10}H_{12}O$	Anethole	235.7	234.7	30	553
14835	$C_{10}H_{12}O_2$	Eugenol	254.8	Nonazeotrope		575
14836	$C_{10}H_{14}O$	Carvacrol	237.85	244.3	48	575
14837	$C_{10}H_{14}O$	Thymol	232.9	243.1	55	564
14838	$C_{10}H_{14}O_2$	*m*-Diethoxybenzene	235.4	235.0	22	575
14839	$C_{10}H_{18}O$	α-Terpineol	218.85	Nonazeotrope		575
14840	$C_{10}H_{20}O$	Menthol	216.3	Nonazeotrope		553
14841	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	Nonazeotrope		553
14842	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	237.25	93	553
		"		237.25	93	527
		"	241.15		>50	270
14843	$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethylbenzene	254.7	Nonazeotrope		575
14844	$C_{11}H_{16}O$	Methyl thymyl ether	216.5	Nonazeotrope		575
14845	$C_{11}H_{16}O$	*p-tert*-Amylphenol	266.5	267.5	6	575
14846	$C_{11}H_{20}O$	Methyl α-terpineol ether	216.2	Nonazeotrope		575
14847	$C_{12}H_{10}$	Biphenyl	256.1	Nonazeotrope		553
14848	$C_{12}H_{16}O_3$	Isoamyl salicylate	277.5	Nonazeotrope		553
A =	**C_9H_8**	**Indene**	**182.6**			
14849	$C_9H_{12}O$	Benzyl ethyl ether	185.0	Nonazeotrope		558
14850	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	Nonazeotrope		551
14851	$C_9H_{14}O$	Phorone	197.8	Nonazeotrope		548
14852	$C_9H_{18}O_2$	Ethyl enanthate	188.7	Nonazeotrope		575
14853	$C_9H_{18}O_2$	Isoamyl butyrate	178.5	178.0		546
14854	$C_9H_{18}O_2$	Isobutyl isovalerate	171.35	Nonazeotrope		541
14855	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	Nonazeotrope		575
14856	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		561
14857	$C_{10}H_{16}$	Dipentene	177.7	Nonazeotrope		575
14858	$C_{10}H_{16}$	Limonene	177.7	Nonazeotrope		561
14859	$C_{10}H_{18}O$	Borneol	215	Nonazeotrope		575
14860	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope		558
14861	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		575
14862	$C_{10}H_{18}O$	β-Terpineol	210.5	Nonazeotrope		575
14863	$C_{10}H_{20}O$	Menthol	216.3	Nonazeotrope		575
14864	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope		546
14865	$C_{10}H_{22}O$	Amyl ether	187.5	Nonazeotrope		558
14866	$C_{10}H_{22}O$	Isoamyl ether	173.2	Nonazeotrope		558
14867	$C_{10}H_{23}N$	Diisoamylamine	188.2	Nonazeotrope		551
A =	**C_9H_8O**	**Cinnamaldehyde**	**253.5**			
14868	$C_9H_{10}O$	Cinnamyl alcohol	257.0	< 252.3		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**C_9H_8O**	**Cinnamaldehyde** *(continued)*	**253.5**			
14869	$C_9H_{12}O$	3-Phenylpropanol	235.6	Nonazeotrope		575
14870	$C_{10}H_7Cl$	1-Chloronaphthalene	262.7	Nonazeotrope		545
14871	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		575
14872	$C_{10}H_{10}O_2$	Isosafrole	252.0	251.3	23	556
14873	$C_{10}H_{10}O_2$	Methyl cinnamate	261.9	Nonazeotrope		545
14874	$C_{10}H_{10}O_2$	Safrole	235.9	Nonazeotrope		548
14875	$C_{10}H_{12}O$	Anethole	235.7	Nonazeotrope		575
14876	$C_{10}H_{12}O_2$	Isoeugenol	268.8	Nonazeotrope		575
14877	$C_{10}H_{14}O$	Carvacrol	237.85	Nonazeotrope		575
14878	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		575
14879	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	Nonazeotrope		575
		"	244.6	~ 244.4	~ 5	538
14880	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		527
14881	$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethoxybenzene	255.0	253.0	80?	538
14882	$C_{11}H_{14}O_2$	Butyl benzoate	249.5	Nonazeotrope		548
14883	$C_{11}H_{14}O_2$	1,2-Dimethoxy-4-propenylbenzene	270.5	Nonazeotrope		575
14884	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	Nonazeotrope		548
14885	$C_{12}H_{10}$	Acenaphthene	277.9	Nonazeotrope		575
14886	$C_{12}H_{10}$	Biphenyl	255.0	~ 250.0	~ 40	548
14887	$C_{12}H_{10}O$	Phenyl ether	259.0	253.0	65	556
14888	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.0	Nonazeotrope		548
14889	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		575
14890	$C_{13}H_{12}$	Diphenylmethane	265.4	Nonazeotrope		548
A =	**C_9H_9N**	**2-Methylindole**	**268**			
14891	$C_{11}H_{16}O$	*p-tert*-Amylphenol	266.5	272.0	56	575
A =	**C_9H_{10}**	**Vinyltoluene**				
14892	C_9H_{12}	Ethyltoluene 60 mm.		Nonazeotrope	v-l	302
		" 30 mm.		Nonazeotrope	v-l	302
		" 15 mm.		Nonazeotrope	v-l	302
A =	**$C_9H_{10}O$**	**Cinnamyl Alcohol**	**257.0**			
14893	$C_9H_{12}O_2$	2-Benzyloxyethanol	265.2	Nonazeotrope		575
14894	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		575
14895	$C_{10}H_{10}O_2$	Isosafrole	252.0	< 251.6		575
14896	$C_{10}H_{10}O_2$	Methyl cinnamate	261.9	Nonazeotrope		575
14897	$C_{10}H_{10}O_2$	Safrole	235.9	Nonazeotrope		575
14898	$C_{10}H_{12}O_2$	Isoeugenol	268.8	Nonazeotrope		575
14899	$C_{10}H_{14}O$	Carvone	231.0	Nonazeotrope		552
14900	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		575
14901	$C_{10}H_{15}N$	Diethylaniline	217.05	Nonazeotrope		551
14902	$C_{10}H_{20}O_4$	2-(2-Butoxyethoxy)ethyl acetate	245.3	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_9H_{10}O$**	**Cinnamyl Alcohol** *(continued)*	**257.0**			
14903	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	< 244.3	>12	575
14904	$C_{11}H_{12}O_2$	Ethyl cinnamate	272.0	Nonazeotrope		575
14905	$C_{11}H_{14}O_2$	Butyl benzoate	249.0	Nonazeotrope		575
14906	$C_{11}H_{14}O_2$	Ethyl β-phenylpropionate	248.1	Nonazeotrope		575
14907	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	Nonazeotrope		575
14908	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	Nonazeotrope		575
14909	$C_{12}H_{10}$	Acenaphthene	277.9	Nonazeotrope		575
14910	$C_{12}H_{10}$	Biphenyl	256.1	253.0	~ 45	575
14911	$C_{12}H_{10}O$	Phenyl ether	259.0	< 256.0		575
14912	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.0	Nonazeotrope		575
14913	$C_{12}H_{22}O_4$	Isoamyl oxalate	268.0	< 256.7		575
14914	$C_{13}H_{12}$	Diphenylmethane	265.4	< 256.2	>62	575
14915	$C_{13}H_{28}$	Tridecane	234.0	Nonazeotrope		575
A =	**$C_9H_{10}O$**	***p*-Methylacetophenone**	**226.35**			
14916	$C_9H_{10}O_3$	Ethyl salicylate	233.8	Nonazeotrope		552
14917	$C_9H_{12}O$	3-Phenylpropanol	235.6	Nonazeotrope		552
14918	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		552
14919	$C_{10}H_{10}O_2$	Safrole	235.9	Nonazeotrope		552
14920	$C_{10}H_{12}O$	Anethole	235.7	Nonazeotrope		552
14921	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.75	226.2	75	552
14922	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	Nonazeotrope		552
14923	$C_{10}H_{14}O$	Thymol	232.9	234.9	32	552
14924	$C_{10}H_{14}O_2$	*m*-Diethoxybenzene	235	Nonazeotrope		537
14925	$C_{10}H_{15}N$	Diethylaniline	217.05	Nonazeotrope		551
14926	$C_{10}H_{18}O$	Geraniol	229.6	226.25	95	552
14927	$C_{10}H_{18}$	α-Terpineol	218.85	Nonazeotrope		552
14928	$C_{10}H_{20}O$	Citronellol	224.4	223.7	32	552
14929	$C_{10}H_{20}O$	Menthol	216.4	Nonazeotrope		535
14930	$C_{10}H_{22}O$	Decyl alcohol	232.8	Nonazeotrope		552
14931	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		527
14932	$C_{11}H_{20}O$	Methyl terpenyl ether	216.2	Nonazeotrope		552
14933	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	Nonazeotrope		552
14934	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	225.8	60	552
A =	**$C_9H_{10}O$**	**Propiophenone**	**217.7**			
14935	$C_9H_{10}O_2$	Benzyl acetate	215.0	Nonazeotrope		552
14936	$C_9H_{10}O_2$	Ethyl benzoate	212.5	Nonazeotrope		552
14937	$C_9H_{13}N$	*N,N*-Dimethyl-*p*-toluidine	210.2	Nonazeotrope		575
14938	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		552
14939	$C_{10}H_{14}O$	Carvacrol	237.85	Nonazeotrope		575
14940	$C_{10}H_{14}O$	Thymol	232.9	> 233.2	>13	552
14941	$C_{10}H_{15}N$	Diethylaniline	217.05	< 216.6	<47	551
14942	$C_{10}H_{18}O$	Borneol	215.0	Nonazeotrope		552
14943	$C_{10}H_{20}O_2$	Methyl pelargonate	213.8	Nonazeotrope		552
14944	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	215.4	25	552
14945	$C_{20}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope		552

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_9H_{10}O_2$**	**Benzyl Acetate**	**214.9**			
14946	$C_9H_{10}O_2$	Ethyl benzoate	212.4	212.35	2	529
		"	212.5	Nonazeotrope		549
14947	$C_{10}H_8$	Naphthalene	218.05	214.65	~ 72	529
14948	$C_{10}H_{14}O$	Thymol	232.8	Nonazeotrope		531
14949	$C_{10}H_{16}$	γ-Terpinene	179.7	Nonazeotrope		546
14950	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope		552
14951	$C_{10}H_{16}O$	Pulegone	223.8	Nonazeotrope		552
14952	$C_{10}H_{17}Cl$	Bornyl chloride	207.5	Nonazeotrope		575
14953	$C_{10}H_{18}O$	Borneol	213.2	212.8	~ 36	529
14954	$C_{10}H_{18}O$	Citronellal	208.0	Nonazeotrope		575
14955	$C_{10}H_{18}O$	α-Terpineol	217.8	214.5	~ 65	529
14956	$C_{10}H_{18}O$	β-Terpineol	210.5	210.2	22	575
14957	$C_{10}H_{20}O$	Citronellol	224.4	Nonazeotrope		575
14958	$C_{10}H_{20}O$	Menthol	216.4	~ 213.5	73.5	529
14959	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		527
14960	$C_{11}H_{20}O$	Methyl α-terpineol ether	216.2	214.7	72	557
14961	$C_{11}H_{24}O_2$	Diisoamyloxymethane	207.5	Nonazeotrope		557
14962	$C_{12}H_{18}$	1,3,5-Triethylbenzene	216	214.5	50	546
A =	**$C_9H_{10}O_2$**	**Ethyl Benzoate**	**212.4**			
14963	$C_9H_{10}O_2$	Methyl α-toluate	215.3	Nonazeotrope		549
14964	$C_{10}H_8$	Naphthalene	218.05	Nonazeotrope		563
14965	$C_{10}H_{12}O$	Estragol	215.6	Nonazeotrope		557
14966	$C_{10}H_{14}O$	Thymol	232.8	Nonazeotrope		531
14967	$C_{10}H_{15}N$	Diethylaniline	216.1	Reacts		563
14968	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope		552
14969	$C_{10}H_{17}Cl$	Bornyl chloride	207.5	Nonazeotrope		575
		"	~210	~ 209.5		563
14970	$C_{10}H_{18}O$	Borneol	213.2	212.2	90	529
14971	$C_{10}H_{18}O$	Citronellal	~207.8	Nonazeotrope		532
14972	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		535
14973	$C_{10}H_{18}O$	α-Terpineol	218.85	Nonazeotrope		575
		"	~217.8	212.55	~ 98	536
14974	$C_{10}H_{18}O$	β-Terpineol	210.5	< 209.8	<48	575
14975	$C_{10}H_{20}O$	Menthol	216.4	212.3	95	529
14976	$C_{11}H_{20}O$	Terpineol methyl ether	216	< 212.3	<78	557
14977	$C_{11}H_{24}O_2$	Diisoamyloxymethane	210.8	< 210.6	15?	557
14978	$C_{12}H_{18}$	1,3,5-Triethylbenzene	216.0	Nonazeotrope		546
A =	**$C_9H_{10}O_2$**	**Methyl α-Toluate**	**215.3**			
14979	$C_{10}H_{16}O$	Pulegone	223.8	Nonazeotrope		552
14980	$C_{10}H_{18}O$	Borneol	215.0	< 214.3	<52	575
14981	$C_{10}H_{18}O$	α-Terpineol	218.85	< 215.0	>75	575
14982	$C_{10}H_{20}O$	Menthol	216.3	< 214.5	>63	575
A =	**$C_9H_{10}O_3$**	**Ethyl Salicylate**	**233.8**			
14983	$C_{10}H_{10}O_2$	Isosafrole	252.0	Nonazeotrope		575
14984	$C_{10}H_{10}O_2$	Safrole	235.9	233.65	88	536
		"	235.9	Nonazeotrope		556

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_9H_{10}O_3$**	**Ethyl Salicylate** *(continued)*	**233.8**				
14985	$C_{10}H_{12}O_2$	Ethyl α-toluate	234.0	Nonazeotrope			538
14986	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	Nonazeotrope			548
14987	$C_{10}H_{14}O$	Carvacrol	237.85	Nonazeotrope			575
14988	$C_{10}H_{14}O$	Carvone	231.0	Nonazeotrope			552
14989	$C_{10}H_{14}O$	Thymol	232.9	235	~ 65		536
14990	$C_{10}H_{16}O$	Pulegone	223.8	Nonazeotrope			552
14991	$C_{10}H_{18}O$	Borneol	213.4	Nonazeotrope			545
14992	$C_{10}H_{18}O$	Geraniol	229.7	228.5	40		536
14993	$C_{10}H_{18}O$	α-Ternipeol	~217.8	Nonazeotrope			536
14994	$C_{10}H_{20}O$	Citronellol	224.5	Nonazeotrope			545
14995	$C_{10}H_{20}O$	Menthol	216.4	Nonazeotrope			536
14996	$C_{10}H_{22}O$	Decyl alcohol	232.9	230.5	48		536
14997	$C_{11}H_{10}$	1-Methylnaphthalene	244.9	Nonazeotrope			536
14998	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope			527
14999	$C_{11}H_{14}O_2$	Ethyl β-phenylpropionate	248.1	Nonazeotrope			575
15000	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	Nonazeotrope			538
15001	$C_{11}H_{22}O_2$	Ethyl pelargonate	227	Nonazeotrope			575
15002	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	< 232.0	<28		575
15003	$C_{12}H_{10}$	Biphenyl	256.1	Nonazeotrope			575
15004	$C_{12}H_{10}O$	Phenyl ether, 5 mm.		Nonazeotrope		v-l	323
		" 50 mm.		Nonazeotrope		v-l	323
		" 180 mm.		Nonazeotrope		v-l	323
15005	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope			538
A =	**C_9H_{12}**	**Cumene**	**152.8**				
15006	C_9H_{20}	Nonane	149.5	148.0	23		561
15007	$C_{10}H_{16}$	α-Pinene	155.8	151.8	80		561
15008	$C_{12}F_{27}N$	Tris(perfluorobutyl) amine	177	138			160
A =	**C_9H_{12}**	**Mesitylene**	**164.6**				
15009	C_9H_{12}	Propylbenzene	159.3	Nonazeotrope			561
15010	C_9H_{12}	Pseudocumene	169.0	Nonazeotrope			266,563
15011	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	Nonazeotrope			551
15012	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	Nonazeotrope			575
15013	$C_9H_{18}O_2$	Isoamyl isobutyrate	169.8	Nonazeotrope			575
15014	$C_9H_{18}O_2$	Isobutyl isovalerate	168.7	163			563
		"	168.7	Nonazeotrope			546
15015	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	Nonazeotrope			575
15016	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope			561
15017	$C_{10}H_{16}$	Camphene	159.6	Nonazeotrope			561
15018	$C_{10}H_{16}$	Nopinene	163.8	162.7	40		561
15019	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope			561
15020	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope			561
15021	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope			540
15022	$C_{10}H_{22}$	2,7-Dimethyloctane	160.1	158.6	28		561
15023	$C_{10}H_{22}O$	Isoamyl ether	173.4	Nonazeotrope			548

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**C_9H_{12}**	**Propylbenzene**	**159**			
15024	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	Nonazeotrope		575
15025	$C_{10}H_{16}$	Camphene	159.6	158.0	47	561
15026	$C_{10}H_{16}$	Nopinene	163.8	< 159.0	>85	561
15027	$C_{10}H_{16}$	α-Pinene	155.8	155.0	17	561
A =	**C_9H_{12}**	**Pseudocumene**	**168.2**			
15028	$C_9H_{13}N$	*N,N*-Dimethyl-*o*-toluidine	185.3	Nonazeotrope		551
15029	$C_9H_{18}O_2$	Isobutyl isovalerate	171.35	Nonazeotrope		541
		"	168.7	< 166.5	~ 49	563
15030	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		561
15031	$C_{10}H_{18}$	Menthene	170.8	167.5	>85	561
15032	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope		558
15033	$C_{10}H_{22}$	Decane	173.3	166.5	75	561
15034	$C_{10}H_{22}O$	Isoamyl ether	173.2	Nonazeotrope		558
A =	**$C_9H_{12}O$**	**Benzyl Ethyl Ether**	**185.0**			
15035	$C_9H_{18}O_2$	Butyl isovalerate	177.6	Nonazeotrope		557
15036	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	Nonazeotrope		557
15037	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		558
15038	$C_{10}H_{16}$	Dipentene	177.7	Nonazeotrope		558
15039	$C_{10}H_{16}O$	Fenchone	193.6	Nonazeotrope		575
15040	$C_{10}H_{18}O$	Citronellal	208.0	Nonazeotrope		575
15041	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		575
15042	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope		557
A =	**$C_9H_{12}O$**	**Mesitol**	**230.5**			
15043	$C_{10}H_8$	Naphthalene	218.0	215.5	37	562
15044	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	213.0	30	562
A =	**$C_9H_{12}O$**	**3-Phenylpropanol**	**235.6**			
15045	$C_9H_{12}O_2$	2-Benzyloxyethanol	265.2	Nonazeotrope		575
15046	$C_{10}H_8$	Naphthalene	218.05	217.8	~ 20	537
15047	$C_{10}H_{10}O_2$	Isosafrole	252.0	Nonazeotrope		575
15048	$C_{10}H_{10}O_2$	Safrole	235.9	233.8	47	545
15049	$C_{10}H_{12}O$	Anethole	235.7	234.0	48	567
15050	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.75	Nonazeotrope		536
15051	$C_{10}H_{12}O_2$	Eugenol	254.8	Nonazeotrope		575
15052	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	Nonazeotrope		536
15053	$C_{10}H_{14}O$	Carvacrol	237.85	> 238.5	<42	575
15054	$C_{10}H_{14}O$	Carvone	231.0	Nonazeotrope		552
15055	$C_{10}H_{14}O$	Thymol	232.9	237.5	~ 62	542
15056	$C_{10}H_{14}O_2$	*m*-Diethoxybenzene	235.4	< 234.8	>43	575
15057	$C_{10}H_{15}N$	Diethylaniline	217.05	216.9	7	551
		"	217.05	Nonazeotrope		548
15058	$C_{10}H_{18}O$	Geraniol	229.7	Nonazeotrope		545
15059	$C_{10}H_{20}O$	Citronellol	224.4	Nonazeotrope		549
15060	$C_{10}H_{20}O_4$	2-(2-Butoxyethoxy)ethyl acetate	245.3	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_9H_{12}O$**	**3-Phenylpropanol *(continued)***	**235.6**			
15061	$C_{10}H_{22}O$	Decyl alcohol	232.9	232.0		545
15062	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	234	~ 60	541
15063	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	233.7		575
15064	$C_{11}H_{14}O_2$	Ethyl β-phenylpropionate	248.1	Nonazeotrope		575
15065	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	Nonazeotrope		535
15066	$C_{11}H_{16}O$	Methyl thymyl ether	216.5	Nonazeotrope		575
15067	$C_{11}H_{17}N$	Isoamylaniline	256.0	Nonazeotrope		551
15068	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	< 231.8	> 5	575
15069	$C_{12}H_{10}$	Biphenyl	254.9	235.4		537
15070	$C_{12}H_{16}O_3$	Isoamyl salicylate	277.5	Nonazeotrope		575
15071	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope		575
15072	$C_{13}H_{12}$	Diphenylmethane	265.6	Nonazeotrope		537
A =	**$C_9H_{12}O$**	**Phenyl Propyl Ether**	**190.5**			
15073	$C_9H_{13}N$	Dimethyl-*o*-toluidine	185.35	Nonazeotrope		575
15074	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		545
A =	**$C_9H_{12}OS$**	**2-Benzylthioethanol**				
15075	$C_{11}H_{14}OS$	2-Benzylthioethyl vinyl ether		Min. b.p.		953
A =	**$C_9H_{12}O_2$**	**2-Benzyloxyethanol**	**265.2**			
15076	$C_{10}H_7Cl$	1-Chloronaphthalene	262.7	< 261.5		575
15077	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		575
15078	$C_{10}H_{10}O_2$	Isosafrole	252.0	Nonazeotrope		575
15079	$C_{10}H_{10}O_2$	Methyl cinnamate	261.9	Nonazeotrope		575
15080	$C_{10}H_{10}O_2$	Safrole	235.9	Nonazeotrope		575
15081	$C_{10}H_{12}O_2$	Eugenol	254.8	Nonazeotrope		575
15082	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	Nonazeotrope		575
15083	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		575
15084	$C_{11}H_{12}O_2$	Ethyl cinnamate	272.0	Nonazeotrope		575
15085	$C_{11}H_{14}O_2$	Butyl benzoate	249.0	Nonazeotrope		575
15086	$C_{11}H_{14}O_2$	Ethyl β-phenylpropionate	248.1	Nonazeotrope		575
15087	$C_{12}H_{10}O$	Phenyl ether	259.0	< 258.2	>15	575
15088	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.0	261.0	~ 15	575
15089	$C_{12}H_{16}O_3$	Isoamyl salicylate	277.5	Nonazeotrope		575
15090	$C_{13}H_{12}$	Diphenylmethane	265.4	262.5	46	575
15091	$C_{14}H_{14}$	1,2-Diphenylethane	284.5	Nonazeotrope		575
A =	**$C_9H_{13}N$**	***N,N*-Dimethyl-*o*-toluidine**	**185.3**			
15092	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		551
15093	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		551
15094	$C_{10}H_{16}$	Camphene	159.6	Nonazeotrope		551
15095	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope		551
15096	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope		551
15097	$C_{10}H_{18}O$	Borneol	215.0	Nonazeotrope		551
15098	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope		551
15099	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		551
15100	$C_{10}H_{18}O$	β-Terpineol	210.5	Nonazeotrope		551
15101	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	Nonazeotrope		551

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_9H_{13}N$**	***N,N*-Dimethyl-*o*-toluidine *(continued)***	**185.3**			
15102	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		575
A =	**$C_9H_{13}N$**	***N,N*-Dimethyl-*p*-toluidine**	**210.2**			
15103	$C_{10}H_8$	Naphthalene	218.0	Nonazeotrope		575
15104	$C_{10}H_{18}O$	Geraniol	229.6	Nonazeotrope		551
15105	$C_{10}H_{22}O$	*n*-Decyl alcohol	232.8	Nonazeotrope		551
15106	$C_{11}H_{20}O$	Methyl α-terpineol ether	216.2	Nonazeotrope		575
15107	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		575
15108	$C_{12}H_{22}O$	Ethyl isobornyl ether	203.8	Nonazeotrope		575
A =	**$C_9H_{14}O$**	**Isophorone**	**215.2**			
15109	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		270
A =	**$C_9H_{14}O$**	**Phorone**	**197.8**			
15110	$C_9H_{18}O_2$	Methyl caprylate	192.9	Nonazeotrope		552
15111	$C_9H_{18}O_3$	Isobutyl carbonate	190.3	Nonazeotrope		552
15112	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope		575
15113	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		575
15114	$C_{10}H_{15}N$	Diethylaniline	217.05	Nonazeotrope		575
15115	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope		552
15116	$C_{10}H_{22}S$	Isoamyl sulfide	214.8	Nonazeotrope		566
15117	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	Nonazeotrope		575
15118	$C_{12}H_{22}O$	Bornyl ethyl ether	204.9	Nonazeotrope		575
A =	**C_9H_{18}**	**Propylcyclohexane**	**156.72**			
15119	$C_{12}F_{27}N$	Perfluorotributylamine	178.4	145.4	55 vol. %	609
A =	**$C_9H_{18}O$**	**2,6-Dimethyl-4-heptanone**	**168.0**			
15120	$C_9H_{18}O_2$	Isoamyl isobutyrate	169.8	Nonazeotrope		552
15121	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	Nonazeotrope		552
A =	**$C_9H_{18}O_2$**	**Butyl Isovalerate**	**177.6**			
15122	$C_9H_{18}O_2$	Isoamyl butyrate	181.05	Nonazeotrope		575
15123	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	Nonazeotrope		575
15124	$C_{10}H_{16}$	Camphene	158	Nonazeotrope		546
15125	$C_{10}H_{16}$	*d*-Limonene	177.9	176	55	546
15126	$C_{10}H_{16}$	Nopinene	164	Nonazeotrope		546
15127	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope		575
15128	$C_{10}H_{18}O$	Cineole	176.35	< 176.2	<75	557
15129	$C_{10}H_{22}O$	Amyl ether	187.5	Nonazeotrope		557
15130	$C_{10}H_{22}O$	Isoamyl ether	173.2	Nonazeotrope		557
A =	**$C_9H_{18}O_2$**	**Ethyl Enanthate**	**188.7**			
15131	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope		575
15132	$C_{10}H_{16}$	Dipentene	177.7	Nonazeotrope		575
15133	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope		575
A =	**$C_9H_{18}O_2$**	**Isoamyl Butyrate**	**181.05**			
15134	$C_9H_{18}O_2$	Isobutyl isovalerate	171.2	Nonazeotrope		575
15135	$C_{10}H_{14}$	Butylbenzene	183.2	Nonazeotrope		546
15136	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		575
		"	175.3	< 173		563

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_9H_{18}O_2$**	**Isoamyl Butyrate *(continued)***	**181.05**				
15137	$C_{10}H_{16}$	Camphene	158	Nonazeotrope			546
15138	$C_{10}H_{16}$	*d*-Limonene	177.8	~ 176.5	~ 45		528
15139	$C_{10}H_{16}$	Nopinene	163.8	Nonazeotrope			575
15140	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope			575
15141	$C_{10}H_{16}$	γ-Terpinene	179.9	177.5	57		546
15142	$C_{10}H_{16}$	Terpinolene	185	~ 177			563
		"	185.2	Nonazeotrope			546
15143	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope			557
		"	176.35	< 175.9	~ 25		572
15144	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope			536
15145	$C_{10}H_{22}O$	Amyl ether	187.5	Nonazeotrope			557
15146	$C_{10}H_{22}O$	Isoamyl ether	173.2	Nonazeotrope			557
15147	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	Nonazeotrope			557
A =	**$C_9H_{18}O_2$**	**Isoamyl Isobutyrate**	**168.8**				
15148	$C_9H_{18}O_2$	Isobutyl isovalerate	168.7	168.4?			573
15149	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope			575
15150	$C_{10}H_{16}$	Camphene	159.6	< 159.5	<22		575
15151	$C_{10}H_{16}$	Dipentene	177.7	Nonazeotrope			575
15152	$C_{10}H_{16}$	α-Pinene	155.8	< 155.6	<16		575
15153	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope			557
A =	**$C_9H_{18}O_2$**	**Isobutyl Isovalerate**	**171.2**				
15154	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope			575
15155	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope			546
15156	$C_{10}H_{16}$	Camphene	159.6	Nonazeotrope			575
15157	$C_{10}H_{16}$	*d*-Limonene	177.9	Nonazeotrope			546
15158	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope			546
15159	$C_{10}H_{16}$	α-Terpinene	173.3	170.5	65		546
15160	$C_{10}H_{16}$	γ-Terpinene	183	Nonazeotrope			575
15161	$C_{10}H_{16}$	Terpinolene	185.2	Nonazeotrope			546
15162	$C_{10}H_{18}$	*m*-Menthene-8	170.8	< 170.5	<92		575
15163	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope			557
15164	$C_{10}H_{22}$	2,7-Dimethyloctane	160.2	159	12		546
15165	$C_{10}H_{22}O$	Amyl ether	187.5	Nonazeotrope			557
15166	$C_{10}H_{22}O$	Isoamyl ether	173.2	170.95	90		557
A =	**$C_9H_{18}O_2$**	**Methyl Caprylate**	**192.9**				
15167	$C_{10}H_{14}$	Butylbenzene	183.1	Nonazeotrope			575
15168	$C_{10}H_{16}$	Dipentene	177.7	Nonazeotrope			575
15169	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	192.5	47		549
15170	$C_{11}H_{22}O_2$	Methyl caprate 20-100 mm.		Nonazeotrope		v-l	825
A =	**$C_9H_{18}O_2$**	**Pelargonic Acid**	**254.0**				
15171	$C_{10}H_7Br$	1-Bromonaphthalene	281.2	Nonazeotrope			575
15172	$C_{10}H_7Cl$	1-Chloronaphthalene	262.7	252.5	>50		575
15173	$C_{10}H_{18}$	Naphthalene	218.0	Nonazeotrope			575
15174	$C_{10}H_{10}O_2$	Isosafrole	252.0	249.5	35		556

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_9H_{18}O_2$**	**Pelargonic Acid *(continued)***	**254.0**			
15175	$C_{10}H_{10}O_2$	Safrole	235.9	Nonazeotrope		575
15176	$C_{10}H_{12}O_2$	Eugenol	254.8	250.5	52	575
15177	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		575
15178	$C_{10}H_{18}O_4$	Propyl succinate	250.5	< 249.8	20	575
15179	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	243.0	18	562
15180	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	240.2	10	527
15181	$C_{11}H_{14}O_2$	1,2-Dimethoxy-4-propenylbenzene	270.5	Nonazeotrope		575
15182	$C_{12}H_{10}$	Biphenyl	256.1	250	45	562
15183	$C_{12}H_{10}O$	Phenyl ether	259.0	250.5	55	556
15184	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		575
15185	$C_{12}H_{22}O_4$	Isoamyl oxalate	268.0	Nonazeotrope		575
15186	$C_{13}H_{12}$	Diphenylmethane	265.4	252.7	75	563
A =	**$C_9H_{18}O_3$**	**Isobutyl Carbonate**	**190.3**			
15187	$C_{10}H_{16}$	Camphene	158	Nonazeotrope		546
15188	$C_{10}H_{16}$	Dipentene	177.7	< 174.5	<33	575
15189	$C_{10}H_{16}$	*d*-Limonene	177.9	Nonazeotrope		546
15190	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope		546
15191	$C_{10}H_{18}O$	Cineole	176.35	< 176.0	>18	557
		"	176.35	Nonazeotrope		568
15192	$C_{10}H_{18}O$	Linalool	198.6	< 189.8	<96	575
		"	198.6	Nonazeotrope		535
15193	$C_{10}H_{22}O$	Isoamyl ether	173.2	< 172.5		557
15194	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	Nonazeotrope		538
A =	**C_9H_{20}**	**Nonane**	**151**			
15195	$C_{12}F_{27}N$	Perfluorotributylamine	177	Min. b.p.		159
A =	**$C_9H_{20}O$**	**2,6-Dimethyl-4-heptanol**	**104/52**			
15196	$C_{12}H_{24}$	2,6,8-Trimethylnonene, 8 mm.		56	18	981
		" 52 mm.		95	32	981
A =	**$C_9H_{20}O_4$**	**Tripropylene Glycol**				
15197	$C_{12}H_9N$	Carbazole		Nonazeotrope		272
		" Low press.		Min. b.p.		272
15198	$C_{13}H_{10}$	Fluorene, high press		Min. b.p.		272
		" Low press.		Nonazeotrope		272
15199	$C_{14}H_{10}$	Phenanthrene		Min. b.p.		272
		"		% glycol decreases with decreasing pressure		272
A =	**$C_{10}H_7Br$**	**1-Bromonaphthalene**	**281.2**			
15200	$C_{10}H_8O$	1-Naphthol	288	281		544
15201	$C_{10}H_8O$	2-Naphthol	295	Nonazeotrope		575
15202	$C_{10}H_{10}O_2$	Methyl cinnamate	261.9	Nonazeotrope		547
15203	$C_{10}H_{10}O_4$	Methyl phthalate	283.7	278.85	61	541
15204	$C_{11}H_{12}O_2$	Ethyl cinnamate	271.5	Nonazeotrope		541

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A =	**$C_{10}H_7Br$**	**1-Bromonaphthalene**	**281.2**			
		(continued)				
15205	$C_{11}H_{14}O_2$	1,2-Dimethoxy-4-propenylbenzene	270.5	Nonazeotrope		559
15206	$C_{12}H_{10}$	Acenaphthene	277.9	Nonazeotrope		542
15207	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.0	Nonazeotrope		547
15208	$C_{12}H_{16}O_3$	Isoamyl salicylate	277.5	Nonazeotrope		575
15209	$C_{12}H_{22}O_4$	Isoamyl oxalate	268.0	Nonazeotrope		542
15210	$C_{13}H_{10}$	Fluorene	295	Nonazeotrope		575
15211	$C_{13}H_{12}$	Diphenylmethane	265.4	Nonazeotrope		575
15212	$C_{13}H_{12}O$	Benzyl phenyl ether	286.5	Nonazeotrope		559
15213	$C_{14}H_{14}$	1,2-Diphenylethane	284.5	Nonazeotrope		545
A =	**$C_{10}H_7Cl$**	**1-Chloronaphthalene**	**262.7**			
15214	$C_{10}H_8O$	1-Naphthol	288	Nonazeotrope		542
15215	$C_{10}H_8O$	2-Naphthol	295	Nonazeotrope		542
15216	$C_{10}H_{10}O_2$	Isoafrole	252.0	Nonazeotrope		541
15217	$C_{10}H_{10}O_2$	Methyl cinnamate	261.9	260.7	55	542
15218	$C_{10}H_{10}O_4$	Methyl phthalate	283.7	Nonazeotrope		547
15219	$C_{10}H_{12}O_2$	Eugenol	254.8	Nonazeotrope		575
15220	$C_{10}H_{12}O_2$	Isoeugenol	268.8	< 262.4	<92	575
15221	$C_{10}H_{14}O$	Carvacrol	237.85	Nonazeotrope		575
15222	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		544
15223	$C_{10}H_{18}O_4$	Prophyl succinate	250.5	Nonazeotrope		547
15224	$C_{10}H_{20}O_2$	Capric acid	268.8	< 261.5	<88	575
15225	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	Nonazeotrope		575
15226	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		527
15227	$C_{11}H_{12}O_2$	Ethyl cinnamate	271.5	Nonazeotrope		541
15228	$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethoxybenzene	255.0	Nonazeotrope		541
15229	$C_{11}H_{14}O_2$	Butyl benzoate	249.5	Nonazeotrope		547
15230	$C_{11}H_{14}O_2$	1,2-Dimethoxy-4-propenylbenzene	270.5	Nonazeotrope		559
15231	$C_{12}H_{10}$	Acenaphthene	277.9	Nonazeotrope		575
15232	$C_{12}H_{10}$	Biphenyl	254.8	Nonazeotrope		545
15233	$C_{12}H_{10}O$	Phenyl ether	259.3	258.92	~ 6	559
15234	$C_{12}H_{16}O_2$	Isomyl benzoate	262.0	261.65	23	542
15235	$C_{12}H_{16}O_3$	Isoamyl salicylate	277.5	Nonazeotrope		575
15236	$C_{12}H_{22}O_4$	Isoamyl oxalate	268.0	262.5	~ 92	542
15237	$C_{13}H_{12}$	Diphenylmethane	265.4	262.55	93	541
A =	**$C_{10}H_8$**	**Naphthalene**	**218.05**			
15238	$C_{10}H_{10}O_2$	Safrole	235.9	Nonazeotrope		548
15239	$C_{10}H_{12}O$	Anethole	235.7	Nonazeotrope		558
15240	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.75	Nonazeotrope		529
15241	$C_{10}H_{12}O_2$	Propyl benzoate	231.2	Nonazeotrope		563
15242	$C_{10}H_{14}O$	Carvacrol	237.85	Nonazeotrope		575
15243	$C_{10}H_{14}O$	Carvone	231.0	Nonazeotrope		552
15244	$C_{10}H_{14}O$	Thymol	232.8	Nonazeotrope		530

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_{10}H_8$**	**Naphthalene *(continued)***	**218.05**				
15245	$C_{10}H_{15}N$	Diethylaniline	217.05	213			551
		"	216.5	Nonazeotrope			563
15246	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope			552
15247	$C_{10}H_{16}O$	Citral	226	Nonazeotrope			563
15248	$C_{10}H_{16}O$	Pulegone	~224	Nonazeotrope			529
15249	$C_{10}H_{17}Cl$	Bornyl chloride	207.5	Nonazeotrope			575
15250	$C_{10}H_{18}O$	Borneol	213.4	213.0	35		574
15251	$C_{10}H_{18}O$	Geraniol	229.6	Nonazeotrope			541
		"	229.5	218.0?			563
15252	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope			532
15253	$C_{10}H_{18}O$	α-Terpineol	217.8	212	~ 45		528
15254	$C_{10}H_{18}O$	β-Terpineol	210.5	Nonazeotrope			575
15255	$C_{10}H_{18}O_4$	Propyl succinate	250.5	Nonazeotrope			546
15256	$C_{10}H_{20}O$	Citronellol	224.5	217.8	70		537
15257	$C_{10}H_{20}O$	Menthol	216.4	215.15	25.5		529
15258	$C_{10}H_{20}O_2$	Capric acid	268.8	Nonazeotrope			575
15259	$C_{10}H_{20}O_2$	Ethyl caprylate	208.35	Nonazeotrope			575
15260	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope			575
15261	$C_{10}H_{22}O$	*n*-Decyl alcohol	232.9	Nonazeotrope			529
15262	$C_{10}H_{22}S$	Isoamyl sulfide	214.8	Nonazeotrope			575
15263	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	Nonazeotrope			575
15264	$C_{11}H_{20}O$	Terpineol methyl ether	216	Nonazeotrope			563
15265	$C_{11}H_{22}O_2$	Ethyl pelargonate	227	Nonazeotrope			575
15266	$C_{11}H_{22}O_3$	Isoamyl carbonate	228.8	Nonazeotrope			531
15267	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	< 214.8	<20		561
15268	$C_{12}H_{20}O_2$	Bornyl acetate	227.7	Nonazeotrope			529
15269	$C_{12}H_{22}O$	Bornyl ethyl ether	204.9	Nonazeotrope			558
15270	$C_{12}H_{26}$	Dodecane 100 mm.		140.2	59.2	v-l	404,600
15271	$C_{13}H_{28}$	Tridecane	234.0	Nonazeotrope			561
A =	**$C_{10}H_8O$**	**1-Naphthol**	**288.0**				
15272	$C_{10}H_9N$	1-Naphthylamine	300.8	Nonazeotrope			551
15273	$C_{10}H_9N$	2-Naphthylamine	306.1	Nonazeotrope			551
15274	$C_{10}H_{10}O_2$	Methyl cinnamate	261.9	Nonazeotrope			575
15275	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	Nonazeotrope			542
15276	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope			527
15277	$C_{11}H_{12}O_2$	Ethyl cinnamate	271.5	Nonazeotrope			542
15278	$C_{11}H_{14}O_2$	1,2-Dimethoxy-4-propenylbenzene	270.5	Nonazeotrope			542
15279	$C_{12}H_{10}$	Acenaphthene	277.9	Nonazeotrope			575
		"	277.9	274	20		544
15280	$C_{12}H_{10}$	Biphenyl	255.9	Nonazeotrope			542
15281	$C_{12}H_{10}O$	Phenyl ether	259.0	Nonazeotrope			556
15282	$C_{12}H_{11}N$	Diphenylamine	275	Azeotropic			563
15283	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.0	Nonazeotrope			575
15284	$C_{12}H_{16}O_3$	Isoamyl salicylate	277.5	Nonazeotrope			575
15285	$C_{12}H_{22}O_4$	Isoamyl oxalate	268.0	Nonazeotrope			542

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_{10}H_8O$**	**1-Naphthol *(continued)***	**288.0**			
15286	$C_{13}H_{10}$	Fluorene	295	Nonazeotrope		575
15287	$C_{13}H_{12}$	Diphenylmethane	265.4	Nonazeotrope		575
		"	265.6	265	10	544
15288	$C_{14}H_{12}$	1,2-Diphenylethylene	308.5	Nonazeotrope		575
A =	**$C_{10}H_8O$**	**2-Naphthol**	**295.0**			
15289	$C_{10}H_{10}O_4$	Methyl phthalate	283.2	> 296.0	>82	575
15290	$C_{11}H_{12}O_2$	Ethyl cinnamate	272.0	Nonazeotrope		575
15291	$C_{12}H_{10}$	Acenaphthene	277.9	Nonazeotrope		575
		"	277.9	277.0	10	544
15292	$C_{12}H_{10}$	Biphenyl	255.9	Nonazeotrope		524
15293	$C_{13}H_{12}$	Diphenylmethane	265.5	Nonazeotrope		524
15294	$C_{14}H_{12}$	Stilbene	308.5	Nonazeotrope		575
15295	$C_{14}H_{14}$	1,2-Diphenylethane	285.5	Nonazeotrope		575
		"	284	283.5		544
A =	**$C_{10}H_9N$**	**4-Methylquinoline**	**265.6**			
15296	$C_{10}H_9N$	Quinaldine	247.7	Nonazeotrope	v-l	610
15297	$C_{10}H_9N$	7-Methylquinoline	257.7	Nonazeotrope	v-l	610
A =	**$C_{10}H_9N$**	**1-Naphthylamine**	**300.8**			
15298	$C_{12}H_{10}$	Acenaphthene	277.9	Nonazeotrope		551
15299	$C_{13}H_{12}O$	Benzyl phenyl ether	286.5	Nonazeotrope		551
15300	$C_{14}H_{14}$	1,2-Diphenylethane	284.5	Nonazeotrope		551
15301	$C_{14}H_{14}O$	Benzyl ether	297	< 296		575
A =	**$C_{10}H_9N$**	**2-Naphthylamine**	**306.1**			
15302	$C_{13}H_{12}O$	Benzyl phenyl ether	286.5	Nonazeotrope		575
15303	$C_{14}H_{14}O$	Benzyl ether	297	Nonazeotrope		575
A =	**$C_{10}H_9N$**	**Quinaldine**	**246.5**			
15304	$C_{10}H_{10}O_2$	Safrole	235.9	Nonazeotrope		575
15305	$C_{10}H_{14}O$	Carvacrol	237.85	250.8	67	575
15306	$C_{10}H_{14}O$	Thymol	232.9	250.0	80	575
A =	**$C_{10}H_{10}O_2$**	**Isosafrol**	**252.1**			
15307	$C_{10}H_{10}O_2$	Methyl cinnamate	261.6	Nonazeotrope		531,557
15308	$C_{10}H_{12}O_2$	Eugenol	255.0	252.05?	~92	574
15309	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		542
15310	$C_{10}H_{18}O_4$	Propyl succinate	250.5	< 249.0	<70	557
15311	$C_{10}H_{20}O_2$	Capric acid	268.8	Nonazeotrope		575
15312	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	Nonazeotrope		548
15313	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		527
15314	$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethoxybenzene	254.7	Nonazeotrope		549
15315	$C_{11}H_{14}O_2$	Butyl benzoate	249.5	Nonazeotrope		557
15316	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	Nonazeotrope		557
15317	$C_{11}H_{17}N$	Isoamylaniline	256.0	< 250.0	>64	551
15318	$C_{12}H_{10}$	Biphenyl	255.0	Nonazeotrope		548
15319	$C_{12}H_{10}O$	Phenyl ether	259.0	Nonazeotrope		549
15320	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.05	Nonazeotrope		557
15321	$C_{12}H_{22}O_4$	Isoamyl oxalate	268.0	Nonazeotrope		557
15322	$C_{13}H_{12}$	Diphenylmethane	265.6	Nonazeotrope		535
15323	$C_{15}H_{33}BO_3$	Isoamyl borate	255	< 250.8		557

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_{10}H_{10}O_2$**	**Methyl Cinnamate**	**261.95**			
15324	$C_{10}H_{12}O_2$	Eugenol	255.0	Nonazeotrope		556
15325	$C_{10}H_{12}O_2$	Isoeugenol	268.8	Nonazeotrope		535
15326	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		575
15327	$C_{10}H_{20}O_2$	Capric acid	~268.8	Nonazeotrope		575
15328	$C_{10}H_{20}O_4$	2-(2-Butoxyethoxy)ethyl acetate	245.3	Nonazeotrope		575
15329	$C_{11}H_{10}$	1-Methylnaphthalene	245.1	Nonazeotrope		546
15330	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		527
15331	$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethoxybenzene	255.2	Nonazeotrope		557
15332	$C_{11}H_{14}O_2$	1,2-Dimethoxy-4-propenylbenzene	270.5	Nonazeotrope		557
15333	$C_{12}H_{10}$	Acenaphthene	277.9	Nonazeotrope		546
15334	$C_{12}H_{10}$	Biphenyl	255.9	Nonazeotrope		542
15335	$C_{12}H_{10}O$	Phenyl ether	259.3	258.8	17?	557
15336	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.0	260.5	47.5	549
15337	$C_{12}H_{16}O_3$	Isoamyl salicylate	277.5	Nonazeotrope		575
15338	$C_{12}H_{22}O_4$	Isoamyl oxalate	268.0	Nonazeotrope		575
15339	$C_{13}H_{12}$	Diphenylmethane	265.6	261.55	~ 95	573
A =	**$C_{10}H_{10}O_2$**	**Safrole**	**235.9**			
15340	$C_{10}H_{12}O$	Anethole	235.7	234.65	60	527
15341	$C_{10}H_{12}O_2$	Ethyl α-toluate	228.75	Nonazeotrope		557
15342	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	Nonazeotrope		557
		"	231.2	228	40	563
15343	$C_{10}H_{14}N_2$	Nicotine	247.5	Nonazeotrope		575
15344	$C_{10}H_{14}O$	Carvacrol	237.85	Nonazeotrope		556
15345	$C_{10}H_{14}O$	Carvone	231.0	Nonazeotrope		552
15346	$C_{10}H_{14}O$	Thymol	232.8	Nonazeotrope		529
15347	$C_{10}H_{15}N$	Diethylaniline	217.05	Nonazeotrope		551
15348	$C_{10}H_{16}O$	Menthenone	222.5	Nonazeotrope		564
15349	$C_{10}H_{16}O$	Pulegone	223.8	Nonazeotrope		575
15350	$C_{10}H_{18}O$	Borneol	215.0	Nonazeotrope		575
15351	$C_{10}H_{18}O$	Geraniol	235.9	Nonazeotrope		545
15352	$C_{10}H_{18}O$	α-Terpineol	218.85	Nonazeotrope		575
15353	$C_{10}H_{18}O_4$	Propyl succinate	250.5	Nonazeotrope		557
15354	$C_{10}H_{20}O$	Citronellol	224.4	Nonazeotrope		545
15355	$C_{10}H_{22}O$	Decyl alcohol	235.9	Nonazeotrope		545
15356	$C_{11}H_{10}$	1-Methylnaphthalene	244.9	Nonazeotrope		537
15357	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		527
15358	$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethoxybenzene	255.2	Nonazeotrope		535
15359	$C_{11}H_{14}O_2$	Butyl benzoate	249.0	Nonazeotrope		557
15360	$C_{11}H_{14}O_2$	Ethyl β-phenylpropionate	248.1	Nonazeotrope		557
15361	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	Nonazeotrope		557
15362	$C_{11}H_{17}N$	Isoamylaniline	256.0	Nonazeotrope		551
15363	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	< 231.8		557
		"	232.2	Nonazeotrope		548

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_{10}H_{10}O_2$**	**Safrole *(continued)***	**235.9**			
15364	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope		557
A =	**$C_{10}H_{10}O_4$**	**Methyl Phthalate**	**283.2**			
15365	$C_{11}H_{12}O_2$	Ethyl cinnamate	272.0	Nonazeotrope		549
15366	$C_{11}H_{14}O_2$	1,2-Dimethoxy-4-propenylbenzene	270.5	Nonazeotrope		557
15367	$C_{12}H_{10}$	Acenaphthene	277.9	276.35	33.5	542
15368	$C_{12}H_{10}$	Biphenyl	255.9	Nonazeotrope		546
15369	$C_{12}H_{10}O$	Phenyl ether	259.0	Nonazeotrope		557
15370	$C_{12}H_{16}O_3$	Isoamyl salicylate	277.5	Nonazeotrope		575
15371	$C_{13}H_{12}$	Diphenylmethane	265.6	Nonazeotrope		546
15372	$C_{13}H_{12}O$	Benzyl phenyl ether	286.5	< 282.5		557
15373	$C_{14}H_{14}$	1,2-Diphenylethane	284	280.5	53	546
15374	$C_{14}H_{14}O$	Benzyl ether	297	Nonazeotrope		557
A =	**$C_{10}H_{12}O$**	**Anethole**	**235.7**			
15375	$C_{10}H_{12}O_2$	Propyl benzoate	230.85	Nonazeotrope		557
15376	$C_{10}H_{14}O$	Carvacrol	237.85	Nonazeotrope		556
15377	$C_{10}H_{14}O$	Carvone	231.0	Nonazeotrope		552
15378	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		575
15379	$C_{10}H_{15}N$	Diethylaniline	217.05	Nonazeotrope		551
15380	$C_{10}H_{16}O$	Pulegone	223.8	Nonazeotrope		575
15381	$C_{10}H_{18}O$	α-Terpineol	218.85	Nonazeotrope		575
15382	$C_{10}H_{20}O$	Citronellol	224.4	Nonazeotrope		575
15383	$C_{10}H_{20}O$	Menthol	216.3	Nonazeotrope		575
15384	$C_{10}H_{22}O$	Decyl alcohol	232.8	< 232.6	<78	575
15385	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	Nonazeotrope		558
15386	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		527
15387	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	Nonazeotrope		557
A =	**$C_{10}H_{12}O$**	**Estragole**	**215.6**			
15388	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope		575
A =	**$C_{10}H_{12}O_2$**	**Ethyl α-Toluate**	**288.75**			
15389	$C_{10}H_{12}O_2$	Propyl benzoate	230.9	228.7	97	529
		"	230.85	Nonazeotrope		549
15390	$C_{10}H_{14}O$	Carvacrol	237.85	238.3	20	575
15391	$C_{10}H_{14}O$	Carvone	231.0	228.6	93	552
15392	$C_{10}H_{14}O$	Thymol	232.8	235.75	37.5	529
15393	$C_{10}H_{14}O_2$	*m*-Diethoxybenzene	235.0	Nonazeotrope		557
15394	$C_{10}H_{16}O$	Carvenone	234.5	Nonazeotrope		552
15395	$C_{10}H_{16}O$	Pulegone	223.8	Nonazeotrope		552
15396	$C_{10}H_{18}O$	Geraniol	229.6	228.1	70	529
15397	$C_{10}H_{18}O$	α-Terpineol	217.8	Nonazeotrope		536
15398	$C_{10}H_{20}O$	Citronellol	224.5	Nonazeotrope		536
15399	$C_{10}H_{20}O$	Menthol	216.3	Nonazeotrope		575
15400	$C_{10}H_{20}O_4$	2-(2-Butoxyethoxy)ethyl acetate	245.3	Nonazeotrope		551
15401	$C_{10}H_{22}O$	Decyl alcohol	232.9	228.55	94	529

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_{10}H_{12}O_2$**	**Ethyl α-Toluate *(continued)***	**288.75**			
15402	$C_{11}H_{10}$	1-Methylnaphthalene	244.9	Nonazeotrope		537
15403	$C_{11}H_{12}$	2-Methylnaphthalene	241.15	Nonazeotrope		575
15404	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	Nonazeotrope		575
15405	$C_{11}H_{16}O$	Methyl thymol ether	216.5	Nonazeotrope		557
15406	$C_{11}H_{22}O_3$	Isoamyl carbonate	228.5	227.9		573
15407	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	226.6	44	549
A =	**$C_{10}H_{12}O_2$**	**Eugenol**	**254.8**			
15408	$C_{10}H_{14}O$	Carvone	231.0	Nonazeotrope		575
15409	$C_{10}H_{16}O$	Menthenone	222.5	Nonazeotrope		575
15410	$C_{10}H_{20}O$	Citronellol	224.4	Nonazeotrope		575
15411	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	Nonazeotrope		556
15412	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		527
15413	$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethoxybenzene	255.2	255.3	~ 45	574
15414	$C_{11}H_{14}O_2$	Butyl benzoate	249.5	Nonazeotrope		548
15415	$C_{11}H_{14}O_2$	Isobutyl benzoate	242.15	Nonazeotrope		535
15416	$C_{11}H_{16}O$	*p-tert*-Amylphenol	266.5	Nonazeotrope		575
15417	$C_{11}H_{17}N$	Isoamylaniline	256.0	< 254.5		551
15418	$C_{12}H_{10}$	Biphenyl	255.0	253.5	50?	556
15419	$C_{12}H_{10}O$	Phenyl ether	259.3	254.9	~ 97	574
15420	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.05	Nonazeotrope		556,574
15421	$C_{13}H_{12}$	Diphenylmethane	265.4	Nonazeotrope		556
A =	**$C_{10}H_{12}O_2$**	**Isoeugenol**	**268.8**			
15422	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		575
15423	$C_{11}H_{12}O_2$	Ethyl cinnamate	272.5	Nonazeotrope		548
15424	$C_{11}H_{14}O_2$	1,2-Dimethoxy-4-propenylbenzene	270.5	Nonazeotrope		535
15425	$C_{11}H_{16}O$	*p-tert*-Amylphenol	266.5	Nonazeotrope		575
15426	$C_{11}H_{17}N$	Isoamylaniline	256.0	Nonazeotrope		575
15427	$C_{12}H_{10}$	Acenaphthene	277.9	Nonazeotrope		556
15428	$C_{12}H_{10}$	Biphenyl	255.0	Nonazeotrope		556
15429	$C_{12}H_{10}O$	Phenyl ether	259.3	Nonazeotrope		571
15430	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.05	Nonazeotrope		535
15431	$C_{12}H_{16}O_3$	Isoamyl salicylate	277.5	Nonazeotrope		575
15432	$C_{13}H_{12}$	Diphenylmethane	265.5	264.7	20?	556
15433	$C_{14}H_{14}$	1,2-Diphenylethane	284.5	Nonazeotrope		575
A =	**$C_{10}H_{12}O_2$**	**Propyl Benzoate**	**230.85**			
15434	$C_{10}H_{14}O$	Carvacrol	237.85	238.85	18	562
15435	$C_{10}H_{14}O$	Carvone	231.0	231.5?	50	552
15436	$C_{10}H_{14}O$	Thymol	232.8	235.5	45	529
15437	$C_{10}H_{16}O$	Carvenone	234.5	Nonazeotrope		552
15438	$C_{10}H_{16}O$	Citral	226	Nonazeotrope		563
15439	$C_{10}H_{16}O$	Pulegone	223.8	Nonazeotrope		552
15440	$C_{10}H_{18}O$	Geraniol	229.5	228.0	~ 45	563
15441	$C_{10}H_{18}O$	α-Terpineol	218.85	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_{10}H_{12}O_2$**	**Propyl Benzoate *(continued)***	**230.85**			
15442	$C_{10}H_{20}O$	Citronellol	224.5	Nonazeotrope		536
15443	$C_{10}H_{20}O$	Menthol	216.3	Nonazeotrope		575
15444	$C_{10}H_{20}O_4$	2-(2-Butoxyethoxy)ethyl acetate	245.3	Nonazeotrope		575
15445	$C_{10}H_{22}O$	*n*-Decyl alcohol	232.5	230.7	~ 75	528
15446	$C_{11}H_{10}$	1-Methylnaphthalene	244.9	Nonazeotrope		537
15447	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		527
15448	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	< 230.8		549
A =	**$C_{10}H_{14}$**	**Butylbenzene**	**183.1**			
15449	$C_{10}H_{14}$	Cymene	176.7	Nonazeotrope		561
15450	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope		561
15451	$C_{10}H_{16}$	Terpinolene	184.6	182.2	65	561
15452	$C_{10}H_{18}O$	Borneol	215	Nonazeotrope		575
15453	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope		548
15454	$C_{10}H_{18}O$	Citronellal	208.0	Nonazeotrope		575
15455	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		575
15456	$C_{10}H_{20}O$	Menthol	216.3	Nonazeotrope		575
15457	$C_{10}H_{22}O$	Amyl ether	187.5	Nonazeotrope		558
15458	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	Nonazeotrope		558
A =	**$C_{10}H_{14}$**	**Cymene**	**176.7**			
15459	$C_{10}H_{16}$	Camphene	159.6	Nonazeotrope		561
15460	$C_{10}H_{16}$	Dipentene	177.7	175.8	60	561
15461	$C_{10}H_{16}$	*d*-Limonene	177.8	174.5	75	563
15462	$C_{10}H_{16}$	Nopinene	163.8	Nonazeotrope		561
15463	$C_{10}H_{16}$	α-Terpinene	173.4	173.0	20	561
15464	$C_{10}H_{18}O$	Cineole	176.35	176.2	45	558
15465	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		537
15466	$C_{10}H_{18}O$	α-Terpineol	218.85	Nonazeotrope		575
15467	$C_{10}H_{22}O$	Isoamyl ether	172.6	Nonazeotrope		537
15468	$C_{10}H_{23}N$	Diisoamylamine	188.2	Nonazeotrope		551
A =	**$C_{10}H_{14}$**	**Isobutylbenzene**	**172.76**			
15469	$C_{10}H_{14}O_2$	*m*-Diethoxybenzene	235.0	Nonazeotrope		557
A =	**$C_{10}H_{14}N_2$**	**Nicotine**	**247.5**			
15470	$C_{10}H_{14}O$	Thymol	232.9	> 250.2	>79	575
15471	$C_{10}H_{14}O_2$	*m*-Diethoxybenzene	235.4	Nonazeotrope		575
A =	**$C_{10}H_{14}O$**	**Carvacrol**	**237.85**			
15472	$C_{10}H_{14}O$	Carvone	231.0	242.2	>58	552
15473	$C_{10}H_{14}O$	Thymol	232.9	Nonazeotrope		575
15474	$C_{10}H_{15}N$	Diethylaniline	217.05	Nonazeotrope		551
15475	$C_{10}H_{16}O$	Carvenone	234.5	243.0	55	575
15476	$C_{10}H_{16}O$	Menthenone	222.5	239.5	75	575
15477	$C_{10}H_{16}O$	Pulegone	223.8	328.4		552
15478	$C_{10}H_{18}O$	Geraniol	229.6	> 238.2	>85	575
15479	$C_{10}H_{18}O$	Menthone	209.5	Nonazeotrope		575
15480	$C_{10}H_{18}O$	α-Terpineol	218.85	Nonazeotrope		575

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_{10}H_{14}O$**	**Carvacrol** *(continued)*	**237.85**			
15481	$C_{10}H_{18}O_4$	Propyl succinate	250.5	251.5	25	575
15482	$C_{10}H_{22}O$	Decyl alcohol	232.8	Nonazeotrope		575
15483	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	Nonazeotrope		575
15484	$C_{11}H_{14}O_2$	Butyl benzoate	249.0	Nonazeotrope		575
15485	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	243.85	33	562
15486	$C_{11}H_{17}N$	Isoamylaniline	256.0	Nonazeotrope		551
15487	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	> 239.0	>62	575
15488	$C_{12}H_{10}$	Biphenyl	256.1	Nonazeotrope		575
15489	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	238.2	75	562
A =	**$C_{10}H_{14}O$**	**Carvone**	**230.95**			
15490	$C_{10}H_{11}O$	Thymol	232.9	238.65	48	552
15491	$C_{10}H_{14}O_2$	*m*-Diethoxybenzene	235	Nonazeotrope		537
15492	$C_{10}H_{15}N$	Diethylaniline	217.05	Nonazeotrope		551
15493	$C_{10}H_{18}O$	Borneol	215.0	Nonazeotrope		552
15494	$C_{10}H_{18}O$	Geraniol	229.6	229.2	40	552
15495	$C_{10}H_{20}O$	Citronellol	224.4	Nonazeotrope		552
15496	$C_{10}H_{20}O$	Menthol	216.3	Nonazeotrope		552
15497	$C_{10}H_{22}O$	*n*-Decyl alcohol	232.8	230.85	81	552
15498	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	Nonazeotrope		552
15499	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		527
15500	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	Nonazeotrope		552
15501	$C_{11}H_{16}O$	*p-tert*-Amylphenol	265	Nonazeotrope		575
15502	$C_{11}H_{17}N$	*N*-Isoamylaniline	256.0	Nonazeotrope		575
15503	$C_{11}H_{22}O_3$	Isoamyl carbonate	228.5	Nonazeotrope		573
		"	232.2	230.5	60	552
15504	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope		552
A =	**$C_{10}H_{14}O$**	**Thymol**	**232.9**			
15505	$C_{10}H_{14}O_2$	*m*-Diethoxybenzene	235.0	Nonazeotrope		542
15506	$C_{10}H_{15}N$	Diethylaniline	217.05	Nonazeotrope		531
15507	$C_{10}H_{16}O$	Camphor	209.1	233.3	84	552
		"	209.1	Nonazeotrope		542
15508	$C_{10}H_{16}O$	Carvenone	234.5	241.0	50	575
15509	$C_{10}H_{16}O$	Pulegone	223.8	235.3	65	552
15510	$C_{10}H_{18}O$	Borneol	213.4	Nonazeotrope		542
15511	$C_{10}H_{18}O$	Geraniol	229.6	325.6	57.5	529
15512	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		575
15513	$C_{10}H_{18}O$	Menthone	209.5	233.2	92	575
15514	$C_{10}H_{18}O$	α-Terpineol	217.8	Nonazeotrope		529
15515	$C_{10}H_{18}O_4$	Propyl succinate	250.5	Nonazeotrope		575
15516	$C_{10}H_{20}O$	Citronellol	224	233.8	~ 85	573
15517	$C_{10}H_{20}O$	Menthol	216.4	Nonazeotrope		542
15518	$C_{10}H_{20}O_2$	Methyl pelargonate	213.8	Nonazeotrope		575
15519	$C_{10}H_{22}O$	*n*-Decyl alcohol	232.5	~ 234.5	~ 60	529
15520	$C_{11}H_{10}$	1-Methylnaphthalene	242	Nonazeotrope		573
15521	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		527

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_{10}H_{14}O$**	**Thymol *(continued)***	**232.9**			
15522	$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethoxybenzene	254.7	Nonazeotrope		575
15523	$C_{11}H_{14}O_2$	Butyl benzoate	249.8	Nonazeotrope		542
15524	$C_{11}H_{14}O_2$	Isobutyl benzoate	242.15	243.2	20	573
15525	$C_{11}H_{16}O$	Methyl thymyl ether	216.5	Nonazeotrope		575
15526	$C_{11}H_{20}O$	Methyl α-terpineol ether	216.2	Nonazeotrope		544
15527	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	236.25	~ 48	542
15528	$C_{12}H_{10}$	Biphenyl	255.9	Nonazeotrope		542
15529	$C_{12}H_{10}O$	Phenyl ether	259.0	Nonazeotrope		575
15530	$C_{12}H_{18}$	1,3,5-Triethylbenzene	216	Nonazeotrope		544
15531	$C_{12}H_{22}O_2$	Bornyl acetate	227.7	235.6	60	529
A =	**$C_{10}H_{14}O_2$**	***m*-Diethoxybenzene**	**235.4**			
15532	$C_{10}H_{15}N$	Diethylaniline	217.05	Nonazeotrope		575
15533	$C_{10}H_{18}O$	Geraniol	229.7	Nonazeotrope		576
15534	$C_{10}H_{20}O$	Citronellol	224.4	Nonazeotrope		575
15535	$C_{10}H_{22}O$	Decyl alcohol	232.8	232.2		576
15536	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	< 231.0	>33	557
15537	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope		557
A =	**$C_{10}H_{15}N$**	**Diethylaniline**	**217.05**			
15538	$C_{10}H_{16}O$	Camphor	209.1	Nonazeotrope		551
15539	$C_{10}H_{16}O$	Citral	226	Reacts		563
15540	$C_{10}H_{16}O$	Pulegone	223.8	Nonazeotrope		551
15541	$C_{10}H_{18}O$	Borneol	215.0	< 214.8	<20	551
		"	213.5	Nonazeotrope		542
15542	$C_{10}H_{18}O$	Geraniol	229.6	Nonazeotrope		551
15543	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		551
15544	$C_{10}H_{18}O$	α-Terpineol	218.85	215.5	56	551
15545	$C_{10}H_{18}O$	β-Terpineol	210.5	Nonazeotrope		551
15546	$C_{10}H_{20}O$	Citronellol	224.4	Nonazeotrope		551
15547	$C_{10}H_{20}O$	Menthol	216.3	215.3	43.5	551
15548	$C_{10}H_{22}O$	Decyl alcohol	232.8	Nonazeotrope		551
15549	$C_{11}H_{10}$	2-Methylnaphthalene	241.5	Nonazeotrope		527
15550	$C_{11}H_{16}O$	Methyl thymyl ether	216.5	< 216.0	<49	575
15551	$C_{11}H_{20}O$	Methyl α-terpinyl ether	216.2	< 215.0	<48	551
15552	$C_{11}H_{24}O_2$	Diisoamyloxymethane	210.8	Nonazeotrope		551
15553	$C_{12}H_{22}O$	Ethyl isobornyl ether	203.8	Nonazeotrope		551
A =	**$C_{10}H_{16}$**	**Camphene**	**159.6**			
15554	$C_{10}H_{16}$	Dipentene	177.7	Nonazeotrope		561
15555	$C_{10}H_{16}$	Nopinene	163.8	Nonazeotrope		561
15556	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope		561
15557	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		537
15558	$C_{10}H_{22}$	2,7-Dimethyloctane	160.25	158	62	561
15559	$C_{10}H_{23}N$	Diisoamylamine	188.2	Nonazeotrope		551
15560	$C_{12}H_{20}O_2$	Isobornyl acetate	225.8	Nonazeotrope		575
A =	**$C_{10}H_{16}$**	**Dipentene**	**177.7**			
15561	$C_{10}H_{16}$	α-Pinene	155.8	Nonazeotrope		561
15562	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_{10}H_{16}$**	**Dipentene *(continued)***	**177.7**			
15563	$C_{10}H_{22}O$	Amyl ether	187.5	Nonazeotrope		558
15564	$C_{10}H_{23}N$	Diisoamylamine	188.2	Nonazeotrope		551
15565	$C_{12}H_{20}O_2$	Isobornyl acetate	225.8	Nonazeotrope		575
A =	**$C_{10}H_{16}$**	***d*-Limonene**	**177.8**			
15566	$C_{10}H_{16}$	Terpinene	180.5	Nonazeotrope		563
15567	$C_{10}H_{18}O$	Borneol	213.4	Nonazeotrope		537
15568	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope		529
15569	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		537
15570	$C_{10}H_{20}O$	Menthol	216.4	Nonazeotrope		537
15571	$C_{10}H_{20}O_2$	Isoamyl isovalerate	~193.5	Nonazeotrope		573
15572	$C_{10}H_{22}O$	Isoamyl ether	172.7	Nonazeotrope		563
A =	**$C_{10}H_{16}$**	**Nopinene**	**163.8**			
15573	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope		561
15574	$C_{10}H_{22}O$	Isoamyl ether	173.2	Nonazeotrope		558
A =	**$C_{10}H_{16}$**	**α-Phellandrene**	**171.5**			
15575	$C_{10}H_{18}O$	Cineole	176.3	Nonazeotrope		563
A =	**$C_{10}H_{16}$**	**α-Pinene**	**155.8**			
15576	$C_{10}H_{16}$	α-Terpinene	173.4	Nonazeotrope		561
15577	$C_{10}H_{18}O$	Borneol	155.8	Nonazeotrope		537
15578	$C_{10}H_{22}$	2,7-Dimethyloctane	160.1	< 155.5	<89	561
A =	**$C_{10}H_{16}$**	**α-Terpinene**	**173.4**			
15579	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope		558
15580	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		575
15581	$C_{10}H_{22}$	Decane	173.3	< 171.5	<50	561
15582	$C_{10}H_{18}O$	Isoamyl ether	173.2	**172.0**	**50**	**558**
A =	**$C_{10}H_{16}$**	**γ-Terpinene**	**180.5**			
15583	$C_{10}H_{18}O$	Cineole	176.3	Nonazeotrope		563
15584	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope		546
15585	$C_{10}H_{22}O$	Isoamyl ether	173.4	Nonazeotrope		548
A =	**$C_{10}H_{16}$**	**Terpinolene**	**184.6**			
15586	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope		575
15587	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	Nonazeotrope		558
A =	**$C_{10}H_{16}$**	**Thymene**	**179.7**			
15588	$C_{10}H_{18}O$	Borneol	213.4	Nonazeotrope		537
15589	$C_{10}H_{18}O$	Cineole	176.35	Nonazeotrope		537
15590	$C_{10}H_{18}O$	Linalool	198.6	Nonazeotrope		574
15591	$C_{10}H_{18}O$	α-Terpineol	~217.8	Nonazeotrope		537
15592	$C_{10}H_{20}O$	Menthol	216.4	Nonazeotrope		540
15593	$C_{10}H_{20}O_2$	Isoamyl isovalerate	193.5	Nonazeotrope		573
A =	**$C_{10}H_{16}O$**	**Camphor**	**208.9**			
15594	$C_{10}H_{17}Cl$	Bornyl chloride	~210	Nonazeotrope		563
15595	$C_{10}H_{18}O$	Borneol	215.0	Nonazeotrope		552
15596	$C_{10}H_{18}O$	Citronellal	208.0	207.5		552

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	B-Component			Azeotropic Data			
No.	Formula	Name	B.P., °C	B.P., °C	Wt.%A		Ref.
A =	**$C_{10}H_{16}O$**	**Camphor** *(continued)*	**208.9**				
15597	$C_{10}H_{18}O$	Linalool	198.6	Nonazoetrope			552
15598	$C_{10}H_{18}O$	Menthone	207	Nonazeotrope			563
15599	$C_{10}H_{20}O$	Menthol	216.3	Nonazeotrope			552
15600	$C_{10}H_{22}S$	Isoamyl sulfide	214.8	< 208.8			566
15601	$C_{11}H_{16}O$	Methyl thymyl ether	216.5	Nonazeotrope			575
15602	$C_{11}H_{20}O$	Methyl terpenyl ether	216.2	Nonazeotrope			552
15603	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope			552
A =	**$C_{10}H_{16}O$**	**Carvenone**	**234.5**				
15604	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	Nonazeotrope			552
15605	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	Nonazeotrope			552
A =	**$C_{10}H_{16}O$**	**Citral**	**226**				
15606	$C_{10}H_{18}O$	Geraniol	229	Nonazeotrope			563
15607	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope			575
A =	**$C_{10}H_{16}O$**	**Fenchone**	**193**				
15608	$C_{11}H_{20}O$	Methyl isobornyl ether	192.2	191			563
A =	**$C_{10}H_{16}O$**	**Pulegone**	**223.8**				
15609	$C_{10}H_{17}Cl$	Bornyl chloride	207.5	Nonazeotrope			552
15610	$C_{10}H_{18}O$	Borneol	215.0	Nonazeotrope			552
15611	$C_{10}H_{18}O$	α-Terpineol	218.85	Nonazeotrope			552
15612	$C_{10}H_{20}O$	Menthol	216.3	Nonazeotrope			552
15613	$C_{11}H_{16}O$	Methyl thymyl ether	216.5	Nonazeotrope			575
15614	$C_{11}H_{20}O$	Terpineol methyl ether	216.3	Nonazeotrope			563
15615	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	Nonazeotrope			552
15616	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope			575
15617	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope			552
A =	**$C_{10}H_{17}Cl$**	**Bornyl Chloride**	**207.5**				
15618	$C_{10}H_{22}S$	Isoamyl sulfide	214.8	Nonazeotrope			575
A =	**$C_{10}H_{18}$**	**Decahydronaphthalene**					
15619	$C_{10}H_{22}$	Decane, 10 mm.		Nonazeotrope		v-l	893
		" 20 mm.		Nonazeotrope		v-l	893
		" 50 mm.		Nonazeotrope		v-l	893
A =	**$C_{10}H_{18}O$**	**Borneol**	**211.8**				
15620	$C_{10}H_{18}O$	Menthone	207	Nonazeotrope			563
15621	$C_{10}H_{18}O$	α-Terpineol	218.0	Nonazeotrope			545
15622	$C_{10}H_{20}O$	Menthol	216.4	Nonazeotrope			545
15623	$C_{11}H_{16}O$	Methyl thymyl ether	216.5	< 214.0	<62		575
15624	$C_{11}H_{20}O$	Methyl α-terpineol ether	216.2	214.0	55		575
		"	216	Nonazeotrope			563
15625	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	212.2	62		545
15626	$C_{12}H_{22}O$	Ethyl isobornyl ether	204.9	Nonazeotrope			575
A =	**$C_{10}H_{18}O$**	**Cineole**	**176.35**				
15627	$C_{10}H_{18}O$	α-Terpineol	218.85	Nonazeotrope			575
15628	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	Nonazeotrope			557
15629	$C_{10}H_{22}O$	Isoamyl ether	173.2	Nonazeotrope			549

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_{10}H_{18}O$**	**Cineole** *(continued)*	**176.35**				
15630	$C_{10}H_{23}N$	Diisoamylamine	188.2	Nonazeotrope			551
A =	**$C_{10}H_{18}O$**	**Citronellal**	**208.0**				
15631	$C_{10}H_{18}O$	α-Terpineol	218.85	Nonazeotrope			575
15632	$C_{10}H_{20}O$	Citronellol	224.4	Nonazeotrope			575
15633	$C_{10}H_{20}O$	Menthol	216.3	Nonazeotrope			575
15634	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	Nonazeotrope			575
A =	**$C_{10}H_{18}O$**	**Geraniol**	**229.6**				
15635	$C_{10}H_{18}O$	α-Terpineol	218.85	Nonazeotrope			575
15636	$C_{10}H_{22}O$	Decyl alcohol	232.9	Nonazeotrope			575
15637	$C_{11}H_{10}$	1-Methylnaphthalene	244.9	Nonazeotrope			537
15638	$C_{11}H_{16}O$	Methyl thymyl ether	216.5	Nonazeotrope			575
15639	$C_{11}H_{20}O$	Methyl α-terpineol ether	216.2	Nonazeotrope			575
15640	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	< 229.2	>65		567
15641	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope			575
15642	$C_{12}H_{20}O_2$	Bornyl acetate	228	Nonazeotrope			528
A =	**$C_{10}H_{18}O$**	**Linalool**	**198.6**				
15643	$C_{10}H_{20}O_2$	Isoamyl isovalerate	192.7	< 192.4			575
15644	$C_{11}H_{20}O$	Isobornyl methyl ether	192.2	Nonazeotrope			576
15645	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope			537
A =	**$C_{10}H_{18}O$**	**Menthone**	**209.5**				
15646	$C_{10}H_{20}O$	Menthol, 5 mm.		Nonazeotrope		v-l	323
		" 50 mm.		Nonazeotrope		v-l	323
		" 180 mm.		Nonazeotrope		v-l	323
A =	**$C_{10}H_{18}O$**	**α-Terpineol**	**217.8**				
15647	$C_{10}H_{20}O$	Menthol	216.4	Nonazeotrope			529
15648	$C_{11}H_{10}$	1-Methylnaphthalene	244.9	Nonazeotrope			540
15649	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope			527
15650	$C_{11}H_{16}O$	Methyl thymyl ether	216.5	< 215.5			575
15651	$C_{11}H_{20}O$	Methyl terpineol ether	216.2	Min. b.p.?			576
15652	$C_{12}H_{20}O_2$	Bornyl acetate	227.7	Nonazeotrope			529
A =	**$C_{10}H_{18}O$**	**β-Terpineol**	**210.5**				
15653	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	Nonazeotrope			575
15654	$C_{11}H_{20}O$	Methyl terpineol ether	216.2	< 210	>82		575
15655	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	210.0			575
A =	**$C_{10}H_{18}O_4$**	**Propyl Succinate**	**250.5**				
15656	$C_{11}H_{10}$	1-Methylnaphthalene	245.1	Nonazeotrope			546
15657	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope			575
15658	$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethoxybenzene	254.7	Nonazeotrope			575
15659	$C_{11}H_{14}O_2$	Butyl benzoate	249.0	Nonazeotrope			549
15660	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	Nonazeotrope			575
15661	$C_{12}H_{10}$	Biphenyl	256.1	Nonazeotrope			575
15662	$C_{12}H_{10}O$	Phenyl ether	259.0	< 250.0			557

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_{10}H_{20}O$**	**Citronellol**	**224.4**			
15663	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		575
15664	$C_{11}H_{20}O$	Methyl terpineol ether	216.2	Nonazeotrope		576
15665	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	< 224.2		575
15666	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	< 215.3		575
15667	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope		575
A =	**$C_{10}H_{20}O$**	**Menthol**	**216.3**			
15668	$C_{10}H_{20}O_2$	Ethyl caprylate	208.35	Nonazeotrope		575
15659	$C_{11}H_{10}$	1-Methylnaphthalene	244.9	Nonazeotrope		537
15670	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		575
15671	$C_{11}H_{20}O$	Terpineol methyl ether	216.2	215.3	50	545
15672	$C_{11}H_{22}O_2$	Ethyl pelargonate	227	Nonazeotrope		575
15673	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	214	~ 55	537
15674	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope		535
A =	**$C_{10}H_{20}O_2$**	**Capric Acid**	**268.8**			
15675	$C_{11}H_{10}$	1-Methylnaphthalene	244.6	Nonazeotrope		575
15676	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope		527
15677	$C_{12}H_{10}O$	Phenyl ether	259.0	< 258.0	>12	575
15678	$C_{12}H_{22}O_4$	Isoamyl oxalate	268.0	< 266.0	>35	575
15679	$C_{13}H_{12}$	Diphenylmethane	265.4	262.5	28	562
A =	**$C_{10}H_{20}O_2$**	**Ethyl Caprylate**	**208.35**			
15680	$C_{10}H_{22}S$	Isoamyl sulfide	214.8	Nonazeotrope		122
15681	$C_{11}H_{20}O$	Methyl α-terpineol ether	216.2	Nonazeotrope		557
15682	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		575
A =	**$C_{10}H_{20}O_2$**	**Isoamyl Isovalerate**	**192.7**			
15683	$C_{10}H_{22}O$	Isoamyl ether	173.2	Nonazeotrope		557
15684	$C_{11}H_{20}O$	Isobornyl methyl ether	192.4	< 192	<55	557
15685	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		575
15686	$C_{12}H_{22}O$	Bornyl ethyl ether	204.9	Nonazeotrope		557
15687	$C_{12}H_{22}O$	Ethyl isobornyl ether	203.8	Nonazeotrope		557
A =	**$C_{10}H_{20}O_2$**	**Methyl Pelargonate**	**213.8**			
15688	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope		575
A =	**$C_{10}H_{20}O_4$**	**2-(2-Butoxyethoxy) Ethyl Acetate**	**245.3**			
15689	$C_{11}H_{14}O_2$	Ethyl β-phenylpropionate	248.1	< 245.0	>82	575
15690	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	< 241.7	>10	575
15691	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	Nonazeotrope		575
15692	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope		575
A =	**$C_{10}H_{22}$**	**3,3,5-Trimethylheptane**	**155.68**			
15693	$C_{12}F_{27}N$	Perfluorotributyl-amine	178.4	147.3	55 vol. %	609
A =	**$C_{10}H_{22}O$**	**Decyl Alcohol**	**~232.9**			
15694	$C_{11}H_{10}$	1-Methylnaphthalene	244.9	Nonazeotrope		537
15695	$C_{11}H_{10}$	2-Methylnaphthalene				
		1.5 mm.		68.85	5.2 v-l	955
		" 3.0 mm.		79.80	9.9 v-l	955

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	B-Component			Azeotropic Data			
No.	Formula	Name	B.P., °C	B.P., °C	Wt.%A		Ref.
A =	**$C_{10}H_{22}O$**	**Decyl Alcohol** *(continued)*	**~232.9**				
15696	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	Nonazeotrope			536
15697	$C_{11}H_{16}O$	Methyl thymyl ether	216.5	Nonazeotrope			575
15698	$C_{11}H_{20}O$	Methyl terpineol ether	216.0	Nonazeotrope			575
15699	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	< 230.9	>36		567
15700	$C_{12}H_{10}$	Biphenyl	254.8	Nonazeotrope			540
15701	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope			537
15702	$C_{12}H_{20}O_2$	Bornyl acetate	228	Nonazeotrope			528
15703	$C_{12}H_{26}O$	Dodecyl alcohol, 20, 50, 100, 300 mm.		Ideal system		v-l	823
15704	$C_{13}H_{12}$	Diphenylmethane	265.6	Nonazeotrope			537
A =	**$C_{10}H_{22}O$**	**Isoamyl Ether**	**173.2**				
15705	$C_{10}H_{23}N$	Diisoamylamine	188.2	Nonazeotrope			551
A =	**$C_{10}H_{22}OS$**	**2-(2-Ethylhexylthio) ethanol**					
15706	$C_{12}H_{24}OS$	2-(2-Ethylhexylthio) ethyl vinyl ether		Min. b.p.			953
A =	**$C_{10}H_{22}O_4$**	**Tripropylene Glycol Methyl Ether**	**243**				
15707	$C_{11}H_{10}$	2-Methylnaphthalene	241.15		<50		270
A =	**$C_{10}H_{22}S$**	**Isoamyl Sulfide**	**214.8**				
15708	$C_{11}H_{20}O$	Methyl *a*-terpineol ether	216.2	213.8	70		566
15709	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	214.0	65		575
15710	$C_{12}H_{22}O$	Ethyl isobornyl ether	203.8	Nonazeotrope			566
A =	**$C_{11}H_{10}$**	**1-Methylnaphthalene**	**244.6**				
15711	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope			561
		"				v-l	441
		" 55 mm.				v-l	441
15712	$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethoxy-benzene	254.7	Nonazeotrope			548
15713	$C_{11}H_{14}O_2$	Butyl benzoate	249.5	Nonazeotrope			546
15714	$C_{11}H_{14}O_2$	Ethyl β-phenylpropionate	248.1	Nonazeotrope			575
15715	$C_{11}H_{14}O_2$	Isobutyl benzoate	242.15	Nonazeotrope			532
15716	$C_{11}H_{16}O$	*p-tert*-Amylphenol	266.5	Nonazeotrope			575
15717	$C_{11}H_{17}N$	Isoamylaniline	256.0	Nonazeotrope			575
15718	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	Nonazeotrope			546
15719	$C_{11}H_{24}O$	5-Ethyl-2-nonanol, 19 mm.		121	41.4		270,271
		" 50 mm.		143	25.2		270,271
		" 150 mm.		173	5.25		270,271
		" 200 mm.		179.5	2		270.271
		5-Ethyl-2-nonanol 400 mm.		Nonazeotrope			270,271
15720	$C_{12}H_{10}$	Biphenyl	256.1	Nonazeotrope			561
15721	$C_{12}H_{10}O$	Phenyl ether	259.0	Nonazeotrope			558
15722	$C_{12}H_{10}O_2$	Isoamyl benzoate	262.0	Nonazeotrope			575
15723	$C_{12}H_{20}O_2$	Bornyl acetate	227.7	Nonazeotrope			535

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_{11}H_{10}$**	**1-Methylnaphthalene**	**244.6**			
		(continued)				
15724	$C_{13}H_{12}$	Diphenylmethane	265.4	Nonazeotrope		561
A =	**$C_{11}H_{10}$**	**2-Methylnaphthalene**	**241.15**			
15725	$C_{11}H_{14}O_2$	Butyl benzoate	249.0	Nonazeotrope		527
15726	$C_{11}H_{14}O_2$	Ethyl β-phenylpropionate	248.1	Nonazeotrope		575
15727	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	240.8	60	527
15728	$C_{11}H_{17}N$	Isoamylaniline	256.0	Nonazeotrope		575
15729	$C_{11}H_{22}O_3$	Isoamyl carbonate	232.2	Nonazeotrope		575
15730	$C_{11}H_{24}O$	5-Ethyl-2-nonanol,				
		20 mm.		120	49.8	270,271
		" 50 mm.		140.5	36.0	270,271
		" 90 mm.		157	24.5	270,271
		" 200 mm.		181.5	9.0	270,271
		" 300 mm.		193.5	3.5	270,271
		" 400 mm.		Nonazeotrope		270,271
15731	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope		575
A =	**$C_{11}H_{12}O_2$**	**Ethyl Cinnamate**	**272.0**			
15732	$C_{11}H_{14}O_2$	1,2-Dimethyl-4-propenyl-benzene	270.5	Nonazeotrope		557
		" "	270.5	270.4	~ 7	541
15733	$C_{12}H_{10}$	Acenaphthene	277.9	Nonazeotrope		546
15734	$C_{12}H_{10}$	Biphenyl	256.1	Nonazeotrope		575
15735	$C_{12}H_{10}O$	Phenyl ether	259.3	Nonazeotrope		557
15736	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.0	Nonazeotrope		545
15737	$C_{12}H_{16}O_3$	Isoamyl salicylate	277.5	Nonazeotrope		575
15738	$C_{12}H_{22}O_4$	Isoamyl oxalate	268.0	< 267.5	>21	549
15739	$C_{13}H_{12}$	Diphenylmethane	265.6	Nonazeotrope		546
15740	$C_{14}H_{14}$	1,2-Diphenylethane	284	Nonazeotrope		546
A =	**$C_{11}H_{14}O_2$**	**1-Allyl-3,4-dimethoxybenzene**	**~249.8**			
15741	$C_{11}H_{14}O_2$	Butyl benzoate	254.7	Nonazeotrope		557
15742	$C_{11}H_{14}O_2$	Isobutyl benzoate	242.15	Nonazeotrope		557
15743	$C_{11}H_{17}N$	Isoamylaniline	256.0	250.5	58	551
15744	$C_{12}H_{10}$	Biphenyl	255.0	254.5	70	558
15745	$C_{12}H_{10}O$	Phenyl ether	259.0	Nonazeotrope		549
15746	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.05	Nonazeotrope		557
15747	$C_{13}H_{12}$	Diphenylmethane	265.6	Nonazeotrope		535
A =	**$C_{11}H_{14}O_2$**	**Butyl Benzoate**	**249.8**			
15748	$C_{12}H_{10}$	Biphenyl	255.9	Nonazeotrope		546
15749	$C_{12}H_{10}O$	Phenyl ether	259.3	Nonazeotrope		537,557
15750	$C_{15}H_{33}BO_3$	Isoamyl borate	255	Nonazeotrope		575
A =	**$C_{11}H_{14}O_2$**	**1,2-Dimethoxy-4-propenyl-benzene**	**270.5**			
15751	$C_{11}H_{17}N$	Isoamylaniline	256.0	Nonazeotrope		575
15752	$C_{12}H_{10}$	Acenaphthene	277.9	Nonazeotrope		548
15753	$C_{12}H_{10}O$	Phenyl ether	259.3	Nonazeotrope		535
15754	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.05	Nonazeotrope		535,557

No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_{11}H_{14}O_2$**	**1,2-Dimethoxy-4-propenylbenzene *(continued)***	**270.5**				
15755	$C_{12}H_{16}O_3$	Isoamyl salicylate	277.5	Nonazeotrope			575
15756	$C_{12}H_{22}O_4$	Isoamyl oxalate	268.0	Nonazeotrope			557
		" "	268.0	267.95	4		541
15757	$C_{13}H_{12}$	Diphenylmethane	265.6	Nonazeotrope			535
A =	**$C_{11}H_{14}O_2$**	**Ethyl β-phenylpropionate**	**248.1**				
15758	$C_{11}H_{14}O_2$	Isobutyl benzoate	241.9	Nonazeotrope			575
15759	$C_{12}H_{10}$	Biphenyl	256.1	Nonazeotrope			575
15760	$C_{12}H_{10}O$	Phenyl ether	259.0	Nonazeotrope			557
A =	**$C_{11}H_{16}O$**	***p-tert*-Amylphenol**	**266.5**				
15761	$C_{12}H_{10}$	Acenaphthene	277.9	Nonazeotrope			575
15762	$C_{12}H_{16}O_3$	Isoamyl salicylate	277.5	Nonazeotrope			575
15763	$C_{13}H_{10}$	Fluorene	295.	Nonazeotrope			575
15764	$C_{13}H_{12}$	Diphenylmethane	265.4	263.0	40		575
15765	$C_{14}H_{14}$	1,2-Diphenylethane	284.5	Nonazeotrope			575
A =	**$C_{11}H_{16}O$**	**Methyl Thymyl Ether**	**216.5**				
15766	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope			557
A =	**$C_{11}H_{17}N$**	**Isoamylaniline**	**256.0**				
15767	$C_{12}H_{10}$	Biphenyl	256.1	$<$ 255.0			575
15768	$C_{12}H_{10}O$	Phenyl ether	259.0	$<$ 252.5			575
A =	**$C_{11}H_{20}O$**	**Methyl α-Terpineol Ether**	**216.2**				
15769	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	Nonazeotrope			558
15770	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope			557
A =	**$C_{11}H_{22}O_2$**	**Methyl Caprate**					
15771	$C_{13}H_{26}O_2$	Methyl laurate					
		20-100 mm.		Nonazeotrope		v-l	825
A =	**$C_{11}H_{22}O_3$**	**Isoamyl Carbonate**	**232.2**				
15772	$C_{12}H_{16}O_2$	Isoamyl benzoate	241.9	Nonazeotrope			575
15773	$C_{12}H_{20}O_2$	Bornyl acetate	227.6	Nonazeotrope			542
A =	**$C_{12}H_9N$**	**Carbazole**	**355**				
15774	$C_{14}H_{30}$	Tetradecanol		Nonazeotrope			272
		Low press.		Min. b.p.			272
15775	$C_{17}H_{36}O$	Heptadecanol		Nonazeotrope			272
		Low press.		Min. b.p.			272
A =	**$C_{12}H_{10}$**	**Acenaphthene**	**277.9**				
15776	$C_{12}H_{14}O_4$	Ethyl phthalate	298.5	Nonazeotrope			575
15777	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.0	Nonazeotrope			546
15778	$C_{12}H_{22}O_4$	Isoamyl oxalate	268.0	Nonazeotrope			542
15779	$C_{13}H_{12}$	Diphenylmethane	265.4	Nonazeotrope			561
15780	$C_{13}H_{12}O$	Benzyl phenyl ether	286.5	Nonazeotrope			558
15781	$C_{14}H_{14}$	1,2-Diphenylethane	284.5	Nonazeotrope			561
A =	**$C_{12}H_{10}$**	**Biphenyl**	**255.9**				
15782	$C_{12}H_{10}O$	Phenyl ether	259.3	Nonazeotrope			542
		" "	259	Nonazeotrope		v-l	470
15783	$C_{12}H_{14}O_4$	Ethyl phthalate	298.5	Nonazeotrope			575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A	Ref.
A =	**$C_{12}H_{10}$**	**Biphenyl *(continued)***	**255.9**			
15784	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.0	Nonazeotrope		546
15785	$C_{12}H_{16}O_3$	Isoamyl salicylate	277.5	Nonazeotrope		575
15786	$C_{12}H_{22}O_4$	Isoamyl oxalate	268.0	Nonazeotrope		546
15787	$C_{13}H_{12}$	Diphenylmethane	265.4	Nonazeotrope		561
15788	$C_{24}H_{38}O_4$	Dioctyl phthalate, 10 mm.	248	Nonazeotrope		981
A =	**$C_{12}H_{10}O$**	**Phenyl Ether**	**259**			
15789	$C_{12}H_{14}O_4$	Ethyl phthalate	298.5	Nonazeotrope		557
15790	$C_{12}H_{16}O_2$	Isoamyl benzoate	262.05	258.9	90	557
15791	$C_{12}H_{16}O_3$	Isoamyl salicylate	277.5	Nonazeotrope		575
15792	$C_{12}H_{22}O_4$	Isoamyl oxalate	268.0	Nonazeotrope		541
15793	$C_{13}H_{12}$	Diphenylmethane	265.6	Nonazeotrope		529
15794	$C_{14}H_{14}O$	Benzyl ether	297	Nonazeotrope		576
A =	**$C_{12}H_{14}O_2$**	**Ethyl Phthalate**	**298.5**			
15795	$C_{13}H_{12}$	Diphenylmethane	265.4	**Nonazeotrope**		**575**
A =	**$C_{12}H_{16}O_2$**	**Isoamyl Benzoate**	**262.0**			
15796	$C_{12}H_{16}O_3$	Isoamyl salicylate	277.5	**Nonazeotrope**		**575**
15797	$C_{12}H_{22}O_4$	Isoamyl oxalate	268.0	Nonazeotrope		541
15798	$C_{13}H_{12}$	Diphenylmethane	265.6	Nonazeotrope		535
A =	**$C_{12}H_{16}O_3$**	**Isoamyl Salicylate**	**277.5**			
15799	$C_{13}H_{12}$	Diphenylmethane	265.4	Nonazeotrope		575
15800	$C_{13}H_{12}O$	Benzyl phenyl ether	286.5	Nonazeotrope		575
15801	$C_{14}H_{14}$	1,2-Diphenylethane	284.5	Nonazeotrope		575
A =	**$C_{12}H_{18}$**	**1,3,5-Triethylbenzene**	**215.5**			
15802	$C_{12}H_{20}O_2$	Bornyl acetate	227.2	Nonazeotrope		537
15803	$C_{12}H_{22}O$	Bornyl ethyl ether	204.9	Nonazeotrope		558
A =	**$C_{12}H_{22}O_4$**	**Isoamyl Oxalate**	**268.0**			
15804	$C_{13}H_{12}$	Diphenylmethane	265.4	265.25	14	545
15805	$C_{14}H_{14}$	1,2-Diphenylethane	284	Nonazeotrope		546
A =	**$C_{12}H_{24}$**	**2,6,8-Trimethylnonene**				
15806	$C_{12}H_{26}O$	2,6,8-Trimethyl-4-nonanol, 50 mm.	137	Nonazeotrope		981
		" 10 mm.	103	Nonazeotrope		981
A =	**$C_{12}H_{26}$**	**Dodecane**	**216**			
15807	$C_{16}H_{34}$	Hexadecane, 10-760 mm.		Nonazeotrope	v-l	447
A =	**$C_{13}H_{10}$**	**Fluorene**	**294**			
15808	$C_{14}H_{30}O$	Tetradecanol, Low press.		Nonazeotrope		272
		High press.		Min. b.p.		272
15809	$C_{17}H_{36}O$	Heptadecanol, Low press.		Nonazeotrope		272
		High press.		Min. b.p.		272
A =	**$C_{13}H_{10}O_2$**	**Phenyl Benzoate**	**315**			
15810	$C_{14}H_{12}$	Stilbene	306.5	Nonazeotrope		575

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No.	B-Component Formula	Name	B.P., °C	Azeotropic Data B.P., °C	Wt.%A		Ref.
A =	**$C_{13}H_{10}O_2$**	**Phenyl Benzoate** *(continued)*					
15811	$C_{14}H_{14}O$	Benzyl ether	297	Nonazeotrope			557
A =	**$C_{13}H_{12}O$**	**Benzyl Phenyl Ether**	**286.5**				
15812	$C_{14}H_{14}$	1,2-Diphenylethane	284.5	Nonazeotrope			558
A =	**$C_{13}H_{26}O_2$**	**Methyl Laurate**					
15813	$C_{15}H_{30}O_2$	Methyl myristate 20-100 mm.		Nonazeotrope		v-l	825
A =	**$C_{14}H_{10}$**	**Phenanthrene**	**340**				
15814	$C_{14}H_{14}$	Bibenzyl	284	Nonazeotrope		v-l	645
15815	$C_{14}H_{30}O$	Tetradecanol		% Phenanthrene increases with pressure; min. b.p.			272
15816	$C_{16}H_{34}$	Hexadecane 100 mm.		Nonazeotrope		v-l	645
15817	$C_{17}H_{36}O$	Heptadecanol		% Phenanthrene increases with pressure; min. b.p.			272
A =	**$C_{14}H_{14}$**	**Bibenzyl**	**284**				
15818	$C_{16}H_{34}$	Hexadecane 100 mm.	209.5	200	76.3	v-l	645
A =	**$C_{15}H_{30}O_2$**	**Methyl Myristate**					
15819	$C_{17}H_{34}O_2$	Methyl palmitate 20-100 mm		Nonazeotrope		v-l	825
A =	**$C_{16}H_{32}O_2$**	**Palmitic Acid**					
15820	$C_{18}H_{36}O_2$	Stearic acid, 5 mm.				v-l	391
A =	**$C_{17}H_{34}O_2$**	**Methyl Palmitate**					
15821	$C_{19}H_{38}O_2$	Methyl stearate 20-100 mm.		Nonazeotrope		v-l	825
A =	**$C_{18}H_{34}O_2$**	**Oleic Acid**					
15822	$C_{18}H_{34}O_3$	Ricinoleic acid, 5 mm.				v-l	391
15823	$C_{18}H_{36}O_2$	Stearic acid, 5 mm.				v-l	391
15824	$C_{20}H_{20}O_2$	Abietic acid, 1-10 mm.		Nonazeotrope		v-l	454
A =	**$C_{19}H_{36}O_2$**	**Methyl Oleate**					
15825	$C_{19}H_{38}O_2$	Methyl stearate		Nonazeotrope		v-l	824

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Table II.

A-Component				B-Component		
No.	Formula		B.P., °C.	Formula	Name	B.P., °C.
15826	A	Argon	—186	N_2	Nitrogen	—195
15827	BCl_3	Boron chloride	11.5	B_2H_6	Boron hydride	— 92.5
15827a	BeF_2	Beryllium fluoride		FLi	Lithium fluoride	1670
15828	BrH	Hydrobromic acid	— 67	H_2O	Water	100
		"			"	
15828a	CHN	Hydrocyanic acid	26	C_2H_3N	Acetonitrile	81.6
15828b	CHN	Hydrocyanic acid	26	C_3H_3N	Acrylonitrile	77.3
15828c	CO	Carbon monoxide	—192	CO_2	Carbon dioxide	— 79.1
15829	CO	Carbon monoxide	—192	H_2	Hydrogen	—252.7
15830	ClF_3	Chlorine trifluoride		FH	Hydrogen fluoride	19.4
15831	ClH	Hydrochloric acid	— 80	H_2O	Water	100
		"			"	
15831a	ClH	Hydrochloric acid	— 80	H_2O	Water	100
	"	"		"	"	
15832	ClH	Hydrochloric acid	— 80	H_2O	Water	100
15833	ClH	Hydrochloric acid	— 80	C_5H_5N	Pyridine	115.5
15834	$POCl_3$	Phosphorus oxychloride	107.2	$VOCl_3$	Vanadium oxychloride	127.2
15834a	Cl_4Si	Silicon tetrachloride	56.7	C_3H_9ClSi	Chlorotrimethylsilane	57.5
15834b	Cl_4Si	Silicon tetrachloride	56.7	C_3H_9ClSi	Chlorotrimethylsilane	57.5
15835	FH	Hydrofluoric acid	19.4	$FHSO_3$	Fluorosulfuric acid	
15836	FH	Hydrofluoric acid	19.4	F_6H_2Si	Fluosilicic acid	
15837	FH	Hydrofluoric acid	19.4	H_2O	Water	100
15838	FH	Hydrofluoric acid	19.5	H_2O	Water	100
15839	FH	Hydrofluoric acid	19.4	SO_2	Sulfur dioxide	— 10
		"			" "	
15839a	FH	Hydrofluoric acid	19	$C_2Cl_3F_3$	1,1,2-Trichlorotrifluoroethane	47
15840	F_4Si	Silicon tetrafluoride		C_2F_6	Hexafluoroethane	— 78
15841	HNO_3	Nitric acid	86	H_2O	Water	100
15842	HNO_3	Nitric acid		H_2O	Water	100
15842a	H_2O	Water	100	H_2S	Hydrogen sulfide	—63.5
15843	H_2O	Water	100	H_4N_2	Hydrazine	113.5
15844	H_2O	Water	100	SO_2	Sulfur dioxide	— 10

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C-Component			Azeotropic Data					
Formula	Name	B.P., °C.		B.P., °C.	Wt. % A	Wt. % B	Wt. % C	Ref.
O_2	Oxygen	—183	90°–120°K.		Nonazeotrope			v-l 685c
ClH	Hydrogen chloride	— 80			Nonazeotrope			638
F_4Th	Thorium tetrafluoride				Nonazeotrope			v-l 896c
C_6H_5Cl	Chlorobenzene	131.8		105	10.4	11.0	78.6	215
	"		100 mm	56.4	12.2	12.3	75.5	215
C_3H_4O	Acrolein	52.45			Nonazeotrope			v-l 905f
C_3H_4O	Acrolein	52.45	400 mm		Nonazeotrope			v-l 905f
H_2	Hydrogen	—252.7	200 atm		Nonazeotrope			v-l 966c
N_2	Nitrogen	—195.8			20 atmos. to crit. pt.			v-l 6
F_6U	Uranium hexafluoride	56			Nonazeotrope			v-l 238,828
C_6H_5Cl	Chlorobenzene	131.8		96.9	5.3	20.2	74.5	762
	"		100 mm	49.5	4.8	15.9	79.3	215
C_6H_5ClO	*o*-Chlorophenol		120 mm	62.6	14	47	39	215
"	"	175	750 mm	105.0	13	48	39	215
C_6H_6O	Phenol	182		107.33	15.8	64.8	19.4	762
$C_{10}H_8$	Naphthalene	218.1		189.6				942
$TiCl_4$	Titanium tetrachloride	136.4			Nonazeotrope			v-l 702
$C_4H_7ClO_2$	Ethyl chloroacetate	143.5			Nonazeotrope			v-l 886e
$C_4H_8Cl_2O$	Bis(2-chloroethyl) ether	178	60°C.		Nonazeotrope			v-l 886c
H_2O	Water	100						v-l 433
H_2O	Water	100		116.1	10	36	54	670
C_2H_6O	Ethyl alcohol	78.3		103	30	10	60	135
$C_4HF_7O_2$	Perfluorobutyric acid			108	12	28	60	659
CCl_2F_2	Dichlorodifluoromethane			— 36				48
	" "	44 p.s.i.g		4	3.5	12	84	48
C_3F_6O	Hexafluoroacetone			13	8.6	20.1	71.3	101c
C_2H_6	Ethane	— 88		—104	24.6	32.7	42.7	120
SO_3	Sulfur trioxide	47			Vapor pressure data			563
$CHCl_3$	Chloroform	61			92	3	5	738
H_3N	Ammonia	—33	600 mm		Nonazeotrope			v-l 326e
$C_2H_8N_2$	1,1-Dimethylhydrazine				Nonazeotrope			v-l 656,736
C_2H_4O	Acetaldehyde	20.2						v-l 777

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A-Component				B-Component		
No.	Formula		B.P., °C.	Formula	Name	B.P., °C.
15845	H_2O	Water	100	CCl_4	Carbon tetrachloride	76.75
15846	H_2O	Water	100	CCl_4	Carbon tetrachloride	76.75
15847	H_2O	Water	100	CCl_4	Carbon tetrachloride	76.75
		"			"	
15848	H_2O	Water	100	CCl_4	Carbon tetrachloride	76.75
15849	H_2O	Water	100	CCl_4	Carbon tetrachloride	76.75
		"			"	
15850	H_2O	Water	100	CCl_4	Carbon tetrachloride	76.75
15851	H_2O	Water	100	CCl_4	Carbon tetrachloride	76.75
15851a	H_2O	Water	100	CCl_4	Carbon tetrachloride	76.7
15852	H_2O	Water	100	CCl_4	Carbon tetrachloride	76.75
15853	H_2O	Water	100	CS_2	Carbon disulfide	46.25
15854	H_2O	Water	100	CS_2	Carbon disulfide	46.25
15855	H_2O	Water	100	CS_2	Carbon disulfide	46.25
15856	H_2O	Water	100	CS_2	Carbon disulfide	46.25
15857	H_2O	Water	100	CS_2	Carbon disulfide	46.25
15858	H_2O	Water	100	$CHBrCl_2$	Bromodichloromethane	90.2
15859	H_2O	Water	100	$CHBrCl_2$	Bromodichloromethane	90.2
15860	H_2O	Water	100	$CHBrCl_2$	Bromodichloromethane	90.2
15861	H_2O	Water	100	$CHBrCl_2$	Bromodichloromethane	90.2
15862	H_2O	Water	100	$CHCl_3$	Chloroform	61
15863	H_2O	Water	100	$CHCl_3$	Chloroform	61
15864	H_2O	Water	100	$CHCl_3$	Chloroform	61
		"			"	
15865	H_2O	Water	100	$CHCl_3$	Chloroform	61
15866	H_2O	Water	100	$CHCl_3$	Chloroform	61
		"			"	
		"			"	
15867	H_2O	Water	100	$CHCl_3$	Chloroform	61
15868	H_2O	Water	100	$CHCl_3$	Chloroform	61
15868a	H_2O	Water	100	$CHCl_3$	Chloroform	61
15869	H_2O	Water	100	CH_2Cl_2	Dichloromethane	41.5
15870	H_2O	Water	100	CH_2Cl_2	Dichloromethane	40
15871	H_2O	Water	100	CH_2O_2	Formic acid	100.8
15872	H_2O	Water	100	CH_2O_2	Formic acid	100.8
	"	"	"	"	"	"
15872a	H_2O	Water	100	CH_2O_2	Formic acid	100.8

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TABLE II. *Ternary Systems*

C-Component			Azeotropic Data				
Formula	Name	B.P., °C.	B.P., °C.	Wt. % A	Wt. % B	Wt. % C	Ref.
C_2H_3N	Acetonitrile	81.6	60				763
C_2H_5ClO	2-Chloroethanol	128.8		min. b.p.			479
C_2H_6O	Ethyl alcohol	78.3	62	4.5	85.5	10	563
	" "		61.8	3.4	86.3	10.3	382
C_3H_6O	Acetone	57		Nonazeotrope			29
C_3H_6O	Allyl alcohol	96.95	65.15	5	84	11	563
	" "		65.4	4.13	90.43	5.44	358
C_3H_8O	Propyl alcohol	97.2	65.4	5	84	11	563
C_4H_8O	2-Butanone	79.6	65.7	3	74.8	22.2	29
$C_4H_{10}O$	*sec*-Butyl alcohol	99	65	4.05	91.0	4.95	623c
$C_4H_{10}O$	*tert*-Butyl alcohol	82.5	64.7	3.1	85.0	11.9	29
CH_4O	Methanol	64.7		Nonazeotrope			29
C_2H_7N	Acetonitrile	81.6	39				763
C_2H_6O	Ethyl alcohol	78.3	41.3	1.6	93.4	5.0	324
C_3H_6O	Acetone	56.4	38.042	0.81	75.21	23.98	947
$C_4H_8O_2$	Dioxane	101.4		Nonazeotrope			201
C_2H_6O	Ethyl alcohol	78.3	72.0	7.5	>70	<22.5	563
C_3H_6O	Allyl alcohol	96.95	76				563
C_3H_8O	Isopropyl alcohol	82.45	~ 74.5				563
$C_4H_{10}O$	Isobutyl alcohol	108	77.5				563
CH_2O_2	Formic acid	100.75		Nonazeotrope		v-l	171
CH_4O	Methanol	64.7	52.3	1.3	90.5	8.2	498i
C_2H_3N	Acetonitrile	81.6		Nonazeotrope			981
	"			Min. b.p.			763
$C_2H_4O_2$	Acetic acid	118.1		Nonazeotrope		v-l	171
C_2H_6O	Ethyl alcohol	78.3	78.0	3.9	91.2	4.9	982
	" "		55.3	2.3	94.2	3.5	497
	" "		55.4	3.5	92.5	4	1000
C_3H_6O	Acetone	56.4	60.4?	40	57.6	38.4	803
C_4H_8O	2-Butanone	79.6		Nonazeotrope			981
$C_5H_{10}O$	2-Methyl-3-buten-2-ol	97		Nonazeotrope			581c
C_2H_6O	Ethyl alcohol	78.3		Nonazeotrope			36
C_4H_8O	2-Butanone	79.6		Nonazeotrope		v-l	620
$C_2H_4Cl_2$	1,2-Dichloroethane	83.7		Nonazeotrope		v-l	112
$C_2H_4O_2$	Acetic acid	118.1 (50 mm)	40.4	26.2	39.1	65.3	v-l 507e
"	"	118.1 (200 mm)	69.8	23.4	45.7	30.9	v-l 507e
$C_3H_6O_2$	Propionic acid	140.7	107.2	18.6	71.9	9.5	v-l 507g

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A-Component				B-Component		
No.	Formula		B.P., °C.	Formula	Name	B.P., °C.
15872b	H_2O	Water	100	CH_2O_2	Formic acid	100.8
15872c	H_2O	Water	100	CH_2O_2	Formic acid	100.8
15873	H_2O	Water	100	CH_2O_2	Formic acid	100.75
15873a	H_2O	Water	100	CH_2O_2	Formic acid	100.8
15873b	H_2O	Water	100	CH_2O_2	Formic acid	100.8
15874	H_2O	Water	100	CH_2O_2	Formic acid	100.8
		"			" "	
		"			" "	
15875	H_2O	Water	100		Formic acid	100.75
15876	H_2O	Water	100	CH_3NO_2	Nitromethane	101
15877	H_2O	Water	100	CH_3NO_2	Nitromethane	101.5
15878	H_2O	Water	100	CH_3NO_2	Nitromethane	101
		"			"	
					"	
15879	H_2O	Water	100	CH_3NO_2	Nitromethane	101
15880	H_2O	Water	100	CH_3NO_2	Nitromethane	101.2
15881	H_2O	Water	100	CH_3NO_2	Nitromethane	101.2
15882	H_2O	Water	100	CH_3NO_2	Nitromethane	101.2
15883	H_2O	Water	100	CH_3NO_2	Nitromethane	101.2
15884	H_2O	Water	100	CH_3NO_2	Nitromethane	101.2
15885	H_2O	Water	100	CH_3NO_2	Nitromethane	101.2
					"	
15886	H_2O	Water	100	CH_3NO_2	Nitromethane	101.2
15887	H_2O	Water	100	CH_3NO_2	Nitromethane	101.5
		"			"	
15888	H_2O	Water	100	CH_3NO_2	Nitromethane	101.2
15889	H_2O	Water	100	CH_3NO_2	Nitromethane	101.5
		"			"	
15890	H_2O	Water	100	CH_3NO_2	Nitromethane	101.2
15891	H_2O	Water	100	CH_3NO_2	Nitromethane	101.2
		"			"	
15892	H_2O	Water	100	CH_3NO_2	Nitromethane	101.5
15893	H_2O	Water	100	CH_3NO_2	Nitromethane	101.5
15894	H_2O	Water	100	CH_3NO_2	Nitromethane	101.5
15895	H_2O	Water	100	CH_4O	Methanol	64.3
15896	H_2O	Water	100	CH_4O	Methanol	64.7
15897	H_2O	Water	100	CH_4O	Methanol	64.7
15898	H_2O	Water	100	CH_4O	Methanol	64.7
15899	H_2O	Water	100	CH_4O	Methanol	64.7
		"			"	
15900	H_2O	Water	100	CH_4O	Methanol	64.7
15901	H_2O	Water	100	CH_4O	Methanol	64.7
15902	H_2O	Water	100	CH_4O	Methanol	64.7
15902a	H_2O	Water	100	CH_4O	Methanol	64.3

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C-Component			Azeotropic Data					
Formula	Name	B.P., °C.		B.P., °C.	Wt. % A	Wt. % B	Wt. % C	Ref.
$C_4H_8O_2$	Butyric acid	162.4		107.62	19.5	75.9	4.6	507i
$C_4H_8O_2$	Isobutyric acid	154		107.02	15.5	66.8	17.7	507i
C_5H_5N	Pyridine	115.5			Nonazeotrope			v-l 1058
$C_5H_{10}O_2$	Isovaleric acid	176.5		107.64	21.3	76.3	2.4	507i
$C_5H_{10}O_2$	Valeric acid	186			Nonazeotrope			507i
C_6H_6	Benzene	80.1	499 mm	60	3.43	6.76	89.83	979
	"		278.1 mm	45	3.16	6.34	90.49	979
	"		144.4 mm	30	4.07	6.27	89.65	979
C_8H_{10}	*m*-Xylene	139		97.5?	10.6	40.4	49.0	803
C_2Cl_4	Tetrachloroethylene	120.8		77.84				611
C_2H_5ClO	2-Chloroethanol	128.8			Nonazeotrope			479
C_3H_8O	Isopropyl alcohol	82.3			11.7	36.8	51.5	480
	" "			78	6	32	62	858
	" "				Liquid-vapor equilibrium			858
C_3H_8O	Propyl alcohol	97.2		82.3	17.5	55.9	26.6	v-l 285
$C_5H_{10}O$	3-Pentanone	102.2		82.4	18?	17?	65?	563
C_5H_{12}	Pentane	36.07		33.1	2.1	6.5	91.4	806
C_6H_{12}	1-Hexene	63.84		55.5	5.8	12.8	82.0	806
C_6H_{14}	Hexane	68.74		56.9	6.7	16.0	77.3	806
C_7H_{14}	1-Heptene	93.64		69.7	13.4	26.1	60.5	806
C_7H_{16}	Heptane	98.43		70.6	10.6	34.2	55.2	806
	"		748 mm	71.43	7.88	29.73	62.39	613
C_8H_{16}	1-Octene	121.28		77.4	14.2	41.8	44.0	806
C_8H_{18}	Octane	125.7	748 mm	77.35	12.40	44.25	43.35	613
	"			77.7	15.1	43.3	41.6	806
C_9H_{18}	1-Nonene	146.87		81.1	21.9	54.3	23.8	806
C_9H_{20}	Nonane	150.8	748 mm	80.72	17.4	58.3	24.3	613
	"			80.7	19.4	55.8	24.2	806
$C_{10}H_{20}$	1-Decene	170.57		82.5	29.2	57.8	13.0	806
$C_{10}H_{22}$	Decane	174.12		82.5	22.7	64.2	13.1	806
	"		748 mm	82.35	19.1	68.1	12.8	613
$C_{11}H_{24}$	Undecane	194.5	748 mm	82.82	20.6	73.3	6.1	613
$C_{12}H_{26}$	Dodecane	214.5	748 mm	83.13	21.5	75.3	3.2	613
$C_{13}H_{28}$	Tridecane	234	748 mm	83.21	22.8	75.4	1.8	613
$C_2Cl_3F_3$	1,1,2-Trichlorotrifluoroethane	47.5		39.4	0.6	3.0	96.4	982
C_2H_6O	Ethyl alcohol	78.3			Nonazeotrope			v-l 198
$C_3H_5ClO_2$	Methyl chloroacetate	131.4		67.85	5.26	81.20	13.54	121
C_3H_6O	Propionaldehyde	47.9			Nonazeotrope			981
$C_3H_6O_2$	Methyl acetate	57			Nonazeotrope			359
	" "	57.1			Nonazeotrope			v-l 179,36i
C_3H_8O	Isopropyl alcohol	82.3			Nonazeotrope			981
$C_3H_8O_2$	Methylal	42.3			Nonazeotrope			324,581c
$C_4H_6O_2$	Methyl acrylate	80.9			Nonazeotrope			981
$C_4H_6O_2$	Vinyl acetate				Nonazeotrope			v-l 830c

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A-Component				B-Component		
No.	Formula		B.P., °C.	Formula	Name	B.P., °C.
15903	H_2O	Water	100	CH_4O	Methanol	64.7
15904	H_2O	Water	100	CH_4O	Methanol	64.7
15905	H_2O	Water	100	CH_4O	Methanol	64.7
15905a	H_2O	Water	100	CH_4O	Methanol	64.3
15906	H_2O	Water	100	CH_4O	Methanol	64.7
15907	H_2O	Water	100	CH_4O	Methanol	64.7
		"				
15908	H_2O	Water	100	CH_4O	Methanol	64.7
15909	H_2O	Water	100	CH_4O	Methanol	64.7
15909a	H_2O	Water	100	CH_4O	Methanol	64.3
15909b	H_2O	Water	100	CH_4O	Methanol	64.3
15910	H_2O	Water	100	CH_4O	Methanol	64.7
15911	H_2O	Water	100	CH_4O	Methanol	64.7
15912	H_2O	Water	100	CH_4O	Methanol	64.7
15913	H_2O	Water	100	CH_4O	Methanol	64.7
15914	H_2O	Water	100	CH_4O	Methanol	64.7
15915	H_2O	Water	100	CH_4O	Methanol	64.7
15916	H_2O	Water	100	CH_4O	Methanol	64.7
15917	H_2O	Water	100	$C_2Cl_3F_3$	1,1,2-Trichlorotrifluoroethane	47.5
15918	H_2O	Water	100	C_2Cl_4	Tetrachloroethylene	120.8
15919	H_2O	Water	100	C_2Cl_4	Tetrachloroethylene	120.8
		"			"	
15920	H_2O	Water	100	C_2HCl_3	Trichloroethylene	86.95
		"			"	
15921	H_2O	Water	100	C_2HCl_3	Trichloroethylene	86.95
		"			"	
15922	H_2O	Water	100	C_2HCl_3	Trichloroethylene	86.95
		"			"	
		"			"	
		"			"	
		"			"	
15923	H_2O	Water	100	C_2HCl_3	Trichloroethylene	86.95
		"			"	
15924	H_2O	Water	100	C_2HCl_3	Trichloroethylene	86.95
		"			"	
15925	H_2O	Water	100	C_2HCl_3	Trichloroethylene	86.2
		"			"	
15926	H_2O	Water	100	C_2HCl_3	Trichloroethylene	86.2

C-Component			Azeotropic Data				
Formula	Name	B.P., °C.	B.P., °C.	Wt. % A	Wt. % B	Wt. % C	Ref.
$C_4H_8O_2$	Ethyl acetate	77.1		Nonazeotrope		v-l	7
$C_4H_8O_2$	Methyl propionate	79.85		Nonazeotrope			227
C_4H_{10}	2-Methylpropane	—11.7		Nonazeotrope			981
$C_4H_{10}O$	*tert*-Butyl alcohol	82.5		Nonazeotrope			581c
$C_4H_{10}O$	Isobutyl alcohol	108		Nonazeotrope			422
$C_4H_{10}O_2$	Acetaldehyde dimethylacetal	64.3		Nonazeotrope			45
$C_4H_{10}O_2$	Ethoxymethoxy-methane	65.90		Nonazeotrope			1035
C_5H_6O	2-Methylfuran	63.7	51.2				769
C_5H_8	Isoprene	34	30.2	0.6	5.4	94.0	581c
$C_5H_{12}O$	*tert*-Butyl methyl ether	55		Nonazeotrope			581c
C_6H_6	Benzene	80.2		Nonazeotrope			1044
C_6H_8	1,3-Cyclohexadiene	80.8		Nonazeotrope			563
C_6H_{10}	Biallyl	60.2		Nonazeotrope			563
C_6H_{10}	Cyclohexene	82.75		Nonazeotrope			563
C_6H_{12}	Cyclohexane	80.75		Nonazeotrope			563
C_6H_{14}	Hexane	68.95		Nonazeotrope			563
C_7H_8	Toluene	110.7		Nonazeotrope			563
C_2H_6O	Ethyl alcohol	78.3	42.6	0.6	3.9	95.5	982
C_2H_3N	Acetonitrile	81.6	72				763
C_3H_8O	Propyl alcohol	97.2	88				563
	" "		81.18	12.45	66.75	20.80	611
C_2H_3N	Acetonitrile	81.6	67	6.4	73.1	20.5	763
	"			Liquid-vapor equilibrium			763
C_2H_5ClO	2-Chloroethanol	128		Nonazeotrope			672
	"		70.8-71.5				253
C_2H_6O	Ethyl alcohol, 118 mm		25.1	3.4	85.1	11.5	584
	" 509 mm		52.5	5.2	79.6	15.2	584,803
	" 760 mm		67	5.5	78.4	16.1	165,584
	" 2060 mm		96	7.1	72.3	20.6	584
	" 5660 mm		131	8.3	70.5	21.2	584
C_3H_6O	Allyl alcohol	96.95	71.6	6.55	84.7	8.75	358,563
	" "		71.4	7.5	80	12.5	981
C_3H_8O	Isopropyl alcohol	82.45	~ 70				563
	" "		69.4	7	73	20	982
C_3H_8O	Propyl alcohol	97.3		7.1	84.8	8.1	480
	" "		71.55	7	81	12	563
$C_4H_{10}O$	Isobutyl alcohol	108	72.7				563

A-Component				B-Component		
No.	Formula		B.P., °C.	Formula	Name	B.P., °C.
15927	H_2O	Water	100	$C_2H_2Cl_2$	*cis*-1,2-Dichloroethylene	60.25
15928	H_2O	Water	100	$C_2H_2Cl_2$	*trans*-1,2-Dichloroethylene	48.35
15929	H_2O	Water	100	$C_2H_2Cl_4$	1,1,2,2-Tetrachloroethane	146.35
15930	H_2O	Water	100	C_2H_3N	Acetonitrile	81.6
15931	H_2O	Water	100	C_2H_3N	Acetonitrile	81.6
15932	H_2O	Water	100	C_2H_3N	Acetonitrile	81.6
15933	H_2O	Water	100	C_2H_3N	Acetonitrile	81.6
15934	H_2O	Water	100	C_2H_3N	Acetonitrile	81.6
15935	H_2O	Water	100	C_2H_3N	Acetonitrile	81.5
15936	H_2O	Water	100	C_2H_3N	Acetonitrile	81.5
15937	H_2O	Water	100	C_2H_3N	Acetonitrile	81.6
15938	H_2O	Water	100	C_2H_3N	Acetonitrile	81.5
15939	H_2O	Water	100	C_2H_3N	Acetonitrile	81.6
15940	H_2O	Water	100	C_2H_3N	Acetonitrile	81.6
15941	H_2O	Water	100	C_2H_3N	Acetonitrile	81.6
15942	H_2O	Water	100	C_2H_3N	Acetonitrile	81.6
15943	H_2O	Water	100	C_2H_3N	Acetonitrile	81.6
15944	H_2O	Water	100	$C_2H_4Cl_2$	1,2-Dichloroethane	83.7
		"			"	
15945	H_2O	Water	100	$C_2H_4Cl_2$	1,2-Dichloroethane	83.7
		"			"	
15946	H_2O	Water	100	$C_2H_4Cl_2$	1,2-Dichloroethane	83.5
15947	H_2O	Water	100	C_2H_4O	Acetaldehyde	20.2
		"			"	
15947a	H_2O	Water	100	C_2H_4O	Acetaldehyde	20.2
15948	H_2O	Water	100	C_2H_4O	Acetaldehyde	20.2
15948a	H_2O	Water	100	$C_2H_4O_2$	Acetic acid	118.1
15949	H_2O	Water	100	$C_2H_4O_2$	Acetic acid	118.1
15950	H_2O	Water	100	$C_2H_4O_2$	Acetic acid	118.1
15951	H_2O	Water	100	$C_2H_4O_2$	Acetic acid	118.5
15952	H_2O	Water	100	$C_2H_4O_2$	Acetic acid	118.1
15953	H_2O	Water	100	$C_2H_4O_2$	Acetic acid	118.1
15954	H_2O	Water	100	C_2H_5Br	Bromoethane	38.4
15955	H_2O	Water	100	C_2H_5ClO	2-Chloroethanol	128
15956	H_2O	Water	100	C_2H_5ClO	2-Chloroethanol	128.8
15957	H_2O	Water	100	C_2H_5ClO	2-Chloroethanol	128
		"			"	
15958	H_2O	Water	100	C_2H_5ClO	2-Chloroethanol	128.8
15959	H_2O	Water	100	C_2H_5ClO	2-Chloroethanol	128.8
15960	H_2O	Water	100	C_2H_5ClO	2-Chloroethanol	128.8
15961	H_2O	Water	100	C_2H_5I	Iodoethane	72.3
15962	H_2O	Water	100	$C_2H_5NO_2$	Nitroethane	114.07
15963	H_2O	Water	100	$C_2H_5NO_2$	Nitroethane	114.07

In Azeotropic Data—III; Horsley, L.;
Advances in Chemistry; American Chemical Society: Washington, DC, 1973.

C-Component			Azeotropic Data				
Formula	Name	B.P., °C.	B.P., °C.	Wt. % A	Wt. % B	Wt. % C	Ref.
C_2H_6O	Ethyl alcohol	78.3	53.8	2.85	90.5	6.65	148
C_2H_6O	Ethyl alcohol	78.3	44.4	1.1	94.5	4.4	148
C_2H_6O	Acetonitrile	81.6		Nonazeotrope			763
C_2H_6O	Ethyl alcohol	78.3	72.9	1	44	55	982
C_3H_3N	Acrylonitrile	72.1		Nonazeotrope v-l			63, 997c,953c,997f
C_3H_6O	Acetone	56.4		Nonazeotrope		v-l	763
$C_4H_8O_2$	Ethyl acetate	77	70				763
$C_4H_{11}N$	Diethylamine	55.5		Nonazeotrope			981
C_5H_8	Isoprene		32.4	1.08	2.32	97.6	742
C_5H_{10}	β-amylene		34.6	1.3	7.8	90.9	742
$C_5H_{10}O_2$	Propyl acetate	101.6	74				763
C_6H_{12}	2-Methylbutane		24.7	0.76	5.70	93.54	742
C_6H_6	Benzene	80.2	66	8.2	23.3	68.5	763
$C_6H_{12}O_2$	Butyl acetate	124.8		Nonazeotrope			763
$C_6H_{14}O$	Isopropyl ether	68.3	59	5	13	82	981
$C_6H_{15}N$	Triethylamine	89.7	68.6	3.5	9.6	86.9	498i
C_7H_8	Toluene	110.7	73				763
C_2H_5ClO	2-Chloroethanol	128		Nonazeotrope			479,672
	"		69.6				253
C_2H_6O	Ethyl alcohol	78.3	66.7	5	78	17	563
	" "		67.8	7.2	77.1	15.7	982
C_3H_8O	Isopropyl alcohol	82.3	69.7	7.7	73.3	19.0	982
C_2H_6O	Ethyl alcohol	78.3		Nonazeotrope		v-l	451
	" "					v-l	374
$C_3H_6O_2$	Methyl acetate	57.1		Nonazeotrope		v-l	985c
$C_6H_{12}O_3$	Paraldehyde	124		Nonazeotrope		v-l	981
$C_3H_6O_2$	Methyl acetate	57.1		Nonazeotrope		v-l	36g
$C_3H_6O_2$	Propionic acid	141.1		Nonazeotrope		v-l	26
$C_5H_4O_2$	Furfural	161.7		Nonazeotrope		v-l	971
C_7H_8	Toluene	110.7		Nonazeotrope			563
C_8H_{10}	Ethylbenzene	136		Min. b.p.			65
C_8H_{10}	Xylene	140		Min. b.p.			65
C_2H_6O	Ethyl alcohol	78.3		Azeotropic ?			563
$C_4H_8Cl_2O$	Bis(2-chloro-ethyl) ether	178		Min. b.p.			672
$C_4H_8O_2$	Ethyl acetate	77.1		Nonazeotrope			479
C_6H_6	Benzene	80.1		Nonazeotrope			479,672
	"		67.0				253
C_6H_{12}	Cyclohexane	80.7		min. b.p.			
$C_6H_{14}O$	Isopropyl ether	68.5		Nonazeotrope			
C_7H_8	Toluene	110.6		min. b.p.			
C_2H_6O	Ethyl alcohol	78.3	61	~ 5	~ 86	~ 9	563
C_6H_{14}	1-Hexene	63.84	57.4	10.1	3.0	86.9	806
C_6H_{12}	Hexane	68.74	59.5	8.4	9.3	82.3	806

In Azeotropic Data—III; Horsley, L.;
Advances in Chemistry; American Chemical Society: Washington, DC, 1973.

A-Component				B-Component		
No.	Formula		B.P., °C.	Formula	Name	B.P., °C.
15964	H_2O	Water	100	$C_2H_5NO_2$	Nitroethane	114.07
15965	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
		"			" "	
15966	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15967	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15968	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15969	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15970	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15971	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15972	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15973	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15974	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15975	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15976	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15977	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15978	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15979	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15980	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
		"			" "	
		"			" "	
		"			" "	
15981	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15982	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15982a	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15982b	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15982c	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15983	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
		"			" "	
15984	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15985	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15986	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15987	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15988	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15989	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15990	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15991	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15992	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3

C-Component			Azeotropic Data					
Formula	Name	B.P., °C.	B.P., °C.	Wt. % A	Wt. % B	Wt. % C		Ref.
C_7H_{16}	Heptane	98.43	75.1	11.5	24.5	64.0		806
C_3H_3N	Acrylonitrile	77.2	69.5	8.7	20.3	71.0		982
	" 100 mm		<30	6.6	9.0	84.4		982
C_3H_5Br	*cis*-1-Bromopropene	57.8	54?	3	6	91		563
C_3H_5Br	*trans*-1-Bromopropene	63.25	54.5	4	87.5	7.5		563
C_3H_6Br	2-Bromopropene	48.35	43.3?	1	4	95		563
C_3H_6I	3-Iodopropene	102	72					563
C_3H_6O	Acetone	56.1		Nonazeotrope				981
$C_3H_6O_2$	Ethyl formate	54.2		Nonazeotrope				981
C_3H_7Br	1-Bromopropane	71.0	60.0	3.5	9.6	86.9		498i
$C_3H_7NO_2$	2-Nitropropane	120.25	78.2	6.1	86.3	7.6		806
C_4H_6O	Crotonaldehyde	102.4	78.0	4.8	87.9	7.3		982
$C_4H_6O_2$	Biacetyl	88		Nonazeotrope ?				640
$C_4H_7ClO_2$	Ethyl chloroacetate	143.5	31.35	17.5	61.7	20.8		121
C_4H_8O	2-Butanone	79.6	73.2	11	14	75		982
C_4H_8O	Butyraldehyde	75.7	67.2	9	11	80		982
C_4H_8O	Ethyl vinyl ether	35.5		Nonazeotrope				981
$C_4H_8O_2$	Ethyl acetate	77.05		Nonazeotrope				29
	" 25 mm		— 1.40	4.0	4.0	92.0		650
	" 760 mm		70.23	9.0	8.4	82.6	v-l	650, 452g
	" 1446 mm		88.96	10.3	12.1	77.6		650
C_4H_9Br	1-Bromo-2-methylpropane	91.4	69.5	5.8	18.4	75.8		498i
C_4H_9Cl	1-Chloro-2-methylpropane	68.85	58.62	4.5	13	82.5		563
$C_4H_{10}O$	Butyl alcohol	117		Nonazeotrope			v-l	452b
$C_4H_{10}O$	*tert*-Butyl alcohol	82.5					v-l	937c
$C_4H_{10}O$	Isobutyl alcohol	108	50°–130°			v-l	748c,	937c
$C_4H_{10}O$	Ethyl ether	34.5		Nonazeotrope				1033
	" "			Nonazeotrope			v-l	452
$C_4H_{10}O_2$	2-Ethoxyethanol	133		Nonazeotrope				33c
$C_4H_{10}O_2$	Ethoxymethoxymethane	65.90		Nonazeotrope				1035
$C_4H_{11}N$	Butylamine	77.8	81.8	7.5	42.5	50.0		982
$C_5H_8O_2$	Ethyl acrylate	99.3	77.1	10.1	48.3	41.6		982
	" " 165 mm		44	8.6	36.3	55.1		982
$C_5H_{10}O$	1-Butenyl methyl ether		61.4	6.8	14.3	78.9		981
$C_5H_{10}O$	Propyl vinyl ether	65.1	57	5.1	21.2	73.7		982
$C_5H_{10}O_2$	Isopropyl acetate	88.7	74.8	9.8	19.4	70.8		982,498c
$C_5H_{12}O$	Butyl methyl ether	70.3	62	6.3	8.6	85.1		982
$C_5H_{12}O$	Isoamyl alcohol	132		Nonazeotrope			v-l	652

A-Component				B-Component		
No.	Formula		B.P., °C.	Formula	Name	B.P., °C.
15993	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15994	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15995	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
		"			" "	
15996	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15997	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15998	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
15999	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
16000	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
16001	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
16002	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
		"			" "	
		"			" "	
16003	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
16004	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
		"			" "	
		"				
16005	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
		"			" "	
16006	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
16007	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
		"			" "	
		"			" "	
16008	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
16009	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
16010	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
16011	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
16012	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
		"			" "	
16013	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
16014	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
		"			" "	
16015	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
16016	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
		"			" "	
16017	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
16018	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
16019	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3
16020	H_2O	Water	100	$C_2H_6O_2$	Glycol	197.4
16021	H_2O	Water	100	C_2H_7N	Dimethylamine	7.4
16022	H_2O	Water	100	$C_2H_8N_2$	Ethylenediamine	116.9
16022a	H_2O	Water	100	C_3H_3N	Acrylonitrile	77.3
16023	H_2O	Water	100	C_3H_3N	Acrylonitrile	77.2
16023a	H_2O	Water	100	C_3H_3N	Acrylonitrile	77.3
16024	H_2O	Water	100	C_3H_4O	2-Propyn-1-ol	115

C-Component			Azeotropic Data					
Formula	Name	B.P., °C.	B.P., °C.	Wt. % A	Wt. % B	Wt. % C		Ref.
$C_5H_{12}O$	Diethoxymethane	87.5	73.2	12.8	18.4	69.5		324
C_6H_5Cl	Chlorobenzene	131.8	77.3	6.8	80.2	13.9		498i
C_6H_6	Benzene	80.2	64.86	7.4	18.5	74.1		1046
	"		Effect of pressure, 1-19 atm.					436
C_6H_8	1,3-Cyclohexadiene	80.8	63.6	7	20	73		563
C_6H_8	1,4-Cyclohexadiene	85.6	~ 65.5					563
C_6H_{10}	Biallyl	60.2	~ 52					563
C_6H_{10}	Cyclohexene	82.75	64.05	7	20	73		563
C_6H_{10}	1-Hexyne	70.2	59.9					377
C_6H_{10}	3-Hexyne	80.5	64.4					377
C_6H_{12}	Cyclohexane	80.75	62.1					563
	"		62.60	4.8	19.7	75.5		1059
	"	80.7	62.1	7	17	76		982
$C_6H_{12}O$	Isobutyl vinyl ether	83.4	60	8	22	70		982
C_6H_{14}	Hexane	68.22	56.4	3	18.7	78.3		949
	"	68.7	56.0	3	12	85		982
	"		56.60					1044
$C_6H_{14}O$	Butyl ethyl ether	92.2	71.6	9.0	22.4	68.6		497
	"		71.6	9.3	4.2	86.5		982
$C_6H_{14}O$	Ethyl isobutyl ether	79	66	6.5	15.8	77.7		981
$C_6H_{14}O$	Isopropyl ether	68.3	61.0	4.0	6.5	89.5		982
	" 100 p.s.i.g.		128.5	9.1	14.2	76.7		982
	" 50 p.s.i.g.		105.8	7.1	11.9	81		982
$C_6H_{14}O$	Isopropyl propyl ether		66	7.0	14.7	78.3		981
$C_6H_{14}O_2$	Acetal	103.6	77.8	11.4	27.6	61.0		45
$C_6H_{14}O_2$	Ethoxypropoxy-methane	113.7		Nonazeotrope				1035
$C_6H_{15}N$	Triethylamine	89.4	74.7	9	13	78		977
C_7H_8	Toluene	110.7	74.55					563
	"	110.6	74.4	12	37	51		982
C_7H_{12}	1-Heptyne	99.5	71.0					377
C_7H_{14}	Methylcyclohexane	101.8	~ 70.5					563
	"		69.59	6.8	32.4	60.8		949
$C_7H_{14}O_2$	Isoamyl acetate	90.8	69.0					377
C_7H_{16}	Heptane	98.45	~ 69.5					563
	"		68.8	6.1	33.00	60.9		982
C_8H_8	Styrene	145.1		Nonazeotrope				981
$C_8H_{18}O$	Butyl ether	142.1		Nonazeotrope				981
$C_8H_{18}O_2$	2-Ethyl-1,3-hexanediol	243.1		Nonazeotrope				981
$C_4H_8O_2$	Dioxane	101.4		Nonazeotrope				201
$C_4H_{11}NO$	2-(Dimethyl-amino) ethanol	134.6		Nonazeotrope				981
C_6H_6	Benzene	80.1		Nonazeotrope				981
C_3H_4O	Acrolein	52.4	200-760 mm	Nonazeotrope			v-l	905f, 905p
C_2H_3N	Propionitrile	97.4		Nonazeotrope				981
$C_4H_6O_2$	Vinyl acetate						v-l	335c
$C_5H_8O_2$	3,3-Dimethoxy-propyne	111	88.95					264

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A-Component				B-Component		
No.	Formula		B.P., °C.	Formula	Name	B.P., °C.
16025	H_2O	Water	100	C_3H_4O	2-Propyn-l-ol	115
		"			"	
16026	H_2O	Water	100	$C_3H_4O_2$	Acrylic acid	141.2
16027	H_2O	Water	100	C_3H_5I	3-Iodopropene	102
16028	H_2O	Water	100	C_3H_5I	3-Iodopropene	102
16029	H_2O	Water	100	$C_3H_6Cl_2$	1,2-Dichloro-propane	96.3
16030	H_2O	Water	100	C_3H_6O	Acetone	56.1
16031	H_2O	Water	100	C_3H_6O	Acetone	56.1
16032	H_2O	Water	100	C_3H_6O	Acetone	56.1
16033	H_2O	Water	100	C_3H_6O	Acetone	56.1
16034	H_2O	Water	100	C_3H_6O	Acetone	56.1
16035	H_2O	Water	100	C_3H_6O	Acetone	56.4
16036	H_2O	Water	100	C_3H_6O	Acetone	56.1
16037	H_2O	Water	100	C_3H_6O	Acetone	56.25
16038	H_2O	Water	100	C_3H_6O	Acetone	56.1
		"			"	
16039	H_2O	Water	100	C_3H_6O	Acetone	56.1
16040	H_2O	Water	100	C_3H_6O	Allyl alcohol	96.9
16041	H_2O	Water	100	C_3H_6O	Allyl alcohol	96.95
16042	H_2O	Water	100	C_3H_6O	Allyl alcohol	96.95
16043	H_2O	Water	100	C_3H_6O	Allyl alcohol	96.95
16044	H_2O	Water	100	C_3H_6O	Allyl alcohol	96.95
16045	H_2O	Water	100	C_3H_6O	Allyl alcohol	96.95
16046	H_2O	Water	100	C_3H_6O	Allyl alcohol	96.95
		"			" "	
16047	H_2O	Water	100	C_3H_6O	Allyl alcohol	96.6
		"			" "	
16048	H_2O	Water	100	C_3H_6O	Allyl alcohol	96.6
16049	H_2O	Water	100	$C_3H_6O_2$	Propionic acid	140.7
16050	H_2O	Water	100	$C_3H_6O_3$	Trioxane	114.5
16051	H_2O	Water	100	$C_3H_6O_3$	Trioxane	114.5
16052	H_2O	Water	100	$C_3H_6O_3$	Trioxane	114.5
16053	H_2O	Water	100	$C_3H_6O_3$	Trioxane	114.5
16054	H_2O	Water	100	$C_3H_6O_3$	Trioxane	114.5
16055	H_2O	Water	100	$C_3H_6O_3$	Trioxane	114.5
16056	H_2O	Water	100	$C_3H_6O_3$	Trioxane	114.5
16057	H_2O	Water	100	C_3H_7I	1-Iodopropane	102.4
16058	H_2O	Water	100	$C_3H_7NO_2$	1-Nitropropane	130.5
16059	H_2O	Water	100	$C_3H_7NO_2$	2-Nitropropane	120.25
16059a	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.3
16060	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.3
		"			"	
16061	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.45

C-Component			Azeotropic Data				
Formula	Name	B.P., °C.	B.P., °C.	Wt. % A	Wt. % B	Wt. % C	Ref.
C_6H_6	Benzene	80.1	68.1	8.3	3.7	88.0	163
	"		69	9	4	87	264
				Vapor-liquid equilibrium			885
$C_5H_8O_2$	Ethyl acrylate	99.3		Nonazeotrope			981
C_3H_6O	Allyl alcohol	96.95	77.7				563
C_3H_8O	Propyl alcohol	97.2	78.15	8	72	20	563
C_3H_7ClO	Propylene chlorohydrin	127.4		Nonazeotrope			981
C_3H_8O	Isopropyl alcohol	82.3		Nonazeotrope		v-l 152,	1042c
$C_4H_6O_2$	Vinyl acetate	72.7		Nonazeotrope			981
C_4H_8O	2-Butanone	79.6		Nonazeotrope			726
C_4H_8O	Butyraldehyde	74.8		Nonazeotrope			981
C_5H_6O	2-Methylfuran	63.7	55.6				769
C_5H_8	Isoprene	34.7	32.5	0.4	7.6	92.0	739
$C_5H_{10}O_2$	Isopropyl acetate	88.6		Nonazeotrope			981
C_6H_6O	Phenol	181.5		Nonazeotrope, vapor pressure curve			854,668c
$C_6H_{14}O$	Isopropyl ether	69	53.8	1.8	53.5	44.7	498i 304
	" 15 p.s.i.g.		75	3	49	48	981
C_nH_{2n+2}	Paraffin hydrocarbons		61-71	1.4	42.1	56.5 vol. %	461
C_3H_8O	Propyl alcohol	97.8		Nonazeotrope		v-l	998
C_6H_6	Benzene	80.2	68.21	3.58	9.16	82.26	875,1005
C_6H_8	1,3-Cyclohexadiene	80.8	67.5				563
C_6H_{10}	Cyclohexene	82.75	67.95	8.5	11	80.5	563
$C_6H_{10}O$	Allyl ether	94.8	77.8	12.4	8.7	78.9	875
C_6H_{12}	Cyclohexane	80.75	66.18	8	11	81	563
C_6H_{14}	Hexane	68.95	59.7	5	5	90	563
	"			8.5	5.1	86.4	480
C_7H_8	Toluene	110.6	80.6	15.2	31.4	53.4	981
	"		80.2				563
$C_9H_{16}O_2$	2,2-Bis(allyloxy) propane		88	28	55	17	981
$C_4H_8O_2$	Methyl propionate	79.85		Nonazeotrope			227
C_6H_{12}	Naphthenes			Min. b.p.			513
C_6H_{14}	Hexanes			Min. b.p.			513
C_7H_{14}	Naphthenes			Min. b.p.			513
C_7H_{16}	Heptanes			Min. b.p.			513
C_8H_{16}	Naphthenes			Min. b.p.			513
C_8H_{18}	Octanes			Min. b.p.			513
C_9H_{20}	Nonanes			Min. b.p.			513
C_3H_8O	Propyl alcohol	97.2	78.25				563
C_8H_{10}	Ethylbenzene	136		28.8	32.2	39	52,806
$C_4H_{10}O_2$	2-Ethoxyethanol	134.8		Nonazeotrope			806
$C_3H_8O_3$	Glycerol	290		Nonazeotrope		v-l	991d
C_4H_8O	2-Butanone	79.6	73.4	11	1	88	982
	"			Nonazeotrope			29
C_4H_9Cl	1-Chloro-2- methylpropane	63.85	61				563

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A-Component				B-Component		
No.	Formula		B.P., °C.	Formula	Name	B.P., °C.
16062	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.3
16063	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.4
16064	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.3
16065	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.7
16066	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.4
16067	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.4
16068	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.4
16069	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.45
		"			" "	
		"			" "	
	H_2O	Water	100		Isopropyl alcohol	
16070	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.45
16071	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.45
16072	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.45
16073	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.3
16074	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.45
16075	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.3
16076	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.45
16077	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.3
		"			" "	
		"			" "	
		"			" "	
16078	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.3
16079	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.3
		"			" "	
16080	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.3
16081	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.3
16082	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.2
16083	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.16
16084	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.2
16085	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.2
16086	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.2
		"			" "	
16087	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.3
		"			" "	
		"			" "	
		"			" "	
		"			" "	
		"			" "	
16088	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.2

C-Component				Azeotropic Data					
Formula	Name	B.P., °C.		B.P., °C.	Wt. % A	Wt. % B	Wt. % C		Ref.
$C_4H_{11}N$	Butylamine	77.8		83	12.5	40.5	47		982
$C_5H_{10}O$	Allyl ethyl ether	67.6			Azeotropic				18
$C_5H_{10}O_2$	Isopropyl acetate	88.7		75.5	11	13	76		982
$C_5H_{12}O$	Butyl methyl ether	70.3			Azeotropic				18
$C_5H_{12}O$	Ethyl isopropyl ether	54			Azeotropic				18
$C_5H_{12}O$	Ethly propyl ether	64			Azeotropic				18
$C_5H_{12}O$	Isobutyl methyl ether	59			Azeotropic				18
C_6H_6	Benzene	80.2		66.51	7.5	18.7	73.8		1044
	"			66.3	7.5	19.0	73.5		1042
	"	80.1		65.7	8.2	19.8	72.0		982
	Benzene 20 p.s.i.g.			90	10	18	72		982
C_6H_8	1,3-Cyclohexadiene	80.8		65.7					563
C_6H_{10}	Cyclohexene	82.75		66.1	7.5	21.5	71		563
C_6H_{12}	Cyclohexane	80.75		64.3	7.5	18.5	74	v-l	563,
$C_6H_{12}O$	4-Methyl-2-pentanone	116.2			Nonazeotrope				991a 981
C_6H_{14}	Hexane	68.95		58.2					563
$C_6H_{14}O$	Butyl ethyl ether	92.2		73.4	10.4	21.9	67.7		982
$C_6H_{14}O$	Ethyl *tert*-butyl ether	68-69			Azeotropic				18
$C_6H_{14}O$	Isopropyl ether	69		61.9	4.55	4.45	91.0	v-l	991c
	"			61.8	5	4	91		982
	" 30 p.s.i.g.			95	6	9	85		982
	" 15 p.s.i.g.			81	6	7	87		982
$C_6H_{15}N$	Diisopropylamine	84.1			Nonazeotrope				981
C_7H_8	Toluene	110.6		76.3	13.1	38.2	48.7	v-l	982,
	"								912c
				76.2					563
C_8H_{14}	Diisobutylene	102.3		72.3	9.3	31.6	59.1		982
C_3H_8S	1-Propanethiol	67.5	771 mm	60.8					487
C_4H_8O	2-Butanone	79.6			Nonazeotrope				29
$C_4H_8O_2$	Propyl formate	80.9		70.8	13	5	82		359,498c
C_4H_9Cl	1-Chloro-2-methylpropane	68.85		64.2					563
$C_5H_9ClO_2$	Propyl chloroacetate	162.3		88.6	25.25	58.27	16.48		121
$C_5H_{10}O$	3-Pentanone	102.2		~ 82.1	~ 20	~ 20	~ 60		563
	"			81.2	20	20	60		981
$C_5H_{10}O_2$	Propyl acetate	101.6			Nonazeotrope			v-l	752
	200 mm			50.23	13.3	4.7	82.0	v-l	892
	" 400 mm			66.07	15.0	6.5	78.5	v-l	892
	" 600 mm			76.26	16.0	8.5	75.5	v-l	892
	" 760 mm			82.45	17.0	10.0	73.0	v-l	892
	"			82.2	21	19.5	59.5		359
$C_5H_{12}O_2$	Diethoxymethane	88.0			Nonazeotrope				1035

A-Component				B-Component		
No.	Formula		B.P., °C.	Formula	Name	B.P., °C.
16089	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.2
		"			" "	
		"			" "	
		"			" "	
		"			" "	
16090	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.2
16091	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.2
16092	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.2
16093	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.3
16094	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.3
16094a	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.3
16095	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.2
16096	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.2
16097	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.2
16098	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.2
16099	H_2O	Water	100	C_3H_8O	Propyl alcohol	96.90
16100	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.2
16101	H_2O	Water	100	$C_3H_8O_2$	2-Methoxy-ethanol	124.6
16102	H_2O	Water	100	$C_3H_8O_2$	2-Methoxy-ethanol	124.6
16103	H_2O	Water	100	$C_3H_8O_2$	2-Methoxy-ethanol	124.6
16104	H_2O	Water	100	$C_3H_8O_2$	2-Methoxy-ethanol	124
16105	H_2O	Water	100	$C_3H_8O_2$	2-Methoxy-ethanol	124
16105a	H_2O	Water	100	$C_3H_8O_2$	Dimethoxymethane	42.3
16106	H_2O	Water	100	$C_3H_8O_2$	1,2-Propanediol	187.8
16107	H_2O	Water	100	C_4H_6O	Crotonaldehyde	102.4
16108	H_2O	Water	100	C_4H_6O	Crotonaldehyde	102
16109	H_2O	Water	100	C_4H_6O	Crotonaldehyde	102
16110	H_2O	Water	100	C_4H_8O	2-Butanone	79.6
16111	H_2O	Water	100	C_4H_8O	2-Butanone	79.6
16112	H_2O	Water	100	C_4H_8O	2-Butanone	79.6
		"			"	
16113	H_2O	Water	100	C_4H_8O	2-Butanone	79.6
16114	H_2O	Water	100	C_4H_8O	2-Butanone	79.6
16115	H_2O	Water	100	C_4H_8O	2-Butanone	79.6
16116	H_2O	Water	100	C_4H_8O	2-Butanone	79.6
16117	H_2O	Water	100	C_4H_8O	2-Butanone	79.6
16118	H_2O	Water	100	C_4H_8O	2-Butanone	79.6

C-Component			Azeotropic Data				
Formula	Name	B.P., °C.	B.P., °C.	Wt. % A	Wt. % B	Wt. % C	Ref.
C_6H_6	Benzene						
	740 mm		67	7.6	10.1	82.3	584
	" 2830 mm		107	9.5	13.1	77.4	584
	" 4900 mm		127	10.3	14.2	75.5	584
	" 5930 mm		135	12.3	15.0	72.7	584
	"		68.5	8.6	9.0	82.4	981
C_6H_8	1,3-Cyclohexadiene	80.8	67.75	9	12	79	563
C_6H_{10}	Cyclohexene	82.75	63.2	9	11.5	79.5	563
C_6H_{12}	Cyclohexane	80.75	66.55	8.5	10	81.5	563
$C_6H_{12}O$	2-Hexanone	127.2	87	27	63	10	343
$C_6H_{12}O$	2-Methyl-pentanal	118.3	86	28	58	14	981
$C_4H_{12}O_2$	Propyl propionate	122	86.2	20.7	46.2	33.1	668g
C_6H_{14}	Hexane	68.95	59.95				563
$C_6H_{14}O$	Propyl ether	113.7	74.8	11.7	20.2	68.1	760
$C_6H_{14}O_2$	Ethoxypropoxy-methane	113.7	83.8	17.6	22.9	59.5	1035
C_7H_8	Toluene	110.7	80.05				563
$C_7H_{16}O_2$	Dipropoxymethane	137.2	86.4	8	44.8	47.2	324
$C_8H_{18}O_2$	Acetaldehyde dipropylacetal	147.7	87.6	27.4	51.6	21.0	45
C_6H_6	Benzene	80.1		Nonazeotrope			981
C_6H_{12}	Cyclohexane	80.7		Nonazeotrope			981
C_7H_8	Toluene	110.6		Nonazeotrope			981
C_8H_{10}	Ethylbenzene	136	90	25.4	7.4	67.2	65
C_8H_{10}	Xylene	140		Min. b.p.			65
C_5H_8	Isoprene	34		Nonazeotrope			581c
C_7H_8	Toluene	110.6		Nonazeotrope			981
$C_6H_{10}O$	2-Ethylcroton-aldehyde	135.3		Nonazeotrope			981
C_7H_8	Toluene	110.7	85.3				932
C_nH_{2n+2}	Paraffins		80-85				932
$C_4H_{10}O$	*sec*-Butyl alcohol	99.5	200-760 mm	Nonazeotrope		v-l	15
$C_4H_{10}O$	*tert*-Butyl alcohol	82.4		Nonazeotrope			29
C_6H_6	Benzene	80.12	68.9	8.9	17.5	73.6	876
	"		68.2	8.8	26.1	65.1	981
C_6H_{12}	Cyclohexane	80.7	63.6	5	35	60	981
C_6H_{12}	1-Hexene	82		Min. b.p.			66
C_6H_{12}	2-Hexene			Min. b.p.			66
C_6H_{12}	3-Hexene			Min. b.p.			66
C_6H_{12}	2-Methyl-1-pentene			Min. b.p.			66
C_6H_{12}	2-Methyl-2-pentene			Min. b.p.			66

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A-Component				B-Component		
No.	Formula		B.P., °C.	Formula	Name	B.P., °C.
16119	H_2O	Water	100	C_4H_8O	2-Butanone	79.6
16120	H_2O	Water	100	C_4H_8O	2-Butanone	79.6
		"			"	
16121	H_2O	Water	100	C_4H_8O	2-Butanone	
16122	H_2O	Water	100	C_4H_8O	2-Butanone	79.6
16123	H_2O	Water	100	C_4H_8O	Butyraldehyde	74.8
16124	H_2O	Water	100	C_4H_8O	Butyraldehyde	74.8
16125	H_2O	Water	100	C_4H_8O	Butyraldehyde	74.8
16126	H_2O	Water	100	C_4H_8O	Butyraldehyde	74.8
16127	H_2O	Water	100	C_4H_8O	Butyraldehyde	75.7
16128	H_2O	Water	100	C_4H_8O	Isobutyraldehyde	
16129	H_2O	Water	100	C_4H_8O	Isobutyraldehyde	63
16130	H_2O	Water	100	$C_4H_8O_2$	Isobutyric acid	154.5
16131	H_2O	Water	100	C_4H_9Cl	Chlorobutane	78.44
16132	H_2O	Water	100	C_4H_9Cl	Chlorobutane	78.44
16133	H_2O	Water	100	C_4H_9Cl	1-Chloro-2-methylpropane	68.85
16134	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117.7
16135	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117.7
16136	H_2O	Water	100		Butyl alcohol	117.7
16137	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117.8
16138	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117
16139	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	116.9
16140	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117.4
16141	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117.7
		"			" "	
16142	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117.75
		"			" "	
16143	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117.75
16144	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117.75
		"				
16145	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117.75
16145a	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117.7
16146	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117.75
16147	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117.75
		"			" "	
		"			" "	
16148	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117.75
16149	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117.75
16150	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117
16151	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117

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C-Component			Azeotropic Data					
Formula	Name	B.P., °C.	B.P., °C.	Wt. % A	Wt. % B	Wt. % C		Ref.
C_6H_{12}	3-Methyl-2-pentene			Min. b.p.				66
C_6H_{14}	Hexane	68.9	56	4.8	27.1	68.1		623c
	"		55	1	22	77		981
C_6H_{14}	2-Methylpentane			Min. b.p.				66
C_6H_{14}	3-Methylpentane			Min. b.p.				66
$C_4H_{10}O$	Isobutyl alcohol			Nonazeotrope				981
$C_4H_{10}O_2$	1,1-Dimethoxyethane	64.5		Nonazeotrope				981
$C_6H_{12}O_2$	Butyl acetate	126.1		Nonazeotrope				981
C_6H_{14}	Hexane	68.7	55	4	21	75		981
C_7H_{16}	Heptanes		~ 57					340
$C_4H_{10}O$	Isobutyl alcohol	108		Nonazeotrope			v-l	665
C_7H_{16}	Heptanes		48					340
$C_4H_{10}O$	*sec*-Butyl alcohol	99.5		Nonazeotrope			v-l	626
$C_4H_{10}O$	Butyl alcohol	117.73		Nonazeotrope				806
$C_8H_{18}O$	Butyl ether	141.97		Nonazeotrope				806
$C_4H_{10}O$	*tert*-Butyl alcohol	82.55	62					563
$C_4H_{10}O$	*sec*-Butyl alcohol	99.5		Nonazeotrope				981
$C_4H_{10}S$	1-Butanethiol	97.5	78.6					487
$C_4H_{11}N$	Butylamine	77.8		Nonazeotrope				981
$C_5H_{10}O_2$	Butyl formate	106.6	83.6	21.3	10	68.7		359,498c
C_6H_6	Benzene	80.1	69	10.1	1.5	88.4	v-l	880
C_6H_{10}	Cyclohexene	82.75	70.22					563
$C_6H_{11}ClO_2$	Butyl chloro-acetate	181.9	93.1	41.8	50.3	7.9		121
$C_6H_{12}O$	Butyl vinyl ether	94.2	77.3	11.2	1.9	85.9		497
	"		77.4	10	2	88		982
$C_6H_{12}O_2$	Butyl acetate	126.1	90.7	29	8	63		982
	"		89.4	37.3	27.4	35.3		77,333,359
C_6H_{14}	Hexane	68.95	61.5	19.2	2.9	77.9		477
$C_7H_{12}O_2$	Butyl acrylate	147	92	50	37.6	12.4		215
	" 100 mm.		46	41	26	33		982
C_7H_{16}	Heptane	98.4	78.1	41.4	7.6	51		477
C_8H_{14}	Diisobutylene	101		12.6	9.5	77.9		1007a
C_8H_{18}	Octane	125.75	86.1	60	14.6	25.4		477
$C_8H_{18}O$	Butyl ether	142.1	90.6	29.9	34.6	35.5		982
	" 100 mm.		45	31.2	24.6	44.2		982
	"		91	29.3	42.9	27.7		760
$C_8H_{19}N$	Dibutylamine	159.6		Nonazeotrope				981
C_9H_{20}	Nonane	150.7	90	69.9	18.3	11.8		477
$C_9H_{20}O_2$	Dibutoxy-methane	181.8		Nonazeotrope				324
$C_{10}H_{22}O_2$	Acetaldehyde dibutyl acetal	188.8		Nonazeotrope				45

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A-Component				B-Component		
No.	Formula		B.P., °C.	Formula	Name	B.P., °C.
16152	H_2O	Water	100	$C_4H_{10}O$	*sec*-Butyl alcohol	99.4
16153	H_2O	Water	100	$C_4H_{10}O$	*sec*-Butyl alcohol	99.6
16154	H_2O	Water	100	$C_4H_{10}O$	*sec*-Butyl alcohol	99.6
16155	H_2O	Water	100	$C_4H_{10}O$	*sec*-Butyl alcohol	99.6
16156	H_2O	Water	100	$C_4H_{10}O$	*sec*-Butyl alcohol	99.6
16157	H_2O	Water	100	$C_4H_{10}O$	*sec*-Butyl alcohol	99.6
16158	H_2O	Water	100	$C_4H_{10}O$	*sec*-Butyl alcohol	99.6
		"			" "	
		"			" "	
		"			" "	
		"			" "	
		"			" "	
16159	H_2O	Water	100	$C_4H_{10}O$	*sec*-Butyl alcohol	99.6
		"			" "	
16160	H_2O	Water	100	$C_4H_{10}O$	*sec*-Butyl alcohol	99.4
16161	H_2O	Water	100	$C_4H_{10}O$	*sec*-Butyl alcohol	99.6
16162	H_2O	Water	100	$C_4H_{10}O$	*sec*-Butyl alcohol	99.6
16163	H_2O	Water	100	$C_4H_{10}O$	*sec*-Butyl alcohol	99.6
16163a	H_2O	Water	100	$C_4H_{10}O$	*sec*-Butyl alcohol	99.4
16164	H_2O	Water	100	$C_4H_{10}O$	*sec*-Butyl alcohol	99.4
16165	H_2O	Water	100	$C_4H_{10}O$	*sec*-Butyl alcohol	99.4
16166	H_2O	Water	100	$C_4H_{10}O$	*sec*-Butyl alcohol	99.4
		"			" "	
16167	H_2O	Water	100	$C_4H_{10}O$	*sec*-Butyl alcohol	99.4
16168	H_2O	Water	100	$C_4H_{10}O$	*sec*-Butyl alcohol	99.4
		"			" "	
16169	H_2O	Water	100	$C_4H_{10}O$	*sec*-Butyl alcohol	99.53
16169a	H_2O	Water	100	$C_4H_{10}O$	*tert*-Butyl alcohol	82.5
16169b	H_2O	Water	100	$C_4H_{10}O$	*tert*-Butyl alcohol	82.5
16169c	H_2O	Water	100	$C_4H_{10}O$	*tert*-Butyl alcohol	82.5
16169d	H_2O	Water	100	$C_4H_{10}O$	*tert*-Butyl alcohol	82.5
16170	H_2O	Water	100	$C_4H_{10}O$	*tert*-Butyl alcohol	82.55
16171	H_2O	Water	100	$C_4H_{10}O$	*tert*-Butyl alcohol	82.55
16172	H_2O	Water	100	$C_4H_{10}O$	*tert*-Butyl alcohol	82.55
16172a	H_2O	Water	100	$C_4H_{10}O$	*tert*-Butyl alcohol	82.5
16173	H_2O	Water	100	$C_4H_{10}O$	*tert*-Butyl alcohol	82.55
16174	H_2O	Water	100	$C_4H_{10}O$	*tert*-Butyl alcohol	82.55
16175	H_2O	Water	100	$C_4H_{10}O$	Isobutyl alcohol	108
16176	H_2O	Water	100	$C_4H_{10}O$	Isobutyl alcohol	108.0
16177	H_2O	Water	100	$C_4H_{10}O$	Isobutyl alcohol	108
16178	H_2O	Water	100	$C_4H_{10}O$	Isobutyl alcohol	108
16179	H_2O	Water	100	$C_4H_{10}O$	Isobutyl alcohol	108

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C-Component			Azeotropic Data				
Formula	Name	B.P., °C.	B.P., °C.	Wt. % A	Wt. % B	Wt. % C	Ref.
$C_4H_{10}O$	*tert*-Butyl alcohol	82.6		Nonazeotrope			981
$C_5H_{10}O$	Allyl ethyl ether	67.6		Nonazeotrope			18
$C_5H_{12}O$	Butyl methyl ether	70.3		Nonazeotrope			18
$C_5H_{12}O$	Ethyl isopropyl ether	54		Nonazeotrope			18
$C_5H_{12}O$	Ethyl propyl ether	64		Nonazeotrope			18
$C_5H_{12}O$	Isobutyl methyl ether	59		Nonazeotrope			18
C_6H_6	Benzene	80.2		Azeotrope doubtful			563
	" 200 mm.		38.2	7	5	88	194
	" 300 mm.		47.0	7	6	87	194
	" 400 mm.		53.8	7	6	87	194
	" 500 mm.		59.0	7	6	87	194
	" 665 mm.		65.5	8	6	86	194
C_6H_{12}	Cyclohexane	80.75	~ 67				563
	"		69.7	8.9	10.8	80.3	497
$C_6H_{12}O_2$	*sec*-Butyl acetate	112.2	85.5	20.2	27.4	52.4	981
C_6H_{14}	Hexane	68.95	61.1				• 563
$C_6H_{14}O$	Ethyl *tert*-butyl ether	68-69		Nonazeotrope			18
$C_6H_{11}O$	Isopropyl ether	69		Nonazeotrope			18
C_7H_8	Toluene	110.7	200-662 mm			v-l	257c
C_7H_{14}	Methylcyclohexane	101.1	77.1	11.9	21.9	66.4	1039
C_7H_{16}	Heptane	98.4	75.8	10.9	22.2	66.9	1039
C_8H_{14}	Diisobutylene	102.3	77.5	11	19	70	1039
	"		80.2				740
C_8H_{18}	Isoctane	99	76.3	9	19	72	498i
$C_8H_{18}O$	Butyl ether	142.1	86.6	24.7	56.1	19.2	981
	" "		86.5				255
$C_8H_{18}O$	*sec*-Butyl ether	121	83				255
C_5H_8	Isoprene	34		Nonazeotrope			581c
$C_5H_{10}O$	2-Methyl-3-buten-2-ol	97		Nonazeotrope			581c
C_5H_{12}	Pentane	36.15		Nonazeotrope			581c
$C_5H_{12}O$	*tert*-Butyl methyl ether	55		Nonazeotrope			581c
C_6H_6	Benzene	80.2	67.30	8.1	21.4	70.5	1044
C_6H_8	1,3-Cyclohexadiene	80.8	66.7				563
C_6H_{10}	Cyclohexene	82.75	67				563
$C_6H_{10}O$	Methyl dihydropyran	118.5		Nonazeotrope			581c
C_6H_{12}	Cyclohexane	80.75	65	8	21	71	563
C_6H_{14}	Hexane	68.95	58.9				563
$C_5H_{10}O$	Isovaleraldehyde			Nonazeotrope		v-l	665
$C_5H_{10}O$	3-Pentanone	102.2		Nonazeotrope			563
$C_6H_{10}O_2$	Isobutyl formate	98.3	79.3	12.3	1.15	86.55	498i
C_6H_6	Benzene	80.2		Nonazeotrope			1044
C_6H_8	1,3-Cyclohexadiene	80.8		Nonazeotrope			563

A-Component				B-Component		
No.	Formula		B.P., °C.	Formula	Name	B.P., °C.
16180	H_2O	Water	100	$C_4H_{10}O$	Isobutyl alcohol	108
16181	H_2O	Water	100	$C_4H_{10}O$	Isobutyl alcohol	107.4
16182	H_2O	Water	100	$C_4H_{10}O$	Isobutyl alcohol	108
16183	H_2O	Water	100	$C_4H_{10}O$	Isobutyl alcohol	108
16184	H_2O	Water	100	$C_4H_{10}O$	Isobutyl alcohol	108
16185	H_2O	Water	100	$C_4H_{10}O$	Isobutyl alcohol	108
16186	H_2O	Water	100	$C_4H_{10}O$	Isobutyl alcohol	108
16187	H_2O	Water	100	$C_4H_{10}O$	Isobutyl alcohol	108
16188	H_2O	Water	100	$C_4H_{10}O$	Isobutyl alcohol	108
16189	H_2O	Water	100	$C_4H_{10}O$	Isobutyl alcohol	107.5
16190	H_2O	Water	100	$C_4H_{10}O$	Isobutyl alcohol	107.8
16191	H_2O	Water	100	$C_4H_{10}O_2$	2-Ethoxyethanol	135.6
16192	H_2O	Water	100	$C_4H_{10}O_2$	2-Ethoxyethanol	135.6
16193	H_2O	Water	100	$C_4H_{11}N$	Butylamine	77.8
16194	H_2O	Water	100	$C_4H_{11}N$	Diethylamine	55.5
16195	H_2O	Water	100	C_5H_5N	Pyridine	115.5
16196	H_2O	Water	100	C_5H_5N	Pyridine	115.5
16197	H_2O	Water	100	C_5H_5N	Pyridine	115.5
16198	H_2O	Water	100	C_5H_5N	Pyridine	115.5
16199	H_2O	Water	100	C_5H_5N	Pyridine	115.5
16200	H_2O	Water	100	C_5H_5N	Pyridine	115.5
16201	H_2O	Water	100	C_5H_5N	Pyridine	115.5
16202	H_2O	Water	100	C_5H_5N	Pyridine	115.5
16203	H_2O	Water	100	C_5H_5N	Pyridine	115.5
16204	H_2O	Water	100	C_5H_5N	Pyridine	115.5
16205	H_2O	Water "	100	C_5H_5N	Pyridine "	115.5
16206	H_2O	Water	100	C_5H_5N	Pyridine	115.5
16207	H_2O	Water	100	C_5H_5N	Pyridine	115.5
16208	H_2O	Water	100	C_5H_5N	Pyridine	115.5
16209	H_2O	Water	100	C_5H_5N	Pyridine	115.5
16210	H_2O	Water	100	C_5H_5N	Pyridine	115.5
16211	H_2O	Water	100	C_5H_5N	Pyridine	115.5
16212	H_2O	Water	100	C_5H_5N	Pyridine	115.5
16212a	H_2O	Water	100	C_5H_8	Isoprene	34
16213	H_2O	Water	100	$C_5H_8O_2$	Ethyl acrylate	99.3
16213a	H_2O	Water	100	$C_5H_{10}O$	2-Methyl-3-buten-2-ol	97

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C-Component			Azeotropic Data				
Formula	Name	B.P., °C.	B.P., °C.	Wt. % A	Wt. % B	Wt. % C	Ref.
C_6H_{10}	Cyclohexene	82.75	~ 69.5				563
$C_6H_{11}ClO_2$	Isobutyl chloroacetate	174.4	90.2	33.64	53.1	13.26	121
C_6H_{12}	Cyclohexane	80.75		Nonazeotrope			563
$C_6H_{12}O_2$	Isobutyl acetate	117.2	86.8	30.4	23.1	46.5	333,359, 498c
C_6H_{14}	Hexane	68.95		Nonazeotrope			563
C_7H_8	Toluene	110.7	81.3	17.9	16.4	65.7 v-l	298c
C_8H_{10}	Ethylbenzene	136.15	~ 89.5				563
$C_8H_{18}O$	Butyl ether	141.9	89				760
$C_8H_{18}O$	Isobutyl ether	122	85.4				760
$C_9H_{20}O_2$	Diisobutoxymethane	163.8		Nonazeotrope			324
$C_{10}H_{22}O_2$	Acetaldehyde diisobutyl acetal	171.3		Nonazeotrope			45
C_7H_8	Toluene	110.7		Nonazeotrope			981
$C_{10}H_{20}O$	2-Ethylhexyl vinyl ether	177.7	97.7	51	11	38	981
$C_6H_{15}N$	Dibutylamine	159.6		Nonazeotrope			981
$C_6H_{14}O$	Isopropyl ether	68.3		Nonazeotrope			981
C_6H_6	Benzene	80.1		Nonazeotrope			215
C_6H_7N	2-Picoline			Nonazeotrope			215
C_6H_8	1,3-Cyclohexadiene	80.8		Min. b.p.			913
C_6H_{10}	Cyclohexene	82.75		Min. b.p.			913
C_6H_{12}	Cyclohexane	80.75		Min. b.p.			913
C_7H_{10}	Methylcyclohexadiene			Min. b.p.			913
C_7H_{14}	1,1-Dimethylcyclopentane	87.8		Min. b.p.			913
C_7H_{14}	1,2-Dimethylcyclopentane			Min. b.p.			913
C_7H_{14}	1,3-Dimethylcyclopentane	90.8		Min. b.p.			913
C_7H_{14}	Methylcyclohexane	101.2	80.0		5		913
C_7H_{16}	*n*-Heptane	98.45		Min. b.p.			913
	"		78.6	14	13.5	70.5	968
C_7H_{16}	3-Methylhexane	91.8		Min. b.p.			913
C_8H_{14}	Diisobutylene	101		Min. b.p.			913
C_8H_{18}	Octane	125.75	86.7	22.5	25.5	52	968
C_9H_{20}	Nonane	150.7	90.5	40.5	37	32.5	968
$C_{10}H_{22}$	Decane	173.3	92.3	35.5	45.5	19	968
$C_{11}H_{24}$	Undecane	194.5	93.1	38.5	51	10.5	968
$C_{12}H_{26}$	Dodecane	216	93.5	40.5	54.5	5	968
$C_5H_{12}O$	*tert*-Butyl methyl ether	55		Nonazeotrope			581c
$C_6H_{14}O$	Isopropyl ether	68.3		Nonazeotrope			981
$C_5H_{12}O$	*tert*-Butyl methyl ether	55		Nonazeotrope			581c

A-Component				B-Component		
No.	Formula		B.P., °C.	Formula	Name	B.P., °C.
16213b	H_2O	Water	100	$C_5H_{10}O$	2-Methyl-3-buten-2-ol	97
16213c	H_2O	Water	100	$C_5H_{10}O$	3-Methyl-3-buten-1-ol	130
16214	H_2O	Water	100	$C_5H_{10}O$	2-Pentanone	102.3
16215	H_2O	Water	100	$C_5H_{12}O$	Amyl alcohol	137.8
16216	H_2O	Water	100	$C_5H_{12}O$	Amyl alcohol	137.8
16217	H_2O	Water	100	$C_5H_{12}O$	Amyl alcohol	138
16218	H_2O	Water	100	$C_5H_{12}O$	Amyl alcohol	137.2
16219	H_2O	Water	100	$C_5H_{12}O$	Amyl alcohol	137.5
16220	H_2O	Water	100	$C_5H_{12}O$	*tert*-Amyl alcohol	102
16221	H_2O	Water	100	$C_5H_{12}O$	*tert*-Amyl alcohol	102
16222	H_2O	Water	100	$C_5H_{12}O$	*tert*-Amyl alcohol	102
16223	H_2O	Water	100	$C_5H_{12}O$	Isoamyl alcohol	132
16224	H_2O	Water	100	$C_5H_{12}O$	Isoamyl alcohol	131.3
16225	H_2O	Water	100	$C_5H_{12}O$	Isoamyl alcohol	131.5
16226	H_2O	Water	100	$C_5H_{12}O$	Isoamyl alcohol	131.3
16227	H_2O	Water	100	$C_5H_{12}O$	Isoamyl alcohol	131.5
16228	H_2O	Water	100	$C_5H_{12}O$	Isoamyl alcohol	132
16229	H_2O	Water	100	$C_5H_{12}O$	Isoamyl alcohol	131.6
16229a	H_2O	Water	100	C_6H_6	Benzene	80.1
16230	H_2O	Water	100	C_6H_6	Benzene	80.1
16231	H_2O	Water	100	C_6H_6O	Phenol	182
16232	H_2O	Water	100	C_6H_7N	2-Picoline	128.8
16233	H_2O	Water	100	$C_6H_{10}O$	Cyclohexanone	155.6
16233a	H_2O	Water	100	$C_6H_{10}O$	Cyclohexanone	155.6
16233b	H_2O	Water	100	C_6H_{12}	Cyclohexane	80.75
16233c	H_2O	Water	100	$C_6H_{12}O$	Cyclohexanol	160.65
16234	H_2O	Water	100	$C_6H_{12}O$	2-Methyl-2-penten-4-ol	
16235	H_2O	Water	100	$C_6H_{12}O_2$	Butyl acetate	126.1
16236	H_2O	Water	100	$C_6H_{12}O_2$	Butyl acetate	126.1
16237	H_2O	Water	100	$C_6H_{12}O_2$	*sec*-Butyl acetate	112.2
16238	H_2O	Water	100	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.2
16239	H_2O	Water	100	$C_6H_{14}O$	Isopropyl ether	68.3
16240	H_2O	Water	100	C_7H_8	Toluene	110.6
16241	H_2O	Water	100	C_7H_8	Toluene	110.6
16242	H_2O	Water	100	C_7H_8	Toluene	110.6

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C-Component			Azeotropic Data					
Formula	Name	B.P., °C.	B.P., °C.	Wt. % A	Wt. % B	Wt. % C		Ref.
$C_6H_{14}O$	Isopropyl ether	68		Nonazeotrope				581c
$C_6H_{12}O_2$	4,4-Dimethyl-1,3-dioxane	133.4		Nonazeotrope				581c
C_6H_6	Benzene	80.1		Nonazeotrope				981
$C_6H_{12}O_2$	Amyl formate	132	91.4	37.5	21.5	41		359,498c
$C_7H_{14}O_2$	Amyl acetate	148.8	94.9	45.9	12.2	41.9		498i
$C_{10}H_{22}O$	Amyl ether	188	95.94					1033
$C_{11}H_{24}O_2$	Diamyloxymethane	221.6		Nonazeotrope				324
$C_{12}H_{26}O_2$	Acetaldehyde diamyl acetal	225.3		Nonazeotrope				45
C_6H_6	Benzene	80.2		Nonazeotrope				563
C_6H_{12}	Cyclohexane	80.75		Nonazeotrope				563
C_7H_8	Toluene	110.7	~82					563
$C_5H_{12}S$	3-Methyl-1-butane-thiol 765.4 mm	120	86.6					487
C_6H_6	Benzene	80.2		Nonazeotrope				1044
$C_6H_{12}O_2$	Isoamyl formate	124.2	89.8	32.4	19.6	48		359
$C_7H_{13}ClO_2$	Isoamyl chloro-acetate	195.2	95.4	46.2	47.3	6.5		121
$C_7H_{14}O_2$	Isoamyl acetate	142	93.6	44.8	31.2	24		359,411
$C_{10}H_{22}O$	Isoamyl ether	171	94.4					760
$C_{12}H_{26}O_2$	Acetaldehyde di-isoamyl acetal	213.6		Nonazeotrope				45
$C_6H_{13}N$	Cyclohexylamine	134		Nonazeotrope			v-l	718c
$C_6H_{11}O$	Hexyl alcohol	157.85		Nonazeotrope				480
C_8H_{10}	Xylene	137		Min. b.p.				90
$C_6H_{12}O_3$	Paraldehyde	124.5		Nonazeotrope				981
$C_6H_{12}O$	Cyclohexanol	160.65		Nonazeotrope			v-l	335
$C_6H_{13}N$	Cyclohexylamine						v-l	718c
$C_6H_{13}N$	Cyclohexylamine						v-l	718c
$C_6H_{13}N$	Cyclohexylamine						v-l	718c
$C_8H_{14}O$	2,4,6-Trimethyl-5,6-dihydro-1,2-pyran		90.7	27.0	9.7	63.3		849
$C_6H_{12}O_2$	*sec*-Butyl acetate	112.2		Nonazeotrope				981
$C_8H_{18}O$	Butyl ether	142.1		Nonazeotrope				981
$C_8H_{18}O$	Butyl ether	142.1		Nonazeotrope				981
C_7H_8	Toluene	110.6		Nonazeotrope				981
$C_6H_{15}N$	Triethylamine	89.7		Nonazeotrope				981
C_7H_8O	Benzyl alcohol	204.7		Nonazeotrope			v-l	935
$C_{10}H_{22}O$	Decyl alcohol (isomers)	217.3		Nonazeotrope				981
$C_{12}H_{26}O$	2,6,8-Trimethyl-4-nonanol	225.5		Nonazeotrope				981

A-Component				B-Component		
No.	Formula		B.P., °C.	Formula	Name	B.P., °C.
16243	H_3N	Ammonia	— 33	C_2H_6O	Methyl ether	— 24
16244	H_3N	Ammonia	— 33	C_3H_9N	Trimethylamine	3.5
16245	H_3N	Ammonia	— 33	C_3H_9N	Trimethylamine	3.5
16246	H_3N	Ammonia	— 33	C_3H_9N	Trimethylamine	3.5
16247	H_3N	Ammonia	— 33	C_3H_9N	Trimethylamine	3.5
16247a	O_2S	Sulfur dioxide	—10	CH_4O	Methanol	64.7
16247b	O_2S	Sulfur dioxide	—10	CH_4O	Methanol	64.7
16248	CCl_4	Carbon tetrachloride	76.8	CH_4O	Methanol	64.7
16249	CCl_4	Carbon tetrachloride	76.75	CH_4O	Methanol	64.7
16250	CCl_4	Carbon tetrachloride	76.75	C_2HCl_3	Trichloroethylene	86.2
16251	CCl_4	Carbon tetrachloride	76.75	$C_2H_4Br_2$	1,2-Dibromoethane	131.5
16252	CCl_4	Carbon tetrachloride	76.75	C_2H_6O	Ethyl alcohol	78.3
16253	CCl_4	Carbon tetrachloride	76.75	C_2H_6O	Ethyl alcohol	78.3
16254	CCl_4	Carbon tetrachloride	76.75	C_2H_6O	Ethyl alcohol	78.3
		"			"	
16254a	CCl_4	Carbon tetrachloride	76.8	$C_3H_6O_2$	Methyl acetate	57.1
16255	CCl_4	Carbon tetrachloride	76.8	C_3H_8O	Propyl alcohol	97.8
16255a	CCl_4	Carbon tetrachloride	76.8	C_3H_8O	Isopropyl alcohol	82.5
16256	CCl_4	Carbon tetrachloride	76.8	C_3H_8O	Isopropyl alcohol	82.5
16257	CCl_4	Carbon tetrachloride	76.75	C_4H_8O	2-Butanone	79.6
16257a	CCl_4	Carbon tetrachloride	76.8	C_4H_8O	2-Butanone	79.6
16258	CCl_4	Carbon tetrachloride	76.75	C_4H_8O	2-Butanone	79.6
16259	CCl_4	Carbon tetrachloride	76.75	$C_4H_8O_2$	Ethyl acetate	77.05
16260	CCl_4	Carbon tetrachloride	76.8	$C_4H_{10}O$	Butyl alcohol	117
16261	CCl_4	Carbon tetrachloride	76.8	C_6H_6	Benzene	80.1
16262	CCl_4	Carbon tetrachloride	76.8	C_6H_6	Benzene	80.1
16263	CS_2	Carbon disulfide	46.25	CH_3I	Iodomethane	42.6
16264	CS_2	Carbon disulfide	46.25	CH_3I	Iodomethane	42.6

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C-Component			Azeotropic Data					
Formula	Name	B.P., °C.	B.P., °C.	Wt. % A	Wt. % B	Wt. % C		Ref.
C_3H_9N	Trimethylamine	3.5		Nonazeotrope				378
C_4H_8	1-Butene	—6		Nonazeotrope				378
C_4H_8	2-Methylpropene	—6		Nonazeotrope				378
C_4H_{10}	Butane	0		Nonazeotrope				378
C_4H_{10}	2-Methylpropane	—10		Nonazeotrope				378
C_3H_6O	Acetone	56.1	20°–40°				v-l	44c
$C_3H_6O_2$	Methyl acetate	57.1	20°–40°				v-l	44c
C_6H_6	Benzene	80.1		Nonazeotrope			v-l	385
C_6H_{12}	Cyclohexane	80.75		Nonazeotrope				563
C_4H_8O	2-Butanone	79.6		Nonazeotrope			v-l	501
C_7H_8	Toluene	110.7		Nonazeotrope				563
C_4H_8O	2-Butanone	79.6		Nonazeotrope				563
$C_4H_8O_2$	Ethyl acetate	77.05		Nonazeotrope				563
C_6H_6	Benzene	80.2		Nonazeotrope				563
	"			Nonazeotrope			v-l	123,385
C_6H_6	Benzene	80.1					v-l	684a
C_6H_6	Benzene	80.1		Nonazeotrope			v-l	385
C_6H_{12}	Cyclohexane	80.75	68.55				v-l	1032c
C_6H_6	Benzene	80.1		Nonazeotrope			v-l	684
$C_4H_8O_2$	Methyl propionate	79.7		Nonazeotrope				563
C_6H_6	Benzene	80.1					v-l	598c
C_6H_{12}	Cyclohexane	80.75		Nonazeotrope				563
C_6H_{12}	Cyclohexane	80.75		Nonazeotrope				563
C_6H_6	Benzene	80.1		Nonazeotrope			v-l	385
C_6H_{12}	Cyclohexane			Nonazeotrope			v-l	598
$C_6H_{12}O_2$	Butyl acetate			Nonazeotrope			v-l	599
CH_4O	Methanol	64.7	35.95			<12		563
$C_2H_4O_2$	Methyl formate	31.9		Nonazeotrope				563

A-Component				B-Component		
No.	Formula		B.P., °C.	Formula	Name	B.P., °C.
16265	CS_2	Carbon disulfide	46.25	CH_3I	Iodomethane	42.5
16266	CS_2	Carbon disulfide	46.25	CH_4O	Methanol	64.7
16267	CS_2	Carbon disulfide	46.25	CH_4O	Methanol	64.7
16268	CS_2	Carbon disulfide	46.25	CH_4O	Methanol	64.7
16269	CS_2	Carbon disulfide	46.25	CH_4O	Methanol	64.7
16270	CS_2	Carbon disulfide	46.25	CH_4O	Methanol	64.7
16271	CS_2	Carbon disulfide	46.25	CH_4O	Methanol	64.7
16272	CS_2	Carbon disulfide	46.25	$C_2H_4O_2$	Methyl formate	31.9
16273	CS_2	Carbon disulfide	46.25	$C_2H_4O_2$	Methyl formate	31.9
16274	CS_2	Carbon disulfide	46.25	$C_2H_4O_2$	Methyl formate	31.9
16275	CS_2	Carbon disulfide	46.25	C_2H_6O	Ethyl alcohol	78.3
16276	CS_2	Carbon disulfide	46.25	C_2H_6O	Ethyl alcohol	78.3
16277	CS_2	Carbon disulfide	46.25	C_3H_6O	Acetone	56.25
16278	CS_2	Carbon disulfide	46.25	$C_3H_6O_2$	Ethyl formate	54.1
16279	CS_2	Carbon disulfide	46.25	C_3H_8O	Isopropyl alcohol	82.45
16280	CS_2	Carbon disulfide	46.25	$C_3H_8O_2$	Methylal	42.25
16281	$CHCl_3$	Chloroform	61	CH_2Cl_2	Dichloromethane	40
16282	$CHCl_3$	Chloroform	61	CH_2O_2	Formic acid	100.75
16283	$CHCl_3$	Chloroform	61	CH_4O	Methanol	64.7
		"			"	
16284	$CHCl_3$	Chloroform	61	CH_4O	Methanol	64.7
16285	$CHCl_3$	Chloroform	61	CH_4O	Methanol	64.7
16286	$CHCl_3$	Chloroform	61.2	CH_4O	Methanol	64.7
16286a	$CHCl_3$	Chloroform	61	CH_4O	Methanol	64.7
16287	$CHCl_3$	Chloroform	61	CH_4O	Methanol	64.7
16288	$CHCl_3$	Chloroform	61	C_2H_6O	Ethyl alcohol	78.3
16289	$CHCl_3$	Chloroform	61	C_2H_6O	Ethyl alcohol	78.3
16290	$CHCl_3$	Chloroform	61	C_2H_6O	Ethanol	78.3
16291	$CHCl_3$	Chloroform	61.2	C_2H_6O	Ethyl alcohol	78.3
16292	$CHCl_3$	Chloroform	61.2	C_2H_6O	Ethyl alcohol	78.3
16293	$CHCl_3$	Chloroform	61.2	C_2H_6O	Ethyl alcohol	78.3
16294	$CHCl_3$	Chloroform	61.2	C_2H_6O	Ethyl alcohol	78.3
		"			" "	
16295	$CHCl_3$	Chloroform	61	C_3H_6O	Acetone	56.4
16296	$CHCl_3$	Chloroform	61	C_3H_6O	Acetone	56.4
16297	$CHCl_3$	Chloroform	61.2	C_3H_6O	Acetone	56.5
		"			"	
		"			"	
		"			"	
16297a	$CHCl_3$	Chloroform	61	C_3H_6O	Acetone	56.1
16298	$CHCl_3$	Chloroform	61	C_3H_6O	Acetone	56.4
16299	$CHCl_3$	Chloroform	61	C_3H_6O	Acetone	56.4

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C-Component			Azeotropic Data					
Formula	Name	B.P., °C.	B.P., °C.	Wt. % A	Wt. % B	Wt. % C		Ref.
$C_3H_8O_2$	Methylal	42.25	37.2?					563
C_2H_5Br	Bromoethane	38.4	33.92	~40	~10	50		563
C_3H_6O	Acetone	56.25		Nonazeotrope				563
$C_3H_6O_2$	Methyl acetate	57.0	37					563
C_3H_7Cl	1-Chloropropane	46.6	37?					563
$C_3H_8O_2$	Methylal	42.25	35.55	55	7	38		563
C_5H_{10}	2-Methyl-2-butene	37.15		Nonazeotrope				563
C_2H_5Br	Bromoethane	38.4	24.7?	18?	60?	22?		563
C_5H_{10}	2-Methyl-2-butene	37.15	~24					563
C_5H_{12}	Pentane	36.15	21.5?					563
C_4H_8O	2-Butanone	79.6		Nonazeotrope				563
$C_4H_8O_2$	Ethyl acetate	77.05		Nonazeotrope				563
$C_3H_6O_2$	Methyl acetate	57.0		Nonazeotrope				563
C_3H_7Cl	1-Chloropropane	46.6	38.2?					563
$C_4H_8O_2$	Ethyl acetate	77.05		Nonazeotrope				563
C_5H_{10}	2-Methyl-2-butene	37.15	35.2?					563
C_3H_6O	Acetone	56.4		Nonazeotrope				261
$C_2H_4O_2$	Acetic acid	118.1		Nonazeotrope			v-l	171
C_3H_6O	Acetone	56.1	57.5	46.7	23.4	29.9	v-l	982
	"		57.5	47	23	30		261
$C_3H_6O_2$	Methyl acetate	57.1	56.4	52.5	21.6	25.9	v-l	406a
C_4H_8O	2-Butanone	79.6		Nonazeotrope				981
$C_4H_8O_2$	Ethyl acetate	77.1		Nonazeotrope			v-l	679
C_6H_{14}	2,3-Dimethylbutane	58		Nonazeotrope			v-l	461c
C_6H_{14}	Hexane	69.85		Nonazeotrope				563
C_3H_6O	Acetone	56.1	55.0	70.2	6.8	23	v-l	937
C_3H_6O	Acetone	56.1	63.2	65.3	10.4	24.3	v-l	664
C_6H_{14}	Hexane	68.95	~58.3					563
C_6H_{14}	Hexane	68.7	57.3	56.1	9.5	34.4	v-l	498
C_6H_{14}	Hexane	68.7	55				v-l	498
C_6H_{14}	Hexane		45				v-l	498
C_6H_{14}	Hexane		35				v-l	498
	"		60.6	69.2	4.5	26.3		497
C_4H_8O	2-Butanone	79.6		Nonazeotrope			v-l	185
C_6H_6	Benzene	80.2		Nonazeotrope			v-l	802
C_6H_{14}	Hexane	68.7	60.79	68.8	3.6	27.6	v-l	498
	"	631 mm	55	68.7	3.6	27.7	v-l	498
	"	444 mm	45	68.7	3.6	27.7	v-l	498
	"	300 mm	35	68.7	3.3	28.0	v-l	498
C_6H_{14}	2,3-Dimethylbutane	58		Nonazeotrope			v-l	317c
$C_6H_{12}O$	4-Methyl-2-pentanone	115.9		Nonazeotrope			v-l	438
$C_6H_{14}O$	Isopropyl ether	68.3		Nonazeotrope				981

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A-Component				B-Component		
No.	Formula		B.P., °C.	Formula	Name	B.P., °C.
16300	$CHCl_3$	Chloroform	61	C_3H_6O	Acetone	56.4
16301	$CHCl_3$	Chloroform	61	$C_3H_6O_2$	Ethyl formate	54.1
16302	$CHCl_3$	Chloroform	61	$C_3H_6O_2$	Methyl acetate	57.1
16303	$CHCl_3$	Chloroform	61	C_3H_7Br	2-Bromopropane	59.4
16304	$CHCl_3$	Chloroform	61	C_3H_8O	Isopropyl alcohol	82.3
16305	$CHCl_3$	Chloroform	61.2	C_4H_8O	2-Butanone	79.6
16306	CH_2Cl_2	Dichloromethane	40.0	CH_4O	Methanol	64.7
16307	CH_2Cl_2	Dichloromethane	40.0	CH_4O	Methanol	64.7
16307a	CH_3Cl_3Si	Trichloromethylsilane	66.4	$C_2H_6Cl_2Si$	Dichlorodimethylsilane	
16307b	CH_3Cl_3Si	Trichloromethylsilane	66.4	$C_2H_6Cl_2Si$	Dichlorodimethylsilane	
16308	CH_3I	Iodomethane	42.6	CH_4O	Methanol	64.7
16309	CH_3I	Iodomethane	42.7	$C_2H_4O_2$	Methyl formate	31.9
16310	CH_3NO_2	Nitromethane	101.3	C_2Cl_4	Tetrachloro-ethylene	120.8
16311	CH_3NO_2	Nitromethane	101.3	C_3H_8O	Propyl alcohol	97.5
16312	CH_3NO_2	Nitromethane	101.3	C_3H_8O	Propyl alcohol	97.5
16313	CH_3NO_2	Nitromethane	101.3	$C_4H_8O_2$	Methyl propionate	79.8
16314	CH_3NO_2	Nitromethane	101.3	C_5H_8	Isoprene	34.1
16315	CH_3NO_2	Nitromethane	101.3	C_5H_8	Isoprene	34.1
16316	CH_3NO_2	Nitromethane	101.3	C_5H_{10}	2-Methyl-2-butene	38.5
16317	CH_3NO_2	Nitromethane	101.2	$C_5H_{10}O$	3-Pentanone	102.2
16318	CH_3NO_2	Nitromethane	101.2	C_6H_6	Benzene	80.1
16319	CH_4	Methane	—161.5	C_2H_6	Ethane	— 88.6
16320	CH_4O	Methanol	64.7	C_2H_5Br	Bromoethane	38.4
		"			"	
16321	CH_4O	Methanol	64.7	C_2H_5Br	Bromoethane	38.4
16322	CH_4O	Methanol	64.7	C_2H_5I	Iodoethane	72.3
16323	CH_4O	Methanol	64.7	C_2H_5I	Iodoethane	72.3
16324	CH_4O	Methanol	64.7	C_2H_6O	Ethyl alcohol	78.3
16324a	CH_4O	Methanol	64.7	$C_2H_6O_2$	Ethylene glycol	197
16325	CH_4O	Methanol	64.5	C_3H_6O	Acetone	56.1
		"			"	
16326	CH_4O	Methanol	64.7	C_3H_6O	Acetone	56.25
16327	CH_4O	Methanol	64.7	C_3H_6O	Acetone	56.4
		"			"	
		"			"	
		"			"	
16327a	CH_4O	Methanol	64.7	C_3H_6O	Acetone	56.1
16328	CH_4O	Methanol	64.7	C_3H_6O	Acetone	56.25
		"			"	
16329	CH_4O	Methanol	64.7	$C_3H_6O_2$	Methyl acetate	57

C-Component			Azeotropic Data					
Formula	Name	B.P., °C.	B.P., °C.	Wt. % A	Wt. % B	Wt. % C		Ref.
C_7H_8	Toluene	110.7		Nonazeotrope			v-l	838
C_3H_7Br	2-Bromopropane	59.4	61.97	79	5.3	15.7		579
C_3H_7Br	2-Bromopropane	59.4		Nonazeotrope				579
C_4H_8O	Isopropyl formate	68.8		Nonazeotrope				579
C_4H_8O	2-Butanone	79.6		Nonazeotrope				981
C_6H_6	Benzene	80.1		Nonazeotrope			v-l	493
C_3H_6O	Acetone	56.4		Nonazeotrope				261
$C_8H_{18}O_3$	2 (2-Butoxy ethoxy) ethanol	230.6		Nonazeotrope				981
$C_4H_7ClO_2$	Ethyl chloroacetate	143.5		Nonazeotrope			v-l	886e
$C_4H_8Cl_2O$	Bis(2-chloroethyl) ether	179	60°C.	Nonazeotrope			v-l	886c
$C_3H_8O_2$	Methylal	42.25	38.5					563
C_5H_{12}	Pentane	36.15		Nonazeotrope				563
C_3H_8O	Propyl alcohol	97.5	86.68					611
$C_5H_{10}O$	3-Pentanone	102.2		Azeotropic				563
C_8H_{18}	*n*-Octane	125.75	85.52					611
C_7H_{14}	Methyl cyclohexane	101.1		Nonazeotrope				1038
C_5H_{10}	2-Methyl-2-butene	38.5		Nonazeotrope			v-l	716
C_5H_{12}	2-Methylbutane	27.9		Nonazeotrope			v-l	716
C_5H_{12}	2-Methylbutane	27.9		Nonazeotrope			v-l	716
$C_5H_{10}O_2$	Propyl acetate	101.55	99.0?					563
C_6H_{12}	Cyclohexane	80.75		Nonazeotrope			v-l	1010
C_3H_8	Propane 200° to 50°F.	—44		Nonazeotrope			v-l	766
C_5H_{10}	2-Methyl-2-butene	37.15	31.4	15	55	30		563
	"		32.0	7.1	48.5	44.4		497
C_5H_6O	2-Methyl-butane	27.95		Nonazeotrope				563
C_5H_{12}	Acetone	56.25		Nonazeotrope ?				563
$C_4H_8O_2$	Ethyl acetate	77.05		Nonazeotrope				563
C_3H_6O	Acetone	56.1		Nonazeotrope			v-l	16
C_4H_8O	Tetrahydrofuran	66		Nonazeotrope			v-l	859c
$C_3H_6O_2$	Methyl acetate	56.3	53.7	17.4	5.8	76.8		982,563
	" "	56.3		Nonazeotrope				303
C_4H_9Cl	1-Chloro-2-methylpropane	68.85	52.0					563
C_6H_{12}	Cyclohexane	80.75	51.1	16	43.5	40.5		276
	" 35°			8.9	52.4	38.7	v-l	622
	" 45°						v-l	622
	" 55°						v-l	622
C_6H_{14}	2,3-Dimethylbutane	58	44	12.4	20.2	67.4	v-l	1026c
C_6H_{14}	Hexane	68.95		Nonazeotrope				563
	"		47	14.6	30.8	59.6		283
C_6H_{12}	Cyclohexane	80.75	50.8	17.8	48.6	33.6		276

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A-Component				B-Component		
No.	Formula		B.P., °C.	Formula	Name	B.P., °C.
16330	CH_4O	Methanol	64.5	$C_3H_6O_2$	Methyl acetate	56.3
		"			" "	
16331	CH_4O	Methanol	64.7	$C_3H_8O_2$	Methylal	42.25
16332	CH_4O	Methanol	64.7	$C_3H_9BO_3$	Trimethyl borate	68.7
16333	CH_4O	Methanol	64.7	$C_4H_8O_2$	Ethyl acetate	77.05
16334	CH_4O	Methanol	64.7	C_5H_8	Isoprene	
16335	CH_4O	Methanol	64.7	C_5H_8	Isoprene	
16336	CH_4O	Methanol	64.7	C_6H_6	Benzene	80.2
16337	CH_4O	Methanol	64.7	C_6H_6	Benzene	80.2
		"			"	
16337a	CH_4O	Methanol	64.7	C_6H_6	Benzene	80.1
16338	CH_4O	Methanol	64.7	C_6H_8	1,3-Cyclohexadiene	80.8
16338a	CH_4O	Methanol	64.7	C_6H_{14}	Hexane	68.9
16338b	CH_4O	Methanol	64.7	C_7H_8	Toluene	110.7
16339	CH_4O	Methylamine	— 6.7	C_4H_6	Butadiene	— 4.6
16340	C_2Cl_4	Tetrachloroethylene	120.8	$C_2H_4O_2$	Acetic acid	118.5
16341	C_2Cl_4	Tetrachloroethylene	120.8	C_3H_5ClO	Epichlorohydrin	116.45
16342	C_2Cl_4	Tetrachloroethylene	120.8	C_3H_5ClO	Epichlorohydrin	116.45
16343	C_2Cl_4	Tetrachloroethylene	120.8	C_3H_5ClO	Epichlorohydrin	116.45
16344	C_2Cl_4	Tetrachloroethylene	120.8	C_3H_5ClO	Epichlorohydrin	116.45
16345	C_2Cl_4	Tetrachloroethylene	120.8	C_3H_5ClO	Epichlorohydrin	116.45
16346	C_2Cl_4	Tetrachloroethylene	120.8	$C_3H_{12}O_3$	Ethyl carbonate	126.0
16347	C_2Cl_4	Tetrachloroethylene	120.8	$C_6H_{12}O_2$	Isoamyl formate	123.6
16348	C_2HCl_3	Trichloroethylene	87.2	C_6H_6	Benzene	80.1
16349	C_2H_2	Acetylene	— 84	C_2H_4	Ethylene	—104
16350	$C_2H_3ClO_2$	Chloroacetic acid	186.5	C_7H_7Br	*o*-Bromotoluene	181.75
16351	$C_2H_3ClO_2$	Chloroacetic acid	186.5	C_7H_7Cl	α-Chlorotoluene	179.35
16352	C_2H_3N	Acetonitrile	81.6	C_2H_6O	Ethyl alcohol	78.3
16353	C_2H_3N	Acetonitrile	81.6	C_5H_8	Isoprene	34.1
16354	C_2H_3N	Acetonitrile	81.6	C_5H_8	Isoprene	34.1
16355	C_2H_3N	Acetonitrile	81.6	C_5H_{10}	2-Methyl-2-butene	38.5
16356	$C_2H_4Br_2$	1,2-Dibromoethane	131.5	$C_2H_4O_2$	Acetic acid	118.5
16357	$C_2H_4Br_2$	1,2-Dibromoethane	131.5	$C_3H_6O_2$	Propionic acid	140.7
16358	$C_2H_4Br_2$	1,2-Dibromoethane	131.5	$C_5H_{12}O$	Isoamyl alcohol	131.8
16359	$C_2H_4Br_2$	1,2-Dibromoethane	131.5	$C_5H_{12}O$	Isoamyl alcohol	131.8
16360	$C_2H_4Cl_2$	1,2-Dichloroethane	83.45	C_3H_6O	Acetone	56.4

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C-Component			Azeotropic Data					
Formula	Name	B.P., °C.	B.P., °C.	Wt. % A	Wt. % B	Wt. % C		Ref.
C_6H_{14}	Hexane	68.7	45	14	27	59		982
	"		47.4	14.6	36.8	48.6		497
C_5H_{10}	2-Methyl-2-butene	37.15		Nonazeotrope				563
C_4H_8O	Tetrahydrofuran	65		Nonazeotrope			v-l	318
C_6H_{12}	Cyclohexane	80.75		Nonazeotrope				563
C_5H_{10}	2-Methyl-2-butene	38.5		Nonazeotrope			v-l	716
C_5H_{12}	2-Methyl-butane	27.9		Nonazeotrope			v-l	716
C_6H_{10}	Cyclohexene	82.75		Nonazeotrope				563
C_6H_{12}	Cyclohexane	80.75		Nonazeotrope				563
	"	80.75		Nonazeotrope			v-l	663,1060
C_7H_8	Toluene	110.7					v-l	105c
C_6H_{12}	Cyclohexane	80.75		Nonazeotrope				563
C_7H_{14}	Methylcyclohexane	101.6					v-l	848c
C_7H_{14}	Methylcyclohexane	101.6					v-l	778c
C_4H_8	1-Butene	—6.1		Nonazeotrope			v-l	407
C_3H_5ClO	Epichlorohydrin	116.45		Nonazeotrope				563
C_3H_8O	Propyl alcohol	97.2		Nonazeotrope				563
C_4H_9I	1-Iodo-2-methyl-propane	120		Azeotrope ?				563
$C_4H_{10}O$	Isobutyl alcohol	108		Nonazeotrope				563
$C_5H_{12}O$	Isoamyl alcohol	131.8		Nonazeotrope				563
$C_6H_{12}O_2$	Ethyl butyrate	119.9		Nonazeotrope				563
$C_5H_{12}O$	Isoamyl alcohol	131.8	<116.0?					563
$C_6H_{12}O_3$	Paraldehyde	124	~ 117.6	45	25	30		563
C_6H_{12}	Cyclohexane	80.7		Nonazeotrope			v-l	780
C_2H_6	Ethane	—88		Nonazeotrope			v-l	387
$C_{10}H_{16}$	*d*-Limonene	177.8		Nonazeotrope				563
$C_{10}H_{16}$	*d*-Limonene	177.8		Nonazeotrope				563
$C_6H_{15}N$	Triethylamine	89.7	70.1	34	8	58		982
C_5H_{10}	2-Methyl-2-butene	38.5		Nonazeotrope			v-l	716
C_5H_{12}	2-Methylbutane	27.9		Nonazeotrope			v-l	716
C_5H_{12}	2-Methylbutane	27.9		Nonazeotrope			v-l	716
C_6H_5Cl	Chlorobenzene	131.8		Nonazeotrope				563
C_6H_5Cl	Chlorobenzene	131.8	127.5					563
C_6H_5Cl	Chlorobenzene	131.8		Nonazeotrope				563
C_8H_{10}	Ethylbenzene	136.15		Nonazeotrope				563
C_6H_6	Benzene	80.1		Nonazeotrope			v-l	125

A-Component				B-Component		
No.	Formula		B.P., °C.	Formula	Name	B.P., °C.
16361	C_2H_4O	Acetaldehyde	20.2	$C_2H_4O_2$	Acetic acid	118.1
16362	$C_2H_4O_2$	Acetic acid	118.1	C_3H_5ClO	Epichlorohydrin	116.45
16362a	$C_2H_4O_2$	Acetic acid	118.1	$C_3H_6O_2$	Propionic acid	140.7
16363	$C_2H_4O_2$	Acetic acid	118.1	$C_4H_6O_3$	Acetic anhydride	139.6
16363a	$C_2H_4O_2$	Acetic acid	118.1	$C_4H_6O_3$	Acetic anhydride	139.6
16364	$C_2H_4O_2$	Acetic acid	118.1	C_4H_8O	2-Butanone	79.6
16365	$C_2H_4O_2$	Acetic acid	118.1	C_4H_8O	2-Butanone	79.6
16366	$C_2H_4O_2$	Acetic acid	118.1	$C_4H_8O_2$	Ethyl acetate	77.1
16367	$C_2H_4O_2$	Acetic acid	118.1	C_5H_5N	Pyridine	115.5
		"			"	
16368	$C_2H_4O_2$	Acetic acid	118.1	C_5H_5N	Pyridine	115.5
16369	$C_2H_4O_2$	Acetic acid	118.1	C_5H_5N	Pyridine	115.5
16370	$C_2H_4O_2$	Acetic acid	118.1	C_5H_5N	Pyridine	115
16371	$C_2H_4O_2$	Acetic acid	118.1	C_5H_5N	Pyridine	115.5
16372	$C_2H_4O_2$	Acetic acid	118.1	C_5H_5N	Pyridine	115.5
		"			"	
16373	$C_2H_4O_2$	Acetic acid	118.1	C_5H_5N	Pyridine	115.5
16374	$C_2H_3O_2$	Acetic acid	118.1	C_5H_5N	Pyridine	115.5
16374a	$C_2H_4O_2$	Acetic acid	118.1	$C_5H_{12}O$	Isoamyl alcohol	132
	"	"	"	"	"	"
16374b	$C_2H_4O_2$	Acetic acid	118.1	C_6H_6	Benzene	80.1
16375	$C_2H_3O_2$	Acetic acid	118.1	C_6H_7N	2-Picoline	134
16376	$C_2H_4O_2$	Acetic acid	118.1	C_6H_7N	2-Picoline	134
16377	$C_2H_4O_2$	Acetic acid	118.1	C_6H_7N	2-Picoline	134
16378	$C_2H_4O_2$	Acetic acid	118.1	C_6H_7N	2-Picoline	134
16379	$C_2H_4O_2$	Acetic acid	118.1	C_7H_9N	2,6-Lutidine	144
16380	$C_2H_4O_2$	Acetic acid	118.1	C_7H_9N	2,6-Lutidine	144
		"			"	
16381	$C_2H_4O_2$	Acetic acid	118.1	C_7H_9N	2,6-Lutidine	144
16382	$C_2H_4O_2$	Acetic acid	118.1	C_8H_{10}	Ethylbenzene	136.15
16383	$C_2H_4O_2$	Methyl formate	31.9	C_2H_5Br	Bromoethane	38.4
16384	$C_2H_4O_2$	Methyl formate	31.9	C_2H_5Br	Bromoethane	38.4
16385	$C_2H_4O_2$	Methyl formate	31.9	C_2H_5Br	Bromoethane	38.4
		" "			"	
16386	$C_2H_4O_2$	Methyl formate	31.9	C_2H_5Br	Bromoethane	38.4
16387	$C_2H_4O_2$	Methyl formate	31.9	C_2H_6S	Ethanethiol	24.3
16388	$C_2H_4O_2$	Methyl formate	31.9	$C_4H_{10}O$	Ethyl ether	34.6
16389	$C_2H_4O_2$	Methyl formate	31.9	$C_4H_{10}O$	Ethyl ether	34.6
		" "			" "	
16390	$C_2H_4O_2$	Methyl formate	31.9	C_5H_{10}	Cyclopentane	49.3
16391	C_2H_5I	Iodoethane	72.3	C_2H_6O	Ethyl alcohol	78.3
16392	$C_2H_5NO_2$	Nitroethane	114.2	$C_4H_8O_2$	*p*-Dioxane	101.3
16393	C_2H_6O	Ethyl alcohol	78.3	C_4H_8O	2-Butanone	79.6
16394	C_2H_6O	Ethyl alcohol	78.3	C_4H_8O	2-Butanone	79.6
16395	C_2H_6O	Ethyl alcohol	78.3	C_4H_8O	2-Butanone	79.6

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C-Component			Azeotropic Data					
Formula	Name	B.P., °C.	B.P., °C.	Wt. % A	Wt. % B	Wt. % C		Ref.
$C_4H_6O_2$	Vinyl acetate	72					v-l	831
C_7H_8	Toluene	110.7		Nonazeotrope				563
$C_4H_8O_2$	Butyric acid	162.4		Nonazeotrope			v-l	970c
C_5H_5N	Pyridine	115	134.4	23	55	22		428
$C_5H_8O_4$	Methylene diacetate	164		Nonazeotrope			v-l	954c
$C_4H_8O_2$	Ethyl acetate	77.1		Nonazeotrope			v-l	331
C_6H_{14}	Hexane	68.7		Nonazeotrope			v-l	331
C_6H_{14}	Hexane	68.7		Nonazeotrope			v-l	331
C_7H_{16}	Heptane	98.4	96.2	2	6.5	91.5		1071
	"		96.5	3.4	10.6	86.0		1052
C_8H_{10}	Ethylbenzene	136.15	129.08	13.5	25.2	61.3		309.1061
C_8H_{10}	*o*-Xylene	143.6	132.2	17.7	30.5	51.8		1070
C_8H_{10}	*p*-Xylene	138.4	129.22	10.2	22.5	67.3		307
C_8H_{18}	Octane	125.75	115.7	10.4	20.1	69.5		1052
C_9H_{20}	Nonane	150.7	128.0	20.7	29.4	49.9		1070
	"		128.0	20.9	29.3	49.8		307,1052
$C_{10}H_{22}$	Decane	173.3	134.1	31.4	38.2	30.4		1052
$C_{11}H_{24}$	Undecane	194.5	137.1	37.5	43.5	19.0		1068
$C_7H_{14}O_2$	Isoamyl acetate	142	20 mm	4.8	35.3	59.9	v-l	494c
"	"	"	760 mm 132	15	54	31	v-l	494c
C_6H_{12}	Cyclohexane	80.75	77.2	7.6	34.4	58		40c
C_8H_{18}	Octane	125.75	121.3	3.6	24.8	71.6		1067
C_9H_{20}	Nonane	150.7	135.0	12.8	38.4	48.8		1067
$C_{10}H_{22}$	Decane	173.3	141.3	19.9	46.8	33.3		1067
$C_{11}H_{24}$	Undecane	194.5	143.4	30.5	55.2	14.3		1067
C_8H_{18}	Octane	125.75		Nonazeotrope				1062
$C_{10}H_{22}$	Decane	173.3	147.0	12.6	74.3	13.1		945,1062
	"						v-l	1055
$C_{11}H_{24}$	Undecane	194.5	162.0	75.0	13.8	11.3		1068
C_9H_{20}	Nonane	150.7		Nonazeotrope				309,1061
C_5H_8	Isoprene	34.1	<23					563
C_5H_{10}	2-Methyl-2-butene	37.15	24.1					563
C_5H_{12}	2-Methylbutane	27.95	16.95	~ 52	~ 5	~ 54		1045
	"			Nonazeotrope				497
C_5H_{12}	Pentane	36.15	21.7?					563
C_5H_{10}	2-Methyl-2-butene	37.15	24?					563
C_5H_{10}	2-Methyl-2-butene	37.15	24					563
C_5H_{12}	Pentane	36.15	20.4	40	8	52		563
	"			Nonazeotrope				497
C_6H_{14}	2,2-Dimethylbutane	49.7		Nonazeotrope				788
$C_4H_8O_2$	Ethyl acetate	77.05		Nonazeotrope				563
$C_4H_{10}O$	Isobutyl alcohol	108	102.87	31.7	17.7	50.6		612
$C_4H_8O_2$	Ethyl acetate	77.0		Nonazeotrope				296,31c
$C_4H_8O_2$	Methyl propionate	79.7		Nonazeotrope				563
C_6H_6	Benzene	80.2		Nonazeotrope				563

A-Component				B-Component		
No.	Formula		B.P., °C.	Formula	Name	B.P., °C.
16396	C_2H_6O	Ethyl alcohol	78.3	C_4H_8O	2-Butanone	79.6
16397	C_2H_6O	Ethyl alcohol	78.3	$C_4H_8O_2$	Ethyl acetate	77
16398	C_2H_6O	Ethyl alcohol	78.3	$C_4H_8O_2$	Ethyl acetate	77.05
16399	C_2H_6O	Ethyl alcohol	78.3	C_4H_9Cl	1-Chloro-2-methylpropane	68.95
16400	C_2H_6O	Ethyl alcohol	78.3	$C_6H_{14}OSi$	Ethoxytrimethylsilane	75-76
16401	C_2H_6O	Ethyl alcohol	78.3	C_6H_6	Benzene	80.2
		" "			"	
		" "			"	
16402	C_2H_6O	Ethyl alcohol	78.3	C_6H_6	Benzene	80.1
16403	C_2H_6O	Ethyl alcohol	78.3	C_6H_6	Benzene	80.1
		" "			"	
16404	C_2H_6O	Ethyl alcohol	78.3	C_6H_6	Benzene	80.1
16405	C_2H_6O	Ethyl alcohol	78.3	C_6H_6	Benzene	80.1
		" "			"	
16406	C_2H_6O	Ethyl alcohol	78.3	C_6H_7N	Aniline	184.35
16407	C_2H_6O	Ethyl alcohol	78.3	C_6H_7N	Aniline	184.35
16408	C_2H_6O	Ethyl alcohol	78.3	C_7H_8	Toluene	110.7
16409	C_2H_6OS	Dimethyl sulfoxide		C_7H_8	Toluene	110.7
16409a	$C_2H_6O_2$	Ethylene glycol	197	$C_4H_{10}O$	Butyl alcohol	117.7
16410	$C_2H_6O_2$	Ethylene glycol	197.4	C_5H_5N	Pyridine	115
16411	$C_2H_6O_2$	Ethylene glycol	197.4	C_6H_6O	Phenol	181.4
16412	$C_2H_6O_2$	Ethylene glycol	197.4	C_6H_6O	Phenol	181.4
16413	$C_2H_6O_2$	Ethylene glycol	197.4	C_6H_6O	Phenol	181.4
16414	$C_2H_6O_2$	Ethylene glycol	197.4	C_6H_6O	Phenol	181.4
16415	$C_2H_6O_2$	Ethylene glycol	197.4	C_6H_7N	Aniline	184.35
16416	$C_2H_6O_2$	Ethylene glycol	196.7	C_7H_8O	*o*-Cresol	191
16417	C_3H_4	Propadiene	— 32	C_3H_4	Propyne	— 23.2
16418	C_3H_4	Propadiene	— 32	C_3H_4	Propyne	— 23.2
16419	C_3H_4	Propadiene	— 32	C_3H_4	Propyne	— 23.2
16420	C_3H_5ClO	Epichlorohydrin	116.45	C_3H_8O	Propyl alcohol	97.2
16421	C_3H_5ClO	Epichlorohydrin	116.45	C_4H_9I	1-Iodo-2-methylpropane	120
16422	C_3H_5ClO	Epichlorohydrin	116.45	$C_4H_{10}O$	Isobutyl alcohol	108.0
16423	$C_3H_5Cl_3$	1,2,3-Trichloropropane	156.85	C_6H_{12}	1-Hexene	63.5
16424	C_3H_5I	3-Iodopropene	102	C_3H_8O	Propyl alcohol	97.2
16425	C_3H_5I	3-Iodopropene	102	$C_5H_{10}O$	3-Pentanone	102.2
16426	C_3H_5I	3-Iodopropene	102	$C_5H_{10}O$	3-Pentanone	102.2
16427	$C_3H_6Cl_2O$	1,3-Dichloro-2-propanol	174.5	$C_4H_6O_4$	Methyl oxalate	163.3
16428	$C_3H_6Cl_2O$	1,3-Dichloro-2-propanol	174.5	$C_6H_{12}O_3$	Propyl lactate	171.7

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C-Component			Azeotropic Data					
Formula	Name	B.P., °C.	B.P., °C.	Wt. % A	Wt. % B	Wt. % C		Ref.
C_6H_{12}	Cyclohexane	80.75		Nonazeotrope				563
$C_4H_{10}O$	Butyl alcohol	725 mm		Nonazeotrope			v-l	608
C_6H_{12}	Cyclohexane	80.75	64.3?					563
C_6H_{14}	Hexane	68.95		Azeotropic ?				563
C_6H_6	Benzene	80.2		Min. b.p.				192
C_6H_{12}	Cyclohexane	80.75		Nonazeotrope				563
	"		65.05	30.4	10.8	58.8		1060
	"		64.7	29.6	12.8	57.6	v-l	204, 666, 1032c
C_6H_{12}	Methylcyclopentane	72		Nonazeotrope				886
C_6H_{14}	Hexane	68.7		Nonazeotrope			v-l	1049
	"	68.95		Nonazeotrope				949
C_7H_{14}	Methylcyclohexane	100.88		Nonazeotrope				949
C_7H_{16}	Heptane	98.4		Nonazeotrope			v-l	698, 1002
	" 180 mm		32.38	22.4	74.2	3.4	v-l	708
C_7H_8	Toluene	110.7		Nonazeotrope				390
C_7H_{16}	Heptane	98.4		Nonazeotrope			v-l	390
C_7H_{16}	Heptane	98.4					v-l	390
C_7H_{16}	Heptane	98.4					v-l	1022
$C_6H_{12}O_2$	Butyl acetate	126	725 mm	Nonazeotrope			v-l	608c
C_6H_6O	Phenol	181.4		Nonazeotrope				791
C_6H_7N	2-Picoline	128.8	185.01	5.9	79.1	15.0		791
C_6H_7N	3-Picoline	143.5	186.41	15.9	67.7	16.4		790,791
C_7H_9N	2,6-Lutidine	142	185.04	8.7	74.6	16.7		791
$C_8H_{11}N$	2,4,6-Collidine	171	188.55	29.5	54.8	15.7		791
$C_{10}H_{16}$	*d*-Limonene	177.8	162.45					563
$C_8H_{11}N$	*s*-Collidine	171.30	189.65	33.6	62.4	4.0		505
C_3H_6	Propene	— 47.7		Nonazeotrope				981
C_3H_8	Propane	— 42.1		Nonazeotrope				981
C_4H_6	Butadiene	— 4.5		Nonazeotrope				981
C_7H_8	Toluene	110.7		Nonazeotrope				563
$C_6H_{12}O_2$	Ethyl butyrate	119.9		Nonazeotrope				563
C_7H_8	Toluene	110.7		Nonazeotrope				563
C_6H_{14}	Hexane	68.74		Nonazeotrope			v-l	933
$C_5H_{10}O$	3-Pentanone	102.2		Nonazeotrope				563
$C_5H_{10}O_2$	Propyl acetate	101.55		Azeotropic ?				563
C_7H_{14}	Methylcyclohexane	101.8		Azeotropic ?				563
$C_{10}H_{16}$	*d*-Limonene	177.8		Nonazeotrope				563
C_7H_7Cl	α-Chlorotoluene	179.35		Nonazeotrope				563

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A-Component				B-Component		
No.	Formula		B.P., °C.	Formula	Name	B.P., °C.
16429	$C_3H_6Cl_2O$	1,3-Dichloro-2-propanol	174.5	$C_6H_{12}O_3$	Propyl lactate	171.7
16430	$C_3H_6Cl_2O$	1,3-Dichloro-2-propanol	174.5	C_7H_7Cl	α-Chlorotoluene	179.35
16431	$C_3H_6Cl_2O$	2,3-Dichloro-1-propanol	56.1	$C_8H_{18}O$	*sec*-Octyl alcohol	178.7
16431a	C_3H_6O	Acetone	56.1	$C_3H_6O_2$	Methyl acetate	57.1
16431b	C_3H_6O	Acetone	56.1	$C_3H_6O_2$	Methyl acetate	57.1
16432	C_3H_6O	Acetone	56.1	$C_3H_6O_2$	Methyl acetate	56.3
		"			" "	
16433	C_3H_6O	Acetone	56.25	C_3H_8O	Isopropyl alcohol	82.3
16433a	C_3H_6O	Acetone	56.1	C_3H_8O	Isopropyl alcohol	82.3
16433b	C_3H_6O	Acetone	56.1	C_3H_8O	Isopropyl alcohol	82.3
16433c	C_3H_6O	Acetone	56.1	C_4H_8O	2-Butanone	79.6
16434	C_3H_6O	Acetone	56.5	C_4H_9Cl	1-Chloro-2-methylpropane	68.85
16435	C_3H_6O	Acetone	56.5	C_5H_8	Isoprene	34.1
16436	C_3H_6O	Acetone	56.1	C_5H_8	Isoprene	34.1
16437	C_3H_6O	Acetone	56.1	C_6H_5Cl	Chlorobenzene	131.8
16438	C_3H_6O	Acetone	56.4	C_6H_6	Benzene	80.1
16438a	C_3H_6O	Acetone	56.1	C_6H_6	Benzene	80.1
16439	C_3H_6O	Acetone	56.4	C_7H_8	Toluene	110.4
16440	C_3H_6O	Allyl alcohol	97.1	$C_6H_{14}O$	Isopropyl ether	68.3
16441	$C_3H_6O_2$	Methyl acetate	57.1	C_6H_6	Benzene	80.1
16442	$C_3H_6O_2$	Propionic acid	140.7	C_5H_5N	Pyridine	115.5
16443	C_3H_7NO	Dimethylformamide		C_7H_8	Toluene	110.7
		"			" "	
16443a	C_3H_8O	Isopropyl alcohol	82.3	C_4H_8O	2-Butanone	79.6
16444	C_3H_8O	Isopropyl alcohol	82.45	$C_4H_8O_2$	Ethyl acetate	77.05
16445	C_3H_8O	Isopropyl alcohol	82.3	$C_5H_{10}O_2$	Isopropyl acetate	88.7
16446	C_3H_8O	Isopropyl alcohol	82.3	C_6H_6	Benzene	80.1
		" "			"	
16447	C_3H_8O	Propyl alcohol	97.2	$C_5H_{10}O$	3-Pentanone	102.2
16448	C_3H_8O	Propyl alcohol	97.2	C_6H_6	Benzene	80.2
		" "			"	
		" "			"	
		" "			"	
16448a	C_3H_8O	Propyl alcohol	97.2	C_6H_6	Benzene	80.1
16449	$C_3H_8O_2$	2-Methoxyethanol	124.5	C_6H_6	Benzene	80.1
16450	$C_3H_8O_2$	2-Methoxyethanol	124.5	C_8H_8	Styrene	144
16451	$C_3H_8O_2$	Methylal	42.25	C_5H_{10}	2-Methyl-2-butene	37.15

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C-Component			Azeotropic Data					
Formula	Name	B.P., °C.	B.P., °C.	Wt. % A	Wt. % B	Wt. % C		Ref.
$C_{10}H_{16}$	*d*-Limonene	177.8	165.5?					563
$C_{10}H_{16}$	*d*-Limonene	177.8	165.5?					563
$C_{10}H_{16}$	*d*-Limonene	177.8		Nonazeotrope				563
C_4H_8O	2-Butanone	79.6		Nonazeotrope			v-l	31f
$C_4H_8O_2$	Ethyl acetate	77.0		Nonazeotrope			v-l	507k
C_6H_{14}	Hexane	68.7	49.7	51.1	5.6	43.3		497
	"	68.7	47	45	7	48		981
$C_5H_{10}O_2$	Isopropyl acetate	88.7		Nonazeotrope				981
C_6H_6	Benzene	80.1		Nonazeotrope			v-l	996f
C_7H_8	Toluene	110.7		Nonazeotrope			v-l	996f
$C_4H_8O_2$	Ethyl acetate	77.0		Nonazeotrope			v-l	31f
C_6H_{14}	Hexane	68.95		Nonazeotrope				563
C_5H_{10}	2-Methyl-2-butene	38.5		Nonazeotrope				716
C_5H_{12}	2-Methylbutane	27.9		Nonazeotrope				716
C_6H_6	Benzene	80.1		Nonazeotrope			v-l	290
C_6H_{12}	Cyclohexane	80.75		Nonazeotrope			v-l	502
C_7H_8	Toluene	110.7		Nonazeotrope			v-l	996f
C_7H_{14}	Methylcyclohexane	100.8		Liquid-vapor equilibrium				86
$C_9H_{16}O_2$	2,2-Bis(allyloxy) propane			Nonazeotrope				981
C_6H_{12}	Cyclohexane	80.7		Nonazeotrope				681
$C_{11}H_{24}$	Undecane	194.5	147.1	55.5	26.4	18.1		1068
C_7H_{16}	Heptane	90°C					v-l	1022
	"		~ 68.3					563
C_6H_{12}	Cyclohexane	80.7	68.9	23.3	16.7	60		597c
C_6H_{12}	Cyclohexane	80.75	68.3					563
$C_6H_{14}O$	Isopropyl ether	68.3		Nonazeotrope				981
C_6H_{12}	Cyclohexane	80.75		Azeotrope				614
	"		69.1	31.1	15.0	53.9	v-l	683
$C_5H_{10}O_2$	Propyl acetate	101.55		Nonazeotrope				563
C_6H_{12}	Cyclohexane	80.75	<74?					563
	"		73.81	15.5	30.4	54.2	v-l	661
	"		73.75	18	28	54		614,1060
	" 66.7-216.7 p.s.i.g.						v-l	939
C_7H_{16}	Heptane	98		Nonazeotrope			v-l	302e
C_6H_{12}	Cyclohexane	80.75	73	9	39.1	51.9	v-l	961
C_8H_{10}	Ethylbenzene	62 mm		Nonazeotrope			v-l	421
C_5H_{12}	Pentane	36.15		Nonazeotrope				563

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A-Component				B-Component		
No.	Formula		B.P., °C.	Formula	Name	B.P., °C.
16451a	C_4H_4	Vinyl acetylene	5.0	C_4H_6	1,3-Butadiene	—4.6
16451b	C_4H_4	Vinyl acetylene	5.0	C_4H_{10}	Butane	—0.5
16451c	C_4H_6	1,3-Butadiene	—4.6	C_4H_6	1-Butyne	7
16451d	C_4H_6	1,3-Butadiene	—4.6	C_4H_{10}	Butane	—0.5
16452	$C_3H_6O_3$	Methyl oxalate	163.3	$C_5H_4O_2$	2-Furaldehyde	161.5
16453	$C_3H_6O_3$	Methyl oxalate	163.3	C_6H_5Br	Bromobenzene	156.1
16454	$C_3H_6O_3$	Methyl oxalate	163.3	C_6H_5Br	Bromobenzene	156.1
16455	$C_3H_6O_3$	Methyl oxalate	163.3	$C_6H_{12}O$	Cyclohexanol	160.65
16456	$C_3H_6O_3$	Methyl oxalate	163.3	$C_6H_{12}O$	Cyclohexanol	160.65
16457	$C_3H_6O_3$	Methyl oxalate	163.3	C_9H_{12}	Mesitylene	164.0
16458	$C_4H_7BrO_2$	Ethyl bromo-acetate	158.2	C_6H_5Br	Bromobenzene	156.1
16459	$C_4H_7BrO_2$	Ethyl bromo-acetate	158.2	$C_6H_{12}O$	Cyclohexanol	160.65
16460	$C_4H_7BrO_2$	Ethyl bromo-acetate	158.2	C_7H_8O	Anisole	158.85
16461	$C_4H_7ClO_2$	Ethyl chloro-acetate	143.5	$C_4H_8O_3$	Methyl lactate	144.8
16462	$C_4H_7ClO_2$	Ethyl chloro-acetate	143.5	$C_7H_{14}O_2$	Propyl butyrate	143
16463	C_4H_8O	2-Butanone	79.6	$C_4H_8O_2$	Ethyl acetate	77.1
16464	C_4H_8O	2-Butanone	79.6	$C_4H_8O_2$	Propyl formate	80.8
16465	C_4H_8O	2-Butanone	79.6	$C_4H_{10}O$	Butyl alcohol	117.5
16466	C_4H_8O	2-Butanone	79.6	C_6H_6	Benzene	80.1
		"			"	
16467	C_4H_8O	2-Butanone	79.6	C_7H_8	Toluene	110.7
16468	$C_4H_8O_2$	Butyric acid	162.45	C_5H_5N	Pyridine	115.5
16469	$C_4H_8O_2$	Dioxane	101.1	$C_4H_{10}O$	Isobutyl alcohol	107
16470	$C_4H_8O_2$	Dioxane	101.1	C_6H_{12}	1-Hexene	63.5
16471	$C_4H_8O_2$	Ethyl acetate	77.1	$C_4H_{10}O$	Butyl alcohol	117.7
16472	$C_4H_8O_2$	Ethyl acetate	77.05	C_6H_6	Benzene	80.1
16473	$C_4H_8O_2$	Isobutyric acid	154.35	C_6H_5Br	Bromobenzene	156.1
16474	$C_4H_8O_2$	Isobutyric acid	154.35	C_7H_8O	Anisole	153.85
16475	$C_4H_8O_2S$	Sulfolane		C_7H_8O	Toluene	110.7
16476	C_4H_9Cl	Chlorobutane	78.44	$C_4H_{10}O$	Butyl alcohol	117.73
16477	$C_4H_9Cl_3Sn$	Butyltin trichloride	113/17	$C_8H_{18}Cl_2Sn$	Dibutyltin dichloride	157/17
16478	$C_4H_{10}O$	Butyl alcohol	117.7	$C_4H_{11}N$	Butylamine	77.8
16479	$C_4H_{10}O$	Butyl alcohol	117.75	C_5H_5N	Pyridine	115.5
		"			"	
16480	$C_4H_{10}O$	Butyl alcohol	117.75	C_6H_6	Benzene	80.1
		"			"	
16481	$C_4H_{10}O$	Butyl alcohol	117.7	C_6H_6	Benzene	80.1
16481a	$C_4H_{10}O$	Butyl alcohol	117.7	$C_6H_{12}O$	Cyclohexanol	160.6
16481b	$C_4H_{10}O$	Butyl alcohol	117.7	$C_6H_{12}O_2$	Butyl acetate	126

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C-Component			Azeotropic Data					
Formula	Name	B.P., °C.	B.P., °C.	Wt. % A	Wt. % B	Wt. % C		Ref.
C_4H_8	*cis*-2-Butene	1		Nonazeotrope			v-l	149c
C_4H_{10}	2-Methylpropane	—10		Nonazeotrope			v-l	149c
C_4H_{10}	Butane	—0.5		Nonazeotrope			v-l	149c
C_4H_{10}	2-Methylpropane	—10		Nonazeotrope			v-l	149c
$C_{10}H_{16}$	α-Pinene	155.8		Nonazeotrope				563
$C_6H_{12}O$	Cyclohexanol	160.65		Nonazeotrope				563
$C_{10}H_{16}$	α-Pinene	155.8		Nonazeotrope				563
C_9H_{12}	Mesitylene	174	<154.5					563
$C_{10}H_{16}$	*d*-Limonene	177.8		Reacts				563
$C_{10}H_{16}$	Nopinene	163.8		Nonazeotrope				563
$C_{10}H_{16}$	α-Pinene	155.8	<152.3?					563
$C_{10}H_{16}$	α-Pinene	155.8		Nonazeotrope				563
$C_{10}H_{16}$	α-Pinene	155.8	<150.4					563
C_8H_{10}	*m*-Xylene	139.0		Nonazeotrope				563
C_8H_{10}	*m*-Xylene	139.0		Nonazeotrope				563
C_6H_{14}	Hexane	68.7		Nonazeotrope			v-l	331
C_6H_6	Benzene	80.2		Nonazeotrope				563
C_7H_{16}	Heptane	98.5		Nonazeotrope			v-l	27
C_6H_{12}	Cyclohexane	80.75		Nonazeotrope			v-l	184, 212
	" 14.7-186.8 p.s.i.g.			Nonazeotrope			v-l	184, 940
C_7H_{16}	*n*-Heptane	98.45		Nonazeotrope			v-l	917
$C_{11}H_{24}$	Undecane	194.5		Nonazeotrope				1068
C_7H_8	Toluene	110.6	101.8	44.3	26.7	30.0		1038
C_6H_{14}	Hexane	68.74		Nonazeotrope			v-l	933
C_7H_8	Toluene	110.7		Nonazeotrope				589
C_6H_{12}	Cyclohexane	80.75		Nonazeotrope			v-l	146, 147
$C_{10}H_{16}$	α-Pinene	155.8	146.4					563
$C_{10}H_{16}$	α-Pinene	155.8	143.9					563
C_7H_{16}	Heptane	90°C					v-l	1022
$C_8H_{18}O$	Butyl ether	141.97		Nonazeotrope				806
$C_{12}H_{27}ClSn$	Tributyltin chloride	166/17		Nonazeotrope				981
$C_8H_{19}N$	Dibutylamine	159.6		Nonazeotrope				981
C_7H_8	Toluene	110.7	108.7	11.9	20.7	67.4		392
	"			Nonazeotrope				497
C_6H_{12}	Cyclohexane	80.75	77.42	4	48	48		1060
	"			Nonazeotrope			v-l	930c
C_7H_{16}	Heptane	98.4		Nonazeotrope			v-l	993
$C_6H_{12}O_2$	Butyl acetate	126	725 mm	Nonazeotrope			v-l	684d
C_7H_8	Toluene	110.7	725 mm	Nonazeotrope			v-l	608f

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A-Component				B-Component		
No.	Formula		B.P., °C.	Formula	Name	B.P., °C.
16482	$C_4H_{10}O$	Butyl alcohol	117.7	$C_6H_{12}O_2$	Butyl acetate	126.1
16482a	$C_4H_{10}O$	Butyl alcohol	117.7	$C_6H_{12}O_2$	Isobutyl acetate	117.2
16482b	$C_4H_{10}O$	*tert*-Butyl alcohol	82.5	C_6H_6	Benzene	80.1
16483	$C_4H_{10}O$	Ethyl ether	34.6	C_5H_{10}	2-Methyl-2-butene	37.15
16484	$C_4H_{10}O$	Isobutyl alcohol	107.0	C_6H_6	Benzene	80.1
16484a	$C_4H_{10}O$	Isobutyl alcohol	108	C_6H_6	Benzene	80.1
16485	$C_4H_{10}O_2$	2-Ethoxyethanol	135.1	C_6H_{12}	1-Hexene	63.5
16486	$C_4H_{10}O_2$	2-Ethoxyethanol	135.1	C_8H_8	Styrene	145
		"			"	
16487	$C_4H_{10}O_2$	2-Ethoxyethanol	135.1	C_8H_{10}	Ethylbenzene	136.15
16488	$C_5H_4O_2$	2-Furaldehyde	161.7	C_6H_6	Benzene	80.1
16489	$C_5H_4O_2$	2-Furaldehyde	161.7	C_7H_8	Toluene	110.7
16490	$C_5H_4O_2$	2-Furaldehyde	161.7	C_7H_8	Toluene	110.7
16491	$C_5H_4O_2$	2-Furaldehyde	161.7	C_7H_{14}	Methylcyclohexane	101.1
16492	C_5H_5N	Pyridine	115.3	$C_5H_{11}N$	Piperidine	105.8
16493	C_5H_5N	Pyridine	115.5	$C_5H_{12}O$	Isoamyl alcohol	131
16494	C_5H_5N	Pyridine	115.5	C_8H_{10}	Ethylbenzene	136.15
16495	$C_5H_{10}O_2$	Isovaleric acid	176.5	C_7H_6O	Benzaldehyde	179.2
16496	$C_5H_{10}O_2$	Isovaleric acid	176.5	C_7H_6O	Benzaldehyde	179.2
16497	$C_5H_{10}O_2$	Isovaleric acid	176.5	C_7H_7Cl	α-Chlorotoluene	179.35
16498	$C_5H_{10}O_2$	Isovaleric acid	176.5	C_7H_7Cl	α-Chlorotoluene	179.35
16499	$C_5H_{10}O_2$	Isovaleric acid	176.5	C_7H_7Cl	α-Chlorotoluene	179.35
16500	C_6H_5Br	Bromobenzene	156.1	C_6H_6O	Phenol	181.5
16501	C_6H_5Br	Bromobenzene	156.1	$C_6H_{12}O$	Cyclohexanol	160.65
16502	C_6H_5Br	Bromobenzene	156.1	$C_6H_{12}O$	Cyclohexanol	160.65
16503	C_6H_5Br	Bromobenzene	156.1	$C_6H_{13}ClO_2$	Chloroacetal	156.8
16504	C_6H_5ClO	*o*-Chlorophenol	175.5	C_7H_7Br	*o*-Bromotoluene	181.75
16505	$C_6H_5NO_2$	Nitrobenzene	210.85	C_7H_8O	Benzyl alcohol	205.5
16506	C_6H_6	Benzene	80.1	C_6H_7N	Aniline	184.4
16507	C_6H_6	Benzene	80.1	C_6H_{12}	Cyclohexane	80.7
16508	C_6H_6	Benzene	80.1	C_6H_{12}	Cyclohexane	80.75
16508a	C_6H_6	Benzene	80.1	C_6H_{12}	Cyclohexane	80.75
16509	C_6H_6	Benzene	80.1	C_6H_{12}	Methylcyclopentane	
16510	C_6H_6	Benzene	80.1	C_7H_{16}	2,3-Dimethylpentane	89.8
16511	C_6H_6O	Phenol	181.4	C_6H_7N	Aniline	184.4
		"			"	
		"			"	
		"			"	
16512	C_6H_6O	Phenol	182	$C_6H_{10}O$	Cyclohexanone	155.6
16513	C_6H_6O	Phenol	182	$C_6H_{10}O_4$	Ethylene diacetate	186
16514	C_6H_6O	Phenol	181.5	C_7H_7Br	*o*-Bromotoluene	181.75
16514a	C_6H_6O	Phenol	181.4	C_7H_9N	2,4-Lutidine	159

In Azeotropic Data—III; Horsley, L.;
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C-Component			Azeotropic Data					
Formula	Name	B.P., °C.	B.P., °C.	Wt. % A	Wt. % B	Wt. % C		Ref.
$C_8H_{18}O$	Butyl ether	142.1		Nonazeotrope				981
C_7H_8	Toluene	110.7					v-l	331c
C_6H_{12}	Cyclohexane	80.75					v-l	793c
C_5H_{12}	Pentane	36.15		Nonazeotrope				563
C_6H_{12}	Cyclohexane	80.75	76.73	8	42	50		425,1060
C_6H_{12}	Cyclohexane	80.75	77.2	43.2	47.0	9.8	v-l	686f
C_6H_{14}	Hexane	68.74		Nonazeotrope			v-l	933
C_8H_{10}	Ethylbenzene	136.15		Nonazeotrope			v-l	294
	" 5-62 mm			Nonazeotrope			v-l	421
C_8H_{18}	Octane	125.75		Nonazeotrope			v-l	673
C_6H_{12}	Cyclohexane	80.75		Nonazeotrope			v-l	961
C_7H_{14}	Methylcyclohexane	101.1		Nonazeotrope			v-l	317
C_7H_{16}	Heptane	98.4		Nonazeotrope			v-l	317
C_7H_{16}	Heptane	98.4		Nonazeotrope			v-l	317
C_8H_{14}	Diisobutylene	102.5	98.6					240
C_7H_8	Toluene	110.7	110.19	8.6	4.1	87.3		1069
C_9H_{20}	Nonane	150.7		Nonazeotrope				309,1061
C_7H_7Cl	α-Chlorotoluene	179.35		Nonazeotrope				563
$C_{10}H_{16}$	*d*-Limonene	177.8	168.7					563
$C_{10}H_{14}$	Cymene	175.3	167.8?					563
$C_{10}H_{16}$	*d*-Limonene	177.8	168.7?					563
$C_{10}H_{18}O$	Cineole	176.3		Azeotropic ?				563
C_7H_{16}	α-Pinene	155.8	152.6?					563
C_7H_{16}	Camphene	~158	>153.4?					563
$C_{10}H_{16}$	α-Pinene	155.8		Azeotropic ?				563
$C_{10}H_{16}$	α-Pinene	155.8		Nonazeotrope				563
$C_{10}H_{16}$	*d*-Limonene	177.8		Nonazeotrope				563
$C_{11}H_{24}O_2$	Diisoamyloxy-methane	207.5	197?					563
C_6H_{12}	Cyclohexane	80.7		Nonazeotrope			v-l	758
C_6H_{12}	Methylcyclopentane	71.8		Nonazeotrope			v-l	936
$C_6H_{12}O$	4-Methyl-2-pentanone	115.9		Nonazeotrope			v-l	188
C_6H_{14}	Hexane	68.8		Nonazeotrope			v-l	807c
C_6H_{14}	Hexane			Nonazeotrope			v-l	55
$C_{12}F_{27}N$	Perfluorotributylamine			Nonazeotrope			v-l	509
$C_{13}H_{28}$	Tridecane	234	184.45	33.5	48.5	18.0		911
	"	600 mm	175.90	33.9	48.1	18.0		911
	"	500 mm	169.37	33.7	47.0	19.3		911
	"	400 mm	161.71	33.5	46.7	19.8		911
$C_6H_{12}O$	Cyclohexanol	160.65 90 mm		Nonazeotrope			v-l	177
$C_8H_8O_2$	Phenyl acetate	195.7	194.45	26.4	34.4	39.2		721
$C_{10}H_{16}$	*d*-Limonene	177.8		Nonazeotrope				563
$C_{11}H_{24}$	Undecane	194.5	181.78	19.88	21.52	58.60		263i

In Azeotropic Data—III; Horsley, L.;
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A-Component				B-Component		
No.	Formula		B.P., °C.	Formula	Name	B.P., °C.
16515	C_6H_7N	Aniline	184.35	$C_6H_{10}O_4$	Ethyl oxalate	185
16516	C_6H_7N	Aniline	184.35	$C_6H_{10}O_4$	Ethyl oxalate	185
16517	C_6H_7N	Aniline	184.35	$C_6H_{10}O_4$	Ethyl oxalate	185
16518	C_6H_7N	Aniline	184.35	$C_6H_{10}O_4$	Ethyl oxalate	185
16519	C_6H_7N	Aniline	184.35	$C_6H_{12}O$	Cyclohexanol	160.65
16520	C_6H_7N	Aniline	184.35	C_7H_7Br	*o*-Bromotoluene	181.75
16521	C_6H_7N	Aniline	184.35	C_7H_7Br	*o*-Bromotoluene	181.75
16522	C_6H_7N	Aniline	184.35	C_7H_8	Toluene	110
16523	C_6H_7N	Aniline	184.35	C_7H_8	Toluene	110.7
16524	C_6H_7N	Aniline	184.35	C_7H_8O	Benzyl alcohol	205.5
16525	C_6H_7N	Aniline	184.35	$C_8H_{18}O$	*sec*-Octyl alcohol	178.7
16526	$C_6H_{10}O$	Cyclohexanone	156.7	C_7H_8O	Anisole	153.85
16527	$C_6H_{10}O_3$	Ethyl aceto-acetate	180.7	C_7H_7Br	*o*-Bromotoluene	181.75
16528	$C_6H_{10}O_3$	Ethyl aceto-acetate	180.7	C_7H_7Cl	α-Chlorotoluene	179.35
16529	$C_6H_{10}O_3$	Ethyl aceto-acetate	180.7	C_9H_{12}	Mesitylene	164.0
16530	$C_6H_{10}O_4$	Ethyl oxalate	185	C_7H_7Br	*o*-Bromotoluene	181.75
16531	$C_6H_{12}O$	Cyclohexanol	160.65	C_7H_8O	Anisole	153.85
16532	$C_6H_{12}O_3$	Propyl lactate	171.7	C_7H_7Cl	α-Chlorotoluene	179.35
16533	$C_6H_{12}O_3$	Propyl lactate	171.7	$C_8H_{10}O$	Phenetole	171.5
16534	$C_6H_{14}O_2$	2-Butoxyethanol		C_7H_8	Toluene	110.7
16535	$C_6H_{14}O_2$	Hexylene glycol		C_8H_{10}	Ethylbenzene	136.15
16536	C_7H_6O	Benzaldehyde	179.2	C_7H_7Cl	α-Chlorotoluene	179.35
16537	C_7H_6O	Benzaldehyde	179.2	C_7H_7Cl	α-Chlorotoluene	179.35
16538	C_7H_7Cl	α-Chlorotoluene	179.35	C_7H_8O	Benzyl alcohol	
		"			"	
16539	C_7H_7Cl	α-Chlorotoluene		$C_7H_{14}O_3$	Isobutyl lactate	182.15
16540	C_7H_7Cl	α-Chlorotoluene	179.35	$C_7H_{14}O_3$	Isobutyl lactate	182.15
16541	C_7H_7Cl	α-Chlorotoluene	179.35	$C_8H_{18}O$	*sec*-Octyl alcohol	178.7
16542	C_7H_8	Toluene	110.4	C_7H_{14}	Methylcyclohexane	100.8
16543	C_7H_8	Toluene	110.6	C_7H_{14}	3-Heptene	
16544	C_7H_8	Toluene	110.6	C_7H_{16}	Heptane	
16545	C_7H_8O	*x*-Cresol	202	C_7H_9N	Pyridine bases	143
16546	C_7H_8O	*x*-Cresol	202	C_7H_9N	Pyridine bases	157
16547	C_7H_8O	*x*-Cresol	202	C_7H_9N	Pyridine bases	163
16548	C_7H_8O	*m*-Cresol	202.8	$C_8H_{11}N$	2,4,6-Collidine	171
16549	$C_7H_{14}O_3$	Isobutyl lactate	182.15	$C_8H_{18}O$	*sec*-Octyl alcohol	178.7
16550	$C_7H_{14}O_3$	Isobutyl lactate	182.15	$C_8H_{18}O$	*sec*-Octyl alcohol	178.7
16551	C_8H_{10}	Ethylbenzene	136.1	C_9H_{12}	Isopropylbenzene	152.8

In Azeotropic Data—III; Horsley, L.;
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C-Component			Azeotropic Data					
Formula	Name	B.P., °C.	B.P., °C.	Wt. % A	Wt. % B	Wt. % C		Ref.
C_7H_7Br	*o*-Bromotoluene	181.75		Reacts				563
C_7H_7Br	*p*-Bromotoluene	185		Reacts				563
$C_{10}H_{16}$	*d*-Limonene	177.8		Reacts				563
$C_{10}H_{16}$	Terpinene	180.5		Reacts				563
$C_6H_{13}N$	Cyclohexylamine			Nonazeotrope			v-l	704
$C_8H_{18}O$	*sec*-Octyl alcohol	178.7		Nonazeotrope				563
$C_{10}H_{16}$	*d*-Limonene	177.8		Nonazeotrope				563
C_7H_{14}	Methylcyclohexane	101.1 80° to 100°C.		Evaporation data				851
C_7H_{16}	Heptane	98.4		Nonazeotrope			v-l	390
$C_{10}H_{16}$	*d*-Limonene	177.8		Nonazeotrope				563
$C_{10}H_{16}$	*d*-Limonene	177.8		Nonazeotrope				563
$C_{10}H_{16}$	*a*-Pinene	155.8		Nonazeotrope ?				563
$C_{10}H_{16}$	*d*-Limonene	177.8		Nonazeotrope				563
$C_{10}H_{16}$	*d*-Limonene	177.8	168.8?					563
$C_{10}H_{16}$	Nopinene	163.8		Nonazeotrope				563
$C_{10}H_{16}$	*d*-Limonene	177.8		Nonazeotrope				563
$C_{10}H_{16}$	α-Pinene	155.8		Nonazeotrope				563
$C_{10}H_{16}$	*d*-Limonene	177.8		Nonazeotrope				563
$C_{10}H_{18}$	Menthene	170.8	163.0	31	33	36		563
C_7H_{16}	Heptane	90°					v-l	1022
C_8H_{16}	Ethylcyclohexane	131.8 400 mm		Nonazeotrope			v-l	771
$C_{10}H_{16}$	*d*-Limonene	177.8		Nonazeotrope				563
$C_{10}H_{16}$	Terpinene	180.5		Nonazeotrope				563
$C_9H_{10}O_2$	Benzyl acetate	15 mm		Nonazeotrope			v-l	496
	" "	760 mm		Nonazeotrope			v-l	496
$C_{10}H_{16}$	*d*-Limonene	177.8	172.5					563
$C_{10}H_{16}$	Terpinene	180.5		Azeotrope doubtful				563
$C_{10}H_{16}$	*d*-Limonene	177.8		Azeotropic ?				563
C_7H_{16}	*n*-Heptane	98.4		Liquid-vapor equilibrium				84
C_7H_{16}	Heptane	98.4		Nonazeotrope			v-l	1016
C_8H_{10}	*p*-Xylene	90°C		Nonazeotrope			v-l	1022
$C_{10}H_8$	Naphthalene	218.1	202.81	81	9	10		1065
$C_{10}H_8$	Naphthalene	218.1	202.03	65.5	16.5	18		1065
$C_{10}H_8$	Naphthalene	218.1	202.39	62	17	21		1065
$C_{10}H_8$	Naphthalene	217.9	205.8	61.5	20.8	17.7	v-l	506
$C_{10}H_{16}$	*d*-Limonene	177.8		Reacts				563
$C_{10}H_{16}$	Terpinene	180.5		Nonazeotrope				563
$C_{10}H_{14}$	Butylbenzene	183.1		Nonazeotrope			v-l	586

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Table III. Quaternary

		Formula	Name	B.P., °C
16551a	A	CHN	Hydrocyanic acid	26
	B	H_2O	Water	100
	C	C_3H_3N	Acrylonitrile	77.3
	D	C_3H_4O	Acrolein	52.4
16551b	A	CHN	Hydrocyanic acid	26
	B	C_2H_3N	Acetonitrile	81.6
	C	C_3H_3N	Acrylonitrile	77.3
	D	C_3H_4O	Acrolein	52.4
16551c	A	H_2O	Water	100
	B	CH_2O_2	Formic acid	100.8
	C	$C_2H_4O_2$	Acetic acid	118.1
	D	$C_4H_8O_2$	Butyric acid	162.4
16552	A	H_2O	Water	100.0
	B	CH_3NO_2	Nitromethane	101.2
	C	C_2Cl_4	Tetrachloroethylene	120.8
	D	C_3H_8O	Propyl alcohol	97.2
16553	A	H_2O	Water	100.0
	B	CH_3NO_2	Nitromethane	101.2
	C	C_2Cl_4	Tetrachloroethylene	120.8
	D	C_8H_{18}	*n*-Octane	125.75
16554	A	H_2O	Water	100.0
	B	CH_3NO_2	Nitromethane	101.2
	C	C_3H_8O	Propyl alcohol	97.2
	D	C_8H_{18}	*n*-Octane	125.75
16555	A	H_2O	Water	100.0
	B	C_2Cl_4	Tetrachloroethylene	120.8
	C	C_3H_8O	Propyl alcohol	97.2
	D	C_8H_{18}	*n*-Octane	125.75
16556	A	H_2O	Water	100
	B	C_2H_3N	Acetonitrile	81.6
	C	C_2H_6O	Ethyl alcohol	78.3
	D	$C_6H_{15}N$	Triethylamine	89.7
16557	A	H_2O	Water	100
	B	C_2H_6O	Ethyl alcohol	78.3
	C	C_4H_6O	Crotonaldehyde	102.2
	D	$C_4H_8O_2$	Ethyl acetate	77.1

In Azeotropic Data—III; Horsley, L.;
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Azeotropic Data						
	Azeotropic Composition					
B.P., °C	A	B	C	D	E	Ref.
	Nonazeotrope				v-1	905f, 905m
	Nonazeotrope				v-1	905f, 905m
	Nonazeotrope				v-1	507c
76.88	7.38	20.65	59.45	12.52	—	611
77.06	9.86	34.40	32.60	23.14	—	611
76.34	9.98	41.00	12.42	36.60	—	611
80.98	—	—	—	—	—	611
	Nonazeotrope					981
70	8.7	11.1	0.1	80.1	—	227

In Azeotropic Data—III; Horsley, L.;
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		Formula	Name	B.P.,°C
16558	A	H_2O	Water	100
	B	C_2H_6O	Ethyl alcohol	78.3
	C	C_6H_6	Benzene	80.1
	D	C_6H_{12}	Cyclohexane	80.75
16559	A	H_2O	Water	100
	B	C_2H_6O	Ethyl alcohol	78.3
	C	C_6H_6	Benzene	80.1
	D	C_6H_{14}	Hexane	68.95
16560	A	H_2O	Water	100
	B	C_2H_6O	Ethyl alcohol	78.3
	C	C_6H_6	Benzene	80.1
	D	C_7H_{14}	Methylcyclohexane	100.88
16561	A	H_2O	Water	100
	B	C_2H_6O	Ethyl alcohol	78.3
	C	C_6H_6	Benzene	80.1
	D	C_7H_{16}	Heptane	98.4
16562	A	H_2O	Water	100
	B	C_2H_6O	Ethyl alcohol	78.3
	C	C_6H_6	Benzene	80.1
	D	C_8H_{18}	Iso-octane	
16563	A	H_2O	Water	100
	B	C_4H_9Cl	1-Chlorobutane	78.44
	C	$C_4H_{10}O$	Butyl alcohol	117.73
	D	$C_8H_{18}O$	Butyl ether	
16563a	A	$CHCl_3$	Chloroform	61.2
	B	CH_4O	Methanol	64.6
	C	$C_3H_6O_2$	Methyl acetate	56.9
	D	C_6H_6	Benzene	80.1
16564	A	$C_2H_4O_2$	Acetic acid	118.1
	B	C_5H_5N	Pyridine	115
	C	C_8H_{10}	Ethylbenzene	136.4
	D	C_9H_{20}	Nonane	150.8
16565	A	$C_2H_4O_2$	Acetic acid	118.1
	B	C_5H_5N	Pyridine	115
	C	C_8H_{10}	*p*-Xylene	138.4
	D	C_9H_{20}	Nonane	150.8

In Azeotropic Data—III; Horsley, L.;
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Azeotropic Data						
	Azeotropic Composition					
B.P.,°C	A	B	C	D	E	Ref.
62.19	7.1	17.4	21.5	54.0	——	1054
62.14	6.1	19.2	20.4	54.3	——	942, 1059
	Nonazeotrope					949
	Nonazeotrope					949
64.79	6.8	18.7	62.4	12.1	——	948
64.69	6.7	17.7	61.4	14.1	——	948
	Nonazeotrope					806
	Nonazeotrope				v-1	406a
27.9	17	27	18	38	——	309
	Nonazeotrope					307

		Formula	Name	B.P.,°C
16565a	A	C_3H_6O	Acetone	56.1
	B	C_3H_8O	Isopropyl alcohol	82.3
	C	C_6H_6	Benzene	80.1
	D	C_7H_8	Toluene	110.7
16565b	A	C_3H_6O	Acetone	56.1
	B	C_6H_6	Benzene	80.1
	C	C_6H_{12}	Cyclohexane	80.9
	D	C_7H_8	Toluene	110.7
16565c	A	C_3H_8O	Isopropyl alcohol	82.3
	B	C_4H_8O	2-Butanone	79.6
	C	C_6H_6	Benzene	80.1
	D	C_6H_{12}	Cyclohexane	80.9
16566	**A**	**H_2O**	**Water**	**100**
	B	**CH_3NO_2**	**Nitromethane**	**101.2**
	C	**C_2Cl_4**	**Tetrachloroethylene**	**120.8**
	D	**C_3H_8O**	**Propyl alcohol**	**97.2**
	E	**C_8H_{18}**	***n*-Octane**	**125.75**
16566a	A	$CHCl_3$	Chloroform	61.2
	B	CH_4O	Methanol	64.6
	C	C_3H_6O	Acetone	56.15
	D	$C_3H_6O_2$	Methyl acetate	56.9
	E	C_6H_6	Benzene	80.1

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Azeotropic Data							
	Azeotropic Composition						
B.P., °C	A	B	C	D	E		Ref.
	Nonazeotrope					v-1	996f
	Nonazeotrope					v-1	996c
	Nonazeotrope					v-1	597a
76.5	9.45	37.30	21.15	10.58	21.52		611
						v-1	406a

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Formula Index

In Azeotropic Data—III; Horsley, L.;
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Formula	Name and System No.
ClH	Hydrochloric acid. B.p. −80 37, 78, 94, 97-104, 15827, 15831-15833, 6b, 15831a
$ClHO_4$	Perchloric acid. B.p. 110 105
Cl_2	Chlorine. B.p. −37.6 79, 97, 106-108
Cl_2Cu	Cupric chloride. 109, 110
Cl_2OSe	Selenyl chloride. B.p. 179 4b, 110a
Cl_2O_2S	Sulfuryl chloride. B.p. 69.1 111-115
Cl_2Pb	Lead chloride. B.p. 954 4, 109, 116
Cl_2S_2	Sulfur monochloride. B.p. 138 116a
Cl_2Zn	Zinc chloride. B.p. 732 110, 116
Cl_3Fe	Ferric chloride. B.p. 315 116b, 116c
Cl_3HSi	Trichlorosilane. B.p. 32 117-124, 116b, 116d
Cl_3OP	Phosphorus oxychloride. B.p. 107.2 111, 125-126, 15834, 116d, 126a, 126b
Cl_3OV	Vanadium oxychloride. B.p. 126.5 125, 15834, 126c-127e
Cl_3P	Phosphorus trichloride. B.p. 76 117, 128-134, 4c, 125a
Cl_3Sb	Antimony trichloride. B.p. 220 5, 135, 136
Cl_4Ge	Germanium chloride. 6, 98, 126c, 136a-136g
Cl_4Si	Silicon tetrachloride. B.p. 56.9 128, 137-152, 116c, 136a, 152b, 15834a, 15834b
Cl_4Sn	Tin tetrachloride. B.p. 113.85 153-165, 6a, 110a, 126e
Cl_4Ti	Titanium tetrachloride. B.p. 136 126, 127, 137, 153, 166-170, 15834
Cl_4V	Vanadium tetrachloride. B.p. 153 127a
Cl_5Ta	Tantalum pentachloride. B.p. 242 4a
Cu	Copper. B.p. 2310 171, 172
DH	Deuterium hydride. 173, 174
D_2	Deuterium. B.p. −249.7 173, 175
D_2O	Deuterium oxide. 176
FH	Hydrofluoric acid. B.p. 19.54 44, 46, 51, 69, 95, 106, 117-186, 15830, 15835-15839
FHO_3S	Fluorosulfuric acid. 15835

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Formula	Name and System No.
NO	Nitric oxide. B.p. −153.6 984
NO_2	Nitrogen peroxide. B.p. 26 984
N_2	Nitrogen. B.p. −195 83, 985-987, 15826, 15829, 1a, 984a
N_2O	Nitrous oxide. B.p. −90.7 84, 988, 984a
N_2O_5	Nitrogen pentoxide. 201
Ne	Neon. B.p. −245.9 195, 985, 982a
O_2	Oxygen. B.p. −183 2, 85, 986, 15826
O_2S	Sulfur dioxide. B.p. −10 50, 86, 100, 108, 180, 202, 989-1007, 15839, 15844, 988a, 16247a, 16247b
O_3S	Sulfur trioxide. B.p. 47 203, 15841, 988a
$O_{10}P_4$	Phosphorus pentoxide. 204
Pb	Lead. B.p. 1525 171, 1008
S	Sulfur. B.p. 444.6 1009, 1009a
Se	Selenium. B.p. 688 1009, 1010
Sn	Tin. B.p. 2275 172, 1008
Te	Tellurium 1010, 1009a
Xe	Xenon. B.p. −109 1010a
CCl_2F_2	Trichlorodifluoromethane. B.p. −29.8 181, 1011-1018, 15839
CCl_3F	Trichlorofluoromethane. B.p. 24.9 1019-1021
CCl_3NO_2	Trichloronitromethane. B.p. 111.9 1022-1084
CCl_4	Carbon tetrachloride. B.p. 76.75 55, 112, 118, 138, 154, 166, 205, 1085-1168, 15845-15852, 16248-16262, 127b, 136b, 1168a-1168c, 15851a, 16254a
CF_4	Carbon tetrafluoride. B.p. −128 1168d, 1168e
CS_2	Carbon disulfide. B.p. 46.2 87, 167, 206, 1085, 1169-1278, 15853-15857, 16263-16280
$CHBrCl_2$	Bromodichloromethane. B.p. 90.1 1022, 1279-1337, 15858-15861
$CHBr_3$	Bromoform. B.p. 149.5 1338-1418
$CHClF_2$	Chlorodifluoromethane. B.p. −40.8 182, 1011, 1419-1424
$CHCl_2F$	Dichlorofluoromethane. 1425

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Formula	Name and System No.
$C_2Br_2Cl_2$	1,2-Dibromodichloroethylene. B.p. 172 2147, 2148
$C_2Br_2F_4$	1,2-Dibromotetrafluoroethane. 56
C_2ClF_5	Chloropentafluoroethane. B.p. −38.5 1419, 2149
$C_2Cl_2F_4$	1,2-Dichlorotetrafluoroethane. 1425, 2150, 188b, 1534a
$C_2Cl_3F_3$	1,1,2-Trichlorotrifluoroethane. B.p. 47.6 57, 216, 1545, 1913, 2151-2153, 15895, 15917, 15839a
C_2Cl_3N	Trichloroacetonitrile. 2154
C_2Cl_4	Tetrachloroethylene. B.p. 121.1 217, 1027, 1091, 1431, 1535, 1605, 1754, 1914, 2155-2228, 15876, 15918, 15919, 16310, 16340-16347, 16552, 16553, 16555, 16566
$C_2Cl_4F_2$	1,1,1,2-Tetrachlorodifluoroethane. B.p. 91.6 58
$C_2Cl_4F_2$	1,1,2,2-Tetrachlorodifluoroethane. B.p. 92.4 2151
C_2Cl_4O	Trichloroacetyl chloride. B.p. 118 168
C_2Cl_6	Hexachloroethane. B.p. 184.8 113, 1176, 2229-2269
$C_2F_4N_2O_4$	1,1,2,2-Tetrafluorodinitroethane. 1092
C_2F_6	Hexafluoroethane. B.p. −78 2270, 15840
$C_2HBrClF_3$	2-Bromo-2-chloro-1,1,1-trifluoroethane. 2271
C_2HBrCl_2	*cis*-1-Bromo-1,2-dichloroethylene. B.p. 113.8 2272
C_2HBrCl_2	*trans*-1-Bromo-1,2-dichloroethylene. 2273
C_2HBrCl_2	1-Bromo-2,2-dichloroethylene. B.p. 107 2274
C_2HBr_2Cl	1,2-Dibromo-1-chloroethylene. B.p. 140 2275, 2276
C_2HBr_3O	Bromal. B.p. 174 2277
C_2HClF_2	Chlorodifluoroethylene. 2278
C_2HClF_4	Chlorotetrafluoroethane. B.p. −10 2279
C_2HCl_3	Trichloroethylene. B.p. 86.2 218, 1093, 1283, 1606, 1755, 1915, 2280-2335, 15920-15926, 16250, 16348
$C_2HCl_3F_2$	1,2,2-Trichloro-1,1-difluoroethane. B.p. 71.1 59
C_2HCl_3O	Chloral. B.p. 97.75 219, 1284, 1756, 2155, 2336-2370
$C_2HCl_3O_2$	Trichloroacetic acid. B.p. 196 2229, 2371-2394
C_2HCl_5	Pentachloroethane. B.p. 162.0 220, 1607, 2371, 2395-2486
$C_2HF_3O_2$	Trifluoroacetic acid. 183, 221, 2486a

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Formula	Name and System No.
$C_2H_3Cl_3O_2$	Chloral hydrate. B.p. 97.5 1094, 1432, 2753-2756
$C_2H_3F_3O$	2,2,2-Trifluoroethanol. 2757
C_2H_3N	Acetonitrile. B.p. 81.6 13, 143, 226, 1095, 1433, 1546, 1757, 1925, 2154, 2280, 2758-2816, 15845, 15854, 15864, 15918, 15920, 15929-15943, 16352-16355, 16556, 1609a, 15828a, 16551b
C_2H_3NO	Hydroxyacetonitrile (Glycolonitrile). 2817
C_2H_3NO	Methylisocyanate. B.p. 37.9 1095a, 2817a-2817d, 1433a
C_2H_3NS	Methyl thiocyanate. B.p. 132.5 2818
C_2H_4	Ethylene. B.p. −103.9 90, 982, 990, 2487, 2819, 16349, 195a, 2639a
C_2H_4BrCl	1-Bromo-2-chloroethane. B.p. 106.7 1926, 2820-2831
$C_2H_4Br_2$	1,1-Dibromoethane. B.p. 109.5 1927, 2832-2856, 136e
$C_2H_4Br_2$	1,2-Dibromoethane. B.p. 131.5 1096, 1342, 1610, 1928, 2644, 2857-2931, 16251, 16356-16359, 136f
$C_2H_4Cl_2$	1,1-Dichloroethane. B.p. 57.4 144, 1097, 1178, 1434, 1611, 1929, 2730, 2932-2959
$C_2H_4Cl_2$	1,2-Dichloroethane. B.p. 83.45 70, 115, 145, 227, 1098, 1435, 1612, 1881, 1930, 2281, 2336, 2640, 2729, 2731, 2758, 2857, 2932, 2960-3010, 15871, 15944-15946, 16360, 2817a
$C_2H_4Cl_2O$	Bis(chloromethyl) ether. B.p. 105 228, 1179, 3011-3020
$C_2H_4Cl_2O$	2,2-Dichloroethanol. B.p. 146.2 1343, 2157, 2530, 3021-3045
$C_2H_4F_2$	1,1-Difluoroethane. B.p. −24.7 1014, 2149
C_2H_4O	Acetaldehyde. B.p. 20.2 229, 1019, 1547, 1714, 1931, 3046-3066, 15844, 15947, 15948, 16361, 15947a
C_2H_4O	Ethylene oxide. B.p. 10 230, 1932, 2960, 3046, 3067-3082
C_2H_4OS	Thioacetic acid. B.p. 89.5 3083-3085
$C_2H_4O_2$	Acetic acid. B.p. 118.1 14, 231, 1028, 1099, 1180, 1285, 1344, 1436, 1506, 1576, 1613, 1758, 1933, 2158, 2282, 2397, 2495, 2531, 2732, 2820, 2832, 2858, 2961, 3086-3240, 15865, 15872, 15948-15953, 16282, 16340, 16356, 16361-16382, 16564, 16565, 2758a, 16551a
$C_2H_4O_2$	Methyl formate. B.p. 31.9 15, 74, 232, 1020, 1181, 1437, 1548, 1715, 1727, 1934, 2128, 2373, 2521, 2606, 2645, 3047, 3067, 3241-3286, 16264, 16272-16274, 16309, 16383-16390
C_2H_4S	Ethylene sulfide. B.p. 55.7 1759, 1935, 3241, 3287-3296
C_2H_5Br	Bromoethane. B.p. 38.4 233, 1100, 1182, 1438, 1549, 1614, 1882, 1936, 3048, 3242, 3287, 3297-3331, 15954, 16266, 16272, 16320, 16321, 16383-16386

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Formula	Name and System No.
C_2H_6S	Ethanethiol. B.p. 36.2 1552, 1765, 1946, 3247, 3301, 3492, 4475-4487, 16387
C_2H_6S	Methyl sulfide. B.p. 37.4 1190, 1619, 1766, 1947, 3091, 3248, 3302, 3491, 3844, 3951, 4775, 4488-4508
$C_2H_6S_2$	Methyl disulfide. B.p. 109.44 4530-4537
C_2H_7N	Dimethylamine. B.p. 7.3 246, 961, 2135, 4538-4547, 16021
C_2H_7N	Ethylamine. B.p. 16.55 247, 962, 4548-4556
C_2H_7NO	2-Aminoethanol. B.p. 170.8 248, 1348, 1578, 1767, 3564, 4185, 4557-4634
$C_2H_7O_3P$	Dimethyl phosphite. 4635
$C_2H_8N_2$	1,1-Dimethylhydrazine. 249, 981, 15843
$C_2H_8N_2$	Ethylenediamine. B.p. 116 250, 4636-4649, 16022
$C_3Cl_3F_5$	1,2,2-Trichloropentafluoropropane. B.p. 72.5 61
C_3F_6	Hexafluoropropene. 1016, 1421, 2278
C_3F_6O	Hexafluoroacetone. 15839a
C_3F_7I	Heptafluoro-1-iodopropane. 4649a
C_3F_8	Perfluoropropane. 1422
$C_3HF_5O_2$	Pentafluoropropionic acid. 251, 4650
C_3HF_7	Heptafluoropropane. 1017
$C_3H_2ClF_3O_2$	3-Chloro-2,2,3-trifluoropropionic acid. 4651
$C_3H_2F_4O_2$	2,2,3,3-Tetrafluoropropionic acid. 4652
$C_3H_2F_6O$	1,1,1,3,3,3-Hexafluoro-2-propanol. 251a, 4652a
$C_3H_3ClF_3NO$	3-Chloro-2,2,3-trifluoropropionamide. 4653
$C_3H_3Cl_3O_2$	Methyl trichloroacetate. B.p. 152.8 4654-4660
$C_3H_3F_4NO$	2,2,3,3-Tetrafluoropropionamide. 4661
C_3H_3N	Acrylonitrile. B.p. 77.3 76, 146, 252, 1106, 1948, 2761, 4662-4667, 15931, 15965, 16023, 3951a, 15828b, 16022a, 16022b, 16551a, 16551b
C_3H_3NS	Thiazole. B.p. 111.5 253
C_3H_4	Propadiene. B.p. −32 963, 4668-4671, 16417-16419
C_3H_4	Propyne. B.p. −23 964, 2489, 4668, 4672-4674, 16417-16419

Formula	Name and System No.
C_3H_5ClO	α-Chloropropionaldehyde. B.p. 86 261
C_3H_5ClO	Epichlorohydrin. B.p. 116.45 155, 262, 1031, 1624, 1957, 2166, 2823, 3094, 3960, 4839-4895, 16340-16345, 16362, 16420-16422
$C_3H_5ClO_2$	Methyl chloroacetate. B.p. 131.4 263, 1349, 1958, 2167, 2537, 2865, 3095, 3376, 4896-4947, 15897
$C_3H_5Cl_3$	1,1,3-Trichloropropane. B.p. 148 4948, 4949
$C_3H_5Cl_3$	1,2,2-Trichloropropane. B.p. 122 4950-4955
$C_3H_5Cl_3$	1,2,3-Trichloropropane. B.p. 156.85 2647, 3096, 3566, 4187, 4839, 4956-4994, 16423
C_3H_5F	2-Fluoropropene. B.p. −24 965
C_3H_5I	3-Iodopropene. B.p. 102.0 264, 1032, 1625, 1769, 1959, 2339, 3097, 3377, 3900, 3961, 4188, 4995-5023, 15969, 16027, 16028, 16424-16426
C_3H_5N	Propionitrile. B.p. 97 147, 265, 1960, 3962, 4663, 5024-5046, 16023
C_3H_5NO	Hydracrylonitrile. B.p. 229.7 266
$C_3H_5N_3O_9$	Nitroglycerin. 5047
C_3H_6	Cyclopropane. B.p. −31.5 966
C_3H_6	Propene. B.p. −48 967, 993, 4669, 4672, 4685, 5048, 16417, 93a, 983a, 1010a, 1168e, 1910a
$C_3H_6Br_2$	1,2-Dibromopropane. B.p. 141 2866, 3098, 3332, 3378, 3549, 3567, 4189, 4840, 4896, 5049-5088
$C_3H_6Br_2$	1,3-Dibromopropane. B.p. 166.9 3021, 3099, 3379, 3568, 4190, 5089-5132
$C_3H_6Br_2O$	2,3-Dibromo-1-propanol. B.p. 219.5 5133-5152
$C_3H_6Cl_2$	1,1-Dichloropropane. B.p. 90 5153, 5154
$C_3H_6Cl_2$	1,2-Dichloropropane. B.p. 97 267, 1961, 2288, 2965, 3963, 5155-5162, 16029
$C_3H_6Cl_2$	1,3-Dichloropropane. B.p. 129.8 1033, 5163-5165
$C_3H_6Cl_2$	2,2-Dichloropropane. B.p. 70.4 1626, 1962, 3011, 3100, 3901, 3964, 5166-5182
$C_3H_6Cl_2O$	1,3-Dichloro-2-propanol. B.p. 175.8 1350, 2403, 2538, 3569, 4191, 5183-5256, 16427-16430
$C_3H_6Cl_2O$	2,3-Dichloro-1-propanol. B.p. 183.8 268, 4192, 5257-5306, 16431
C_3H_6O	Acetone. B.p. 56.1 269, 1108, 1194, 1292, 1443, 1553, 1627, 1729, 1770, 1963, 2153, 2168, 2289, 2505 2514, 2641, 2736, 2762, 2935, 2966, 3051, 3251, 3289, 3303, 3495, 3521, 3943, 3965, 4476, 4488, 4548, 4557, 4686, 4721, 4794, 5047, 5307-5397, 15848, 15856, 15867, 15932, 15970, 16030-16039, 16267, 16277, 16281, 16283, 16288, 16289, 16295-16300, 16306, 16322, 16324-16328, 16360, 16432-16439, 993a, 16247a, 16431a, 16431b, 16565a, 16565b, 16566a

Formula	Name and System No.
C_3H_7ClO	1-Chloro-2-propanol. B.p. 127 282, 1036, 1295, 1353, 1513, 1776, 2171, 2292, 2540, 2869, 2969, 3861, 4193, 5797-5821, 5837, 16029
C_3H_7ClO	2-Chloro-1-propanol. B.p. 133.7 283, 1777, 2172, 2293, 2870, 5822-5836
$C_3H_7ClO_2$	Chloromethoxymethoxymethane. B.p. 95 5838-5842
$C_3H_7ClO_2$	1-Chloro-2,3-propanediol. B.p. 213 5843-5847
C_3H_7I	1-Iodopropane. B.p. 102.4 1037, 1633, 1778, 1973, 2341, 3022, 3106, 3380, 3570, 3905, 3975, 4843, 4998, 5562, 5670, 5848-5870, 16057
C_3H_7I	2-Iodopropane. B.p. 89.45 1296, 1634, 1779, 1974, 2294, 2342, 3107, 3381, 3906, 3976, 5024, 5315, 5671, 5871-5891
C_3H_7N	Allylamine. B.p. 52.9 284
C_3H_7NO	Acetoxime. B.p. 135.8 5892
C_3H_7NO	Dimethylformamide. B.p. 153 285, 1635, 2765, 3254, 4651, 4652, 4653, 4661, 5893, 5894, 16443
C_3H_7NO	Propionamide. B.p. 222.1 286, 1354, 1975, 2173, 2234, 2405, 2541, 2871, 3382, 3571, 4194, 4558, 5050, 5090 5257, 5895-6090
$C_3H_7NO_2$	Ethyl carbamate. B.p. 185.25 1355, 1580, 2174, 2406, 2542, 2872, 3572, 4195, 4559, 4957, 5091, 5183, 5257, 5895, 6091-6233
$C_3H_7NO_2$	Isopropyl nitrite. B.p. 40.1 287, 1205, 1451, 1559, 1717, 1733, 2610, 3054, 3255, 3291, 3309, 3367, 4491, 4788, 4799, 5316, 5456, 5488, 5514, 5772, 5788, 6234-6249
$C_3H_7NO_2$	1-Nitropropane. B.p. 130.5 289, 1113, 1976, 2873, 3977, 6250-6269, 16058
$C_3H_7NO_2$	2-Nitropropane. B.p. 120 290, 1114, 1977, 3978, 6270-6293, 15973, 16059
$C_3H_7NO_2$	Propyl nitrite. B.p. 47.75 288, 1206, 1452, 1560, 2941, 3256, 3310, 3501, 4478, 4492, 4800, 5317, 5457, 5489, 5515, 5752, 5773, 5789, 6234, 6294-6303
$C_3H_7NO_3$	Propyl nitrate. B.p. 110.5 291, 1780, 2175, 2838, 3108, 3862, 3979, 6235, 6304-6326
C_3H_8	Propane. B.p. −44 956, 968, 994, 1423, 1911, 1978, 2766, 4670, 4673, 5048, 5318, 6327, 6328, 16319, 16418
C_3H_8O	Ethyl methyl ether. B.p. 10.8 23, 1207
C_3H_8O	Isopropyl alcohol. B.p. 82.3 292, 1038, 1115, 1208, 1297, 1453, 1514, 1561, 1734, 1781, 1890, 2176, 2295, 2767, 2839, 2874, 2942, 2970, 3311, 3527, 3847, 3863, 3907, 3944, 3980, 4493, 4664, 4726, 4801, 4809, 4844, 4899, 4999, 5025, 5156, 5169, 5319, 5401, 5473, 5490, 5516, 5672, 5723, 5753, 5774, 5790, 5848, 5871, 6250, 6270, 6304, 6329-6434, 15860, 15878, 15900, 15924, 15946, 16030, 16060-16080, 16255, 16279, 16304, 16433, 1978a, 16057a, 16255a, 16325a, 16433a, 16433b, 16443a-16446a, 16565a, 16565c

Formula	Name and System No.
C_4F_8	Perfluorocyclobutane. B.p. −4 1018, 1424, 2279
$C_4HF_7O_2$	Perfluorobutyric acid. B.p. 122.0 302, 6864-6866, 15838
C_4H_2	Diacetylene. 971
$C_4H_2O_3$	Maleic anhydride. 6867, 6868, 6869, 6867a
C_4H_4	1-Butene-3-yne. B.p. 5.0 972, 2137, 6845, 6870, 6871, 16451a, 16451b
$C_4H_4Cl_2$	2,3-Dichloro-1,3-butadiene. B.p. 98 1983
$C_4H_4N_2$	Pyrazine. B.p. 118 303, 1984, 3986, 6538, 6872
$C_4H_4N_2$	Pyridazine. B.p. 207.2 6873-6882
C_4H_4O	1-Butyne-3-one. B.p. 85 304
C_4H_4O	Furan. B.p. 31.7 305, 1212, 1563, 1985, 3258, 3368, 3849, 4550, 4789, 6237, 6883, 6884
$C_4H_4O_2$	Diketene. 5325, 6885
C_4H_4S	Thiophene. B.p. 84 306, 1119, 1638, 1892, 1986, 2298, 2973, 3530, 3909, 3987, 5326, 5727, 6330, 6788, 6886-6910
C_4H_5Cl	2-Chloro-1,3-butadiene. 4666, 6870, 6911-6912
$C_4H_5ClO_2$	α-Chlorocrotonic acid. B.p. 212.5 6913, 6914
$C_4H_5Cl_3$	2,3,4-Trichloro-1-butene. 6914a
$C_4H_5Cl_3O$	α,α,β-Trichlorobutyraldehyde. B.p. 164 4958
$C_4H_5Cl_3O_2$	Ethyl trichloroacetate. B.p. 167.2 6915-6920
C_4H_5N	3-Butenenitrile. B.p. 118.9 307
C_4H_5N	*cis, trans*-Crotononitrile. B.p. 107.5-120.5 308
C_4H_5N	Methacrylonitrile. 309
C_4H_5N	Pyrrole. B.p. 129.8 310, 2179, 2747, 2841, 2877, 3014, 4197, 4846, 5053, 6539, 6648, 6921-6951
C_4H_5NS	Allyl isothiocyanate. B.p. 152.05 1213, 1987, 3575, 4198, 5896, 6649, 6952-6962
C_4H_6	1,3-Butadiene. B.p. −4.5 973, 1718, 1748, 2138, 2642, 3055, 3069, 3988, 4539, 4671, 4674, 6846, 16339, 16419, 1119a, 1213a, 1783a, 6962a-6967a, 16451a, 16451c, 16451d
C_4H_6	1-Butyne. B.p. 7 974, 6968, 6969, 6962a, 16451c
C_4H_6ClN	2-Chloro-2-methylpropionitrile. B.p. 116 311
$C_4H_6Cl_2$	1,3-Dichloro-2-butene. 6911, 6970, 6914a

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Formula	Name and System No.
$C_4H_7BrO_2$	Ethyl bromoacetate. B.p. 158.2 1359, 2408, 2546, 3577, 4200, 5054, 5092, 5566, 5898, 7123-7173, 16458-16460
C_4H_7Cl	*cis*-1-Chloro-1-butene. B.p. 63.4 3999
C_4H_7Cl	*trans*-1-Chloro-1-butene. B.p. 68 3998
C_4H_7Cl	2-Chloro-1-butene. B.p. 58.4 4000
C_4H_7Cl	*cis*-2-Chloro-2-butene. B.p. 62.4 4002
C_4H_7Cl	*trans*-2-Chloro-2-butene. B.p. 66.6 4001
C_4H_7Cl	1-Chloro-2-methyl-1-propene. B.p. 68.1 327, 5329
C_4H_7ClO	α-3-Chloro-2-butene-1-ol. B.p. 164 328
C_4H_7ClO	β-3-Chloro-2-butene-1-ol. B.p. 166 329
C_4H_7ClO	2-Chloroethyl vinyl ether. B.p. 108 330, 3384, 7174, 7175
$C_4H_7ClO_2$	4-Chloromethyl-1,3-dioxolane. B.p. 66/40mm 331
$C_4H_7ClO_2$	Ethyl chloroacetate. B.p. 143.5 332, 1360, 2409, 2547, 2878, 3334, 3385, 3578, 4003, 4201, 4960, 5403, 5567, 6440, 6540, 7052, 7176-7223, 15976, 16461, 16462, 15834a, 16307a
$C_4H_7Cl_3O$	Ethyl 1,1,2-trichloroethyl ether. B.p. 172.5 1361, 5093, 6093, 7225-7238
$C_4H_7Cl_3O$	1,1,1-Trichloro-*tert*-butanol. 7224
C_4H_7N	Butyronitrile. B.p. 118 333, 6441, 7239-7245
C_4H_7N	Isobutyronitrile. B.p. 103 334, 4004, 5002, 6334, 6442, 7246-7251
C_4H_7N	Pyrroline. B.p. 90.9 1215, 1992, 6443, 6886, 7252
C_4H_7NO	2-Hydroxyisobutyronitrile. 335, 4635, 7253-7255
C_4H_8	1-Butene. B.p. −6 975, 995, 1719, 1749, 2139, 2643, 3070, 3259, 4540, 6847, 6963, 16244, 16339, 7255a-7256b
C_4H_8	2-Butene. B.p. 1–3.7 997, 998, 2140, 2141, 3071, 3072, 3260, 3261, 4541, 4542, 6848, 6849, 6871, 6964, 6968, 6969, 7255a, 7256c-7256e, 16451a
C_4H_8	2-Methylpropene. B.p. −6 976, 996, 1750, 2131, 2142, 3073, 3262, 4543, 6850, 7256, 16245, 7256c, 7256f
$C_4H_8Br_2O$	Bis(2-bromoethyl) ether. 4202, 6650
$C_4H_8Cl_2O$	Bis(2-chloroethyl) ether. B.p. 178.65 336, 1362, 2976, 3386, 3580, 4203, 4560, 4714, 5094, 5899, 6094, 7257-7303, 15955, 118a, 148a, 1724a, 3948a, 6835a, 15834b, 16307b
$C_4H_8Cl_2O$	1,2-Dichloroethyl ethyl ether. B.p. 145.5 1363, 2818, 3116, 3579, 6444, 6952, 7304-7332

Formula	Name and System No.
$C_4H_8O_2$	Ethoxyacetaldehyde. B.p. 105 351
$C_4H_8O_2$	Ethyl acetate. B.p. 77.05 28, 352, 1125, 1220, 1301, 1466, 1737, 1787, 1999, 2302, 2753, 2770, 2980, 3120, 3315, 3506, 3533, 4012, 4730, 5028, 5171, 5334, 5407, 5676, 5731, 6760, 5779, 6274, 6338, 6448, 6818, 6889, 7345, 7514, 7557-7594, 15903, 15933, 15956, 15980, 16253, 16259, 16276, 16279, 16286, 16323, 16333, 16364, 16366, 16391, 16393, 16397, 16398, 16444, 16463, 16471, 16472, 16557, 5521a, 6964a, 16431b, 16433c
$C_4H_8O_2$	2-Hydroxybutyraldehyde. 353
$C_4H_8O_2$	Isobutyric acid. B.p. 154.35 354, 1042, 1221, 1365, 1582, 2182, 2411, 2549, 2880, 4656, 4743, 4962, 5056, 5096, 6916, 6972, 7026, 7054, 7124, 7177, 7515, 7595-7667, 16130, 16473, 16474, 15872c
$C_4H_8O_2$	Isopropyl formate. B.p. 68.8 355, 1126, 1222, 1467, 2000, 3507, 3534, 5335, 5522, 5732, 6819, 7346, 7557, 7668-7673, 16303
$C_4H_8O_2$	3-Methoxypropionaldehyde. 356
$C_4H_8O_2$	2-Methyl-1,3-dioxolane. B.p. 82.5 357
$C_4H_8O_2$	Methyl propionate. B.p. 79.85 358, 1127, 1223, 1302, 1468, 1788, 2001, 2303, 2771, 3535, 4013, 5029, 5172, 5408, 5733, 5875, 6339, 6449, 6890, 7347, 7558 7674-7694, 15904, 16049, 16257, 16313, 16394
$C_4H_8O_2$	Propyl formate. B.p. 80.9 359, 1128, 1224, 1303, 1469, 1789, 2002, 2304, 2344, 2772, 2981, 3121, 3536, 4014, 4731, 5030, 5173, 5409, 5734, 5876, 6340, 6450, 6891, 7348, 7389, 7559, 7674, 7695-7723, 16083, 16464, 1642a
$C_4H_8O_2$	2-Vinyloxyethanol. B.p. 143 360, 4207
$C_4H_8O_2S$	Sulfolane. 16475
$C_4H_8O_3$	Ethylene glycol monoacetate. B.p. 190.9 3581, 4208, 5900, 7055, 7258, 7724-7771
$C_4H_8O_3$	Methyl lactate. B.p. 144.8 361, 1366, 2183, 2412, 2550, 2881, 4902, 4963, 6542, 7125, 7178, 7772-7829, 16461
$C_4H_8O_3$	Propylene glycol monoformate. 7830
C_4H_8S	Thiophane. B.p. 118.8 1043, 1643, 2003, 3122, 3388, 4847, 6308, 6341, 6451, 7831-7848
C_4H_9Br	1-Bromobutane. B.p. 101.5 1044, 1516, 1644, 1790, 2004, 2345, 2773, 3023, 3123, 3335, 3389, 3866, 3912, 4015, 4209, 4744, 4848, 5410, 5571, 5677, 6309, 6452, 7516, 7849-7878, 6341a
C_4H_9Br	2-Bromobutane. B.p. 91.2 1304, 2005, 3124, 3913, 4016, 5678, 6342, 6453, 7349, 7675, 7695, 7879-7887
C_4H_9Br	1-Bromo-2-methylpropane. B.p. 91.4 1305, 1645, 1791, 2006, 2346, 2774, 3125, 3336, 3390, 3867, 3914, 4017, 4210, 5031, 5411, 5679, 6310, 6343, 6454, 6983, 7350, 7517, 7560, 7676, 7696, 7879, 7888-7916, 15981, 361a

Formula	Name and System No.
$C_4H_9NO_3$	Isobutyl nitrate. B.p. 122.9 371, 2185, 3134, 5574, 6545, 7994, 8028, 8080-8099
$C_4H_9NO_3$	2-Methyl-2-nitro-1-propanol. 8100
C_4H_{10}	Butane. B.p. −0.5 184, 977, 999, 1720, 1751, 2132, 2143, 2150, 3058, 3074, 3265, 3369, 3850, 3946, 4545, 5343, 6851, 6965, 8101, 16246, 7256a, 7256d, 8100a, 16451b, 16451c, 16451d
C_4H_{10}	2-Methylpropane. B.p. −10 185, 978, 1000, 1722, 1752, 2133, 2144, 3075, 3266, 4544, 6327, 6852, 15905, 16247, 7256b, 7256e, 7256f, 8100a, 16451b, 16451d
$C_4H_{10}O$	Butyl alcohol. B.p. 117.75 29, 372, 1046, 1133, 1233, 1307, 1368, 1797, 2015, 2148, 2186, 2276, 2306, 2497, 2502, 2551, 2843, 2884, 2984, 3135, 3393, 3538, 3584, 3869, 3918, 4026, 4213, 4638, 4734, 4745, 4810, 4852, 4905, 5004, 5032, 5057, 5176, 5344, 5682, 5738, 5799, 5853, 5877, 6252, 6275, 6313, 6546, 6857, 6922, 6973, 7004, 7008, 7126, 7180, 7240, 7259, 7304, 7357, 7391, 7401, 7408, 7519, 7681, 7702, 7774, 7850, 7880, 7890, 7930, 7959, 7995, 8029, 8080, 8102-8215, 16131, 16134-16151, 16260, 16397, 16465, 16471, 16476, 16478-16482, 16569, 15982a, 16409a, 16481a, 16481b, 16482a
$C_4H_{10}O$	*sec*-Butyl alcohol. B.p. 99.4 373, 1047, 1134, 1308, 1472, 1798, 2187, 2307, 2885, 2985, 3316, 3870, 3919, 4027, 4811, 4853, 4906, 5415, 5683, 5762, 5878, 6253, 6276, 6463, 6547, 7305, 7358, 7409, 7520, 7568, 7596, 7682, 7703, 7851, 7881, 7891, 7931, 7960, 8102, 8216-8255, 16110, 16130, 16134, 16152-16169, 15851a
$C_4H_{10}O$	*tert*-Butyl alcohol. B.p. 82.5 374, 1048, 1135, 1235, 1309, 1473, 1799, 1897, 2188, 2308, 2951, 2986, 3871, 3920, 4028, 4497, 4735, 4803, 4854, 5345, 5684, 5739, 5763, 5781, 5879, 6254, 6277, 6350, 6827, 7359, 7521, 7569, 7683, 7704, 7852, 7892, 7919, 7932, 7961, 7976, 7996, 8256-8287, 15852, 16111, 16133, 16152, 16170-16174, 2015a, 3538a, 8102a, 15905a, 15982b, 16169a, 16482b
$C_4H_{10}O$	Ethyl ether. B.p. 34.5 30, 39, 186, 375, 1136, 1234, 1474, 1566, 1652, 1738, 1898, 2016, 2271, 2374, 2522, 2650, 2778, 2987, 3059, 3136, 3267, 3293, 3317, 3511, 3851, 4029, 4480, 4498, 4551, 4790, 4804, 5346, 5460, 5496, 5527, 5782, 6239, 6297, 6351, 6464, 6840, 6966, 7418, 7597, 8104, 8288-8305, 15983, 16388, 16389, 16483, 4649a
$C_4H_{10}O$	Isobutyl alcohol. B.p. 107.1 376, 1049, 1137, 1236, 1310, 1369, 1475, 1518, 1800, 2189, 2309, 2349, 2552, 2740, 2779, 2825, 2844, 2886, 2988, 3394, 3539, 3872, 3921, 3947, 4639, 4736, 4746, 4812, 4855, 4907, 5005, 5033, 5058, 5177, 5347, 5685, 5740, 5800, 5854, 5880, 6255, 6278, 6314, 6465, 6548, 6858, 6923, 7005, 7127, 7181, 7241, 7360, 7392, 7402, 7410, 7522, 7570, 7705, 7853, 7882, 7893, 7920, 7933, 7962, 7997, 8030, 8081, 8103, 1256, 8306-8392, 15861, 15906, 15926, 16123, 16128, 16175-16190, 16343, 16392, 16422, 16469, 16484, 4029a, 15982c, 16484a
$C_4H_{10}O$	Methyl propyl ether. B.p. 38.9 377, 1237, 1476, 1567, 1739, 2017, 3268, 3318, 3852, 4030, 4499, 4552, 5348, 5783, 6240, 6633, 8288, 8393-8396
$C_4H_{10}O_2$	Acetaldehyde dimethyl acetal. B.p. 64.3 380, 1238, 1311, 1478, 2018, 3540, 4031, 4737, 5497, 5529, 5741, 5764, 6466, 7393, 7934, 7963, 8072, 8397-8400, 15907, 16124
$C_4H_{10}O_2$	*levo*-2,3-Butanediol. B.p. 183 378, 8401

Formula	Name and System No.
$C_4H_{11}NO_2$	2,2′-Iminodiethanol. B.p. 268 392, 3586, 4554, 4562, 8731-8735
$C_4H_{11}O_3P$	Diethyl phosphite. 2752, 2817, 7224, 7253, 8258, 8736-8739
$C_4H_{12}Ge$	Tetramethylgermane. B.p. 43.5 8289a
$C_4H_{12}N_2$	Tetramethylhydrazine. 393
$C_4H_{12}Si$	Tetramethylsilane. B.p. 26.64 1740
$C_4H_{12}OSi$	Methoxytrimethylsilane. B.p. 57 2023
$C_4H_{12}O_4Si$	Tetramethoxysilane. B.p. 121.8 8740
$C_5Cl_2F_6$	1,2-Dichlorohexafluorocyclopentene. B.p. 90.6 6861, 8741
C_5F_{10}	Perfluorocyclopentane. 189, 8742, 8743
$C_5F_{11}IO$	Heptafluoroisopropyl 2-iodo-tetrafluoroethyl ether. B.p. 86 279a
C_5F_{12}	Perfluoropentane. 3, 188, 190, 8742
$C_5H_4F_8O$	2,2,3,3,4,4,5,5-Octafluoro-1-pentanol. 8744, 8745
$C_5H_4O_2$	2-Furaldehyde. B.p. 161.45 394, 1140, 1371, 1480, 2191, 2237, 2414, 2554, 2888, 3060, 3138, 3398, 3587, 4214, 4964, 5060, 5097, 5185, 5576, 6097, 6549, 6953, 6974, 7056, 7225, 7261, 7306, 7419, 7574, 7598, 7724, 7999, 8406, 8746-8829, 15950, 16452, 16488-16491
C_5H_5N	Pyridine. B.p. 115.5 31, 156, 395, 1051, 1141, 1536, 1654, 1804, 2024, 2192, 2741, 2889, 3139, 3399, 4038, 4215, 4856, 4950, 5353, 5417, 5577, 6469, 6550, 7013, 7420, 7524, 7831, 8000, 8032, 8109, 8217, 8307, 8407, 8614, 8643, 8830-8872, 15833, 15873, 16195-16212, 16363, 16367-16374, 16410, 16442, 16468, 16479, 16492-16494, 16564, 16565, 1480a, 2779b
C_5H_6	Cyclopentadiene. B.p. 41.0 3269, 5354, 8872a
$C_5H_6N_2$	2-Methylpyrazine. B.p. 133 396
C_5H_6O	2-Methylfuran. B.p. 63.7 397, 1240, 2025, 4039, 5459, 5531, 7364, 15909, 16034
$C_5H_6O_2$	Furfuryl alcohol. B.p. 169.35 398, 1584, 2193, 2555, 3338, 3400, 3588, 5098, 5903, 6098, 8746, 8873-8894
C_5H_6S	2-Methylthiophene. B.p. 111.92 4530, 8895-8898
C_5H_6S	3-Methylthiophene. B.p. 114.96 8899-8905
C_5H_7CI	Chloroprene. B.p. 59.4 6967
C_5H_7ClO	2-Chloroallyl vinyl ether. 4808
C_5H_7N	3-Methyl-3-butenenitrile. B.p. 137 399

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Formula	Name and System No.
$C_5H_8O_3$	Levulinic acid. B.p. 252 3589, 5904, 8975-8997
$C_5H_8O_3$	Methyl acetoacetate. B.p. 169.5 2415, 2556, 7226, 7262, 7601, 8747, 8998-9041
$C_5H_8O_4$	Methylene diacetate. B.p. 164 3140a, 7015, 16363a
$C_5H_8O_4$	Methyl malonate. B.p. 181.5 2238, 2416, 5099, 6099, 9042-9105
$C_5H_8O_4$	Propylene glycol diformate. 9106
$C_5H_9ClO_2$	Propyl chloroacetate. B.p. 162.3 416, 1372, 2417, 2557, 3590, 4216, 5581, 5905, 6471, 7422, 8112, 8309, 9107-9128, 16085
C_5H_9N	Isovaleronitrile. B.p. 130.5 2195, 6552, 8002, 9129-9131
C_5H_9N	Valeronitrile. B.p. 141.3 2890, 6553, 8113, 8411, 9132-9144
C_5H_9NO	α-Hydroxyvaleronitrile. 8736
C_5H_9NO	*N*-Methyl-2-pyrrolidone. B.p. 251 7002, 416a, 8917a
C_5H_{10}	Amylenes. 2146, 2782, 2783, 5465, 9145, 9146, 15936, 6837b
C_5H_{10}	Cyclopentane. B.p. 49.3 1242, 1568, 1655, 1741, 1810, 1900, 2034, 2781, 2953, 3141, 3274, 3322, 3512, 3853, 3923, 4043, 4482, 4501, 4805, 5359, 5463, 5499, 5533, 5785, 5792, 6242, 6298, 6354, 6637, 6791, 6808, 6841, 7670, 7708, 7964, 7977, 8073, 8259, 8292, 8310, 8719, 8910, 9147-9153, 16390
C_5H_{10}	2-Methyl-1-butene. B.p. 32 1001, 1807, 2035, 3076, 3275, 4044, 4503, 5360, 5464, 5793, 8911, 9154
C_5H_{10}	3-Methyl-1-butene. B.p. 21.2 1002, 1244, 1657, 1743, 1809, 2037, 2612, 3077, 3276, 3370, 3854, 4045, 4484, 4504, 4547, 4555, 4791, 5362, 6244, 6356, 6638, 6883, 8294, 8913, 9158
C_5H_{10}	2-Methyl-2-butene. B.p. 37.7 1003, 1243, 1481, 1569, 1656, 1742, 1808, 2036, 2784, 3078, 3277, 3323, 3513, 3855, 4046, 4483, 4502, 5361, 5500, 5534, 5794, 6243, 6355, 6639, 6792, 6842, 8114, 8260, 8293, 8395, 8709, 8912, 8917, 9147, 9155-9157, 16271, 16273, 16280, 16314, 16316, 16320, 16331, 16334, 16353, 16355, 16384, 16387, 16388, 16435, 16451, 16483
C_5H_{10}	1-Pentene. B.p. 30.2 1004, 2038, 2785, 3079, 3278, 5363, 5535, 6640
C_5H_{10}	2-Pentene. B.p. 35.8 1005, 2039, 2040, 2786, 3080, 3279, 5364, 5466, 6641
$C_5H_{10}Cl_2O_2$	Bis(2-chloroethoxy)methane. B.p. 218.1 417
$C_5H_{10}N_2$	3-Dimethylaminopropionitrile. B.p. 174.5 418
$C_5H_{10}O$	Allyl ethyl ether. B.p. 63 4047, 16063, 16153
$C_5H_{10}O$	1-Butenyl methyl ether. B.p. 72-76 419, 420, 15988

Formula	Name and System No.
$C_5H_{10}O$	Cyclopentanol. B.p. 140.85 421, 1245, 1811, 2196, 3339, 3401, 4813, 4910, 6554, 6927, 6954, 7184, 7263, 7307, 7777, 8003, 8083, 8412, 8936, 9159-9184
$C_5H_{10}O$	Isopropenyl methyl ether. B.p. 61.9 422
$C_5H_{10}O$	Isopropyl vinyl ether. B.p. 55.7 423, 4048, 6357
$C_5H_{10}O$	Isovaleraldehyde. B.p. 92.5 424, 1052, 1142, 2212, 2990, 3142, 3924, 7365, 7575, 7685, 7936, 8311, 8645, 9185-9188, 16175
$C_5H_{10}O$	3-Methyl-2-butanone. B.p. 95.4 426, 1143, 1246, 1313, 1520, 1658, 1812, 2041, 2313, 2991, 4050, 5420, 5688, 5856, 6358, 6472, 6898, 7525, 7895, 7937, 7985, 8061, 8115, 8312, 8646, 8710, 8720 9189-9198
$C_5H_{10}O$	3-Methyl-2-buten-1-ol. B.p. 140 424a, 9198f
$C_5H_{10}O$	3-Methyl-3-buten-1-ol. B.p. 130 424b, 9198g, 16213c
$C_5H_{10}O$	2-Methyl-3-buten-2-ol. B.p. 97 424c, 1481a, 1143a, 2991a, 7574a, 8260a, 9198a-9198g, 15868a, 16169b, 16213a
$C_5H_{10}O$	2-Pentanone. B.p. 102.35 427, 1247, 1314, 1521, 1659, 1813, 2826, 4049, 5006, 5160, 5421, 5857, 6359 6473, 6985, 7855, 7896, 8116, 8313, 8830, 9199-9213, 16214
$C_5H_{10}O$	3-Pentanone. B.p. 102 428, 1053, 1248, 1315, 1522, 1660, 1814, 2042, 2314, 2350, 2827, 2845, 3143, 3873, 4858, 5007, 5422, 5839, 5858, 6360, 6474, 6986, 7833, 7856, 7883, 7897, 7986, 8117, 8218, 8261, 8314, 8647, 8831, 9185, 9199, 9214-9240, 15880, 16086, 16176, 16311, 16317, 16424-16426, 16447
$C_5H_{10}O$	Propyl vinyl ether. B.p. 65.1 429, 4051, 15989
$C_5H_{10}O$	Tetrahydropyran. B.p. 88 430
$C_5H_{10}O$	Valeraldehyde. B.p. 103.3 431, 432
$C_5H_{10}OS$	2-Methylthioethyl vinyl ether. 6537
$C_5H_{10}O_2$	Butyl formate. B.p. 106.6 433, 1316, 1815, 2043, 2351, 3144, 4814, 5008, 6361, 6475, 7857, 7898, 8033, 8118, 8219, 8315, 8832, 9200, 9214, 9241-9257, 16137, 1660a
$C_5H_{10}O_2$	4,5-Dimethyl-1,3-dioxolane. 434
$C_5H_{10}O_2$	3-Ethoxy-1,2-epoxypropane. B.p. 124 435
$C_5H_{10}O_2$	Ethyl propionate. B.p. 99.15 32, 436, 1054, 1249, 1317, 1816, 2044, 2315, 2352, 2491, 2787, 3145, 4052, 5009, 5034, 5161, 5423, 6476, 6987, 7576, 7858, 7899, 8119, 8220, 8316, 9189, 9201, 9215, 9258-9274
$C_5H_{10}O_2$	3-Hydroxy-3-methyl-2-butanone. B.p. 141 437
$C_5H_{10}O_2$	Isobutyl formate. B.p. 98.3 438, 1144, 1250, 1318, 1661, 1817, 2045, 2316, 2353, 3146, 3402, 4053, 5010, 5424, 5689, 5881, 6362, 6477, 7526, 7834, 7859, 7900, 8120, 8221, 8262, 8317, 9202, 9216, 9258, 9275-9289, 16177

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Formula	Name and System No.
$C_5H_{10}O_2$	Isopropyl acetate. B.p. 90.8 439, 1145, 1251, 1319, 1523, 1818, 2046, 2317, 2354, 2788, 2992, 3147, 4054, 5011, 5153, 5365, 5690, 5743, 5859, 5882, 6363, 7016, 7366, 7527, 7860, 7901, 7938, 8062, 8121, 8318, 9190, 9290-9303, 15990, 16036, 16064, 16433, 16445
$C_5H_{10}O_2$	Isovaleric acid. B.p. 176.5 440, 1252, 1373, 1585, 2197, 2239, 2277, 2418, 2558, 2651, 2891, 3591, 4509, 4965, 5061, 5100, 7129, 8004, 8748, 9042, 9107, 9304-9385, 16495-16499, 15873a
$C_5H_{10}O_2$	3-Methoxybutyraldehyde. B.p. 131 441
$C_5H_{10}O_2$	Methyl butyrate. B.p. 102.65 442, 1055, 1320, 1819, 2047, 2355, 2846, 3148, 3403, 4055, 4815, 4859, 5012, 5035, 5425, 5860, 6364, 6478, 6988, 7029, 7528, 7861, 7902, 8034, 8122, 8222, 8319, 8648, 9203, 9217, 9241, 9259, 9386-9399
$C_5H_{10}O_2$	Methyl isobutyrate. B.p. 92.3 443, 1146, 1321, 1524, 1820, 2048, 2318, 2356, 3149, 3541, 4056, 5013 5426, 5691, 5861, 5883, 6365, 6479, 7862, 7884, 7903, 8123, 8223, 8263, 8320, 8649, 9186, 9191, 9204, 9218, 9275, 9290, 9400-9412
$C_5H_{10}O_2$	Propyl acetate. B.p. 101.6 33, 444, 1056, 1253, 1322, 1525, 1821, 2049, 2357, 2492, 2742, 2754, 2789, 2847, 3150, 3404, 3874, 4057, 4816, 4860, 5014, 5036, 5366, 5427, 5862, 6366, 6480, 7030, 7529, 7835, 7863, 7904, 8035, 8124, 8224, 8264, 8321, 8413, 8650, 9205, 9219, 9242, 9260, 9276, 9386, 9413-9428, 15937, 16087, 16317, 16425, 16447
$C_5H_{10}O_2$	Tetrahydrofurfuryl alcohol. 445, 9429, 7406a
$C_5H_{10}O_2$	Valeric acid. B.p. 186.35 446, 447, 1374, 2240, 2419, 2559, 2652, 3151, 4510, 5062, 5101, 6917, 8998, 9043, 9430-9485, 1661a, 15873b
$C_5H_{10}O_2$	1-Vinyloxy-2-propanol 448
$C_5H_{10}O_2$	3-Vinyloxypropanol. 449, 6651, 6679
$C_5H_{10}O_3$	Butylene glycol monoformate. 9509.
$C_5H_{10}O_3$	β-Ethoxypropionic acid. B.p. 219.2 450
$C_5H_{10}O_3$	α-Methoxybutyric acid. 451
$C_5H_{10}O_3$	Ethyl carbonate. B.p. 126.5 452, 2198, 2560, 2892, 3340, 3405, 3592, 4217, 4861, 4911, 4952, 5582, 6928, 8005, 8036, 8084, 8125, 8322, 8833, 8919, 9159, 9486-9508, 16346
$C_5H_{10}O_3$	Ethyl lactate. B.p. 153.9 2420, 2561, 4657, 4966, 6975, 7057, 7130, 7185, 7308, 8414, 8749, 9160, 9510-9562
$C_5H_{10}O_3$	2-Methoxyethyl acetate. B.p. 144.6 453, 2199, 2421, 2562, 2893, 3152, 3341, 3406, 4218, 4698, 4747, 4862, 4912, 5163, 5583, 6100, 6555, 7058, 7131, 7186, 7309, 7423, 7602, 7778, 8006, 8037, 8085, 8126, 8323, 8415, 8750, 9161, 9486, 9510, 9563-9617, 2049a
$C_5H_{10}O_3$	Methoxymethyl propionate. 454

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Formula	Name and System No.
$C_5H_{12}N_2O$	Tetramethylurea. B.p. 176.5 9746
$C_5H_{12}O$	Amyl alcohol. B.p. 137.8 464, 1257, 2056, 2201, 2894, 3343, 3410, 3595, 3876, 4063, 4817, 4864, 4915, 6256, 6280, 6560, 6930, 7411, 7781, 8007, 8087, 8419, 8836, 9132, 9490, 9566, 9618, 9747-9774, 16215-16219, 1147a, 9746a
$C_5H_{12}O$	Active amyl alcohol. B.p. 128.5 8744, 8921, 9775-9788
$C_5H_{12}O$	*tert*-Amyl alcohol. B.p. 102.25 465, 1059, 1148, 1258, 1324, 1827, 2202, 2320, 2793, 2849, 2895, 2994, 3542, 3877, 3926, 4818, 4865, 4916, 5017, 5037, 5369, 5744, 5865, 5885, 6316, 6561, 6931, 7247, 7310, 7412, 7534, 7865, 7906, 7940, 7965, 8229, 8737, 8837, 9207, 9223, 9244, 9262, 9279, 9388, 9402, 9415, 9415, 9567, 9619, 9645, 9739, 9789-9810, 16220-16222
$C_5H_{12}O$	Butyl methyl ether. B.p. 71 2057, 4064, 15991, 16065, 16154
$C_5H_{12}O$	*tert*-Butyl methyl ether. B.p. 55 466, 2059, 6643a, 8268a, 8915a, 9198a, 15909b, 16169d, 16212a, 16213a
$C_5H_{12}O$	Ethyl isopropyl ether. B.p. 54 16066, 16155
$C_5H_{12}O$	Ethyl propyl ether. B.p. 63.6 467, 1259, 1483, 1667, 1902, 2058, 2954, 3514, 4065, 5370, 5503, 5745, 5765, 6301, 6371, 6485, 6794, 7953, 7966, 8077, 8712, 9149, 9811-9815, 16067, 16156
$C_5H_{12}O$	Isoamyl alcohol. B.p. 132.05 468, 1060, 1149, 1260, 1377, 1527, 1586, 1828, 2203, 2321, 2423, 2565, 2850, 2896, 2995, 3344, 3411, 3543, 3596, 3878, 4066, 4221, 4749, 4819, 4866, 4917, 4968, 5018, 5064, 5746, 5803, 5908, 6104, 6317, 6486, 6562, 6933, 6999, 7134, 7175, 7189, 7264, 7311, 7782, 7866, 7907, 8008, 8039, 8088, 8328, 8420, 8651, 8745, 8838, 8906, 8922, 8937, 9109, 9224, 9245, 9491, 9513, 9568, 9620, 9646, 9658, 9775, 9816-9901, 15992, 16223-16229, 16344, 16346, 16358, 16359, 16493, 3156a, 9746a, 16374a
$C_5H_{12}O$	Isobutyl methyl ether. B.p. 59 16068, 16157
$C_5H_{12}O$	2-Methyl-1-butanol. B.p. 128.9 8923, 9902-9905
$C_5H_{12}O$	3-Methyl-2-butanol. B.p. 112.9 469, 1061, 1261, 1325, 1829, 2322, 2996, 4867, 5886, 7867, 7908, 9906-9913
$C_5H_{12}O$	2-Pentanol. B.p. 119.3 470, 1062, 1150, 1262, 1830, 2204, 2323, 2897, 3412, 3597, 3927, 4820, 4868, 4918, 5693, 6318, 6563, 6932, 7190, 7535, 7783, 7909, 8009, 8089, 8130, 8421, 8924, 9133, 9225, 9246, 9569, 9621, 9914-9940
$C_5H_{12}O$	3-Pentanol. B.p. 115.4 471, 1063, 1151, 1263, 1831, 2324, 2794, 2997, 3413, 4869, 4919, 5864, 6564, 7413, 7536, 7868, 7910, 7941, 8131, 8839, 9226, 9247, 9263, 9389, 9416, 9941-9950
$C_5H_{12}O_2$	Diethoxymethane. B.p. 87.5 472, 1264, 1326, 1528, 2060, 2325, 2998, 3157, 3928, 4067, 5371, 5429, 5694, 5887, 6372, 6487, 6900, 7367, 7577, 7686, 7710, 7837, 7942, 8063, 8329, 8652, 9194, 9280, 9293, 9403, 9647, 9696, 9789, 9951-9957, 15993, 16088
$C_5H_{12}O_2$	2,2-Dimethoxypropane. B.p. 80 2061, 4068

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Formula	Name and System No.
$C_6H_4Br_2$	*p*-Dibromobenzene. B.p. 220.25 2615, 2656, 3601, 4226, 5912, 6107, 6681, 8514, 10168-10244
$C_6H_4ClNO_2$	*m*-Chloronitrobenzene. B.p. 235.5 3602, 4227, 5913, 6682, 8515, 10168, 10245-10269
$C_6H_4ClNO_2$	*o*-Chloronitrobenzene. B.p. 246.0 3603, 4228, 5914, 6683, 8516, 10270-10288
$C_6H_4ClNO_2$	*p*-Chloronitrobenzene. B.p. 239.1 3604, 4229, 5915, 6684, 8517, 8975, 10169, 10289-10318
$C_6H_4Cl_2$	*c*-Dichlorobenzene. B.p. 179.5 2616, 2657, 3416, 3605, 4230, 4566, 5134, 5190, 5260, 5589, 5916, 6108, 7060, 7227, 7260, 7429, 7726, 8755, 8999, 9044, 9308, 9431, 10319-10366
$C_6H_4Cl_2$	*p*-Dichlorobenzene. B.p. 174.4 1588, 1668, 2376, 2617, 2658, 3028, 3158, 3417, 3606, 4231, 4511, 4567, 4757, 5191, 5261, 5590, 5917, 6109, 7061, 7136, 7228, 7267, 7430, 7606, 7727, 8756, 8874, 9000, 9045, 9309, 9432, 9515, 9694, 9958, 10367-10432
C_6H_5Br	Bromobenzene. B.p. 156.1 1379, 1589, 1669, 2377, 2425, 2567, 2618, 2659, 2899, 3029, 3159, 3418, 3551, 3607, 4232, 4512, 4568, 4699, 4969, 5192, 5262, 5591, 5805, 5824, 5918, 6110, 6488, 6935, 7032, 7062, 7137, 7137, 7192, 7229, 7268, 7313, 7431, 7607, 7785, 8132, 8330, 8422, 8757, 8938, 8947, 9001, 9046, 9310, 9433, 9516, 9571, 9712, 9818, 9959, 10319, 10433-10481, 16453, 16454, 16458, 16473, 16500-16503
C_6H_5BrO	*o*-Bromophenol. B.p. 194.8 3608, 5919, 7269, 10367, 10482-10507
C_6H_5Cl	Chlorobenzene. B.p. 131.8 484, 1152, 1380, 1484, 1670, 1833, 2063, 2660, 2755, 2900, 3030, 3160, 3345, 3419, 3609, 4070, 4233, 4569, 4700, 4870, 4920, 5372, 5430, 5592, 5806, 5825, 5920, 6111, 6257, 6373, 6489, 6566, 6853, 6936, 7033, 7193, 7314, 7432, 7578, 7608, 7786, 8091, 8133, 8230, 8331, 8423, 8758, 8840, 8875, 8925, 8939, 8948, 9164, 9311, 9492, 9517, 9572, 9747, 9776, 9790, 9819, 9914, 9960, 10433, 10508-10539, 15828, 15831, 15994, 16356-16358, 16437, 2794a, 2817b
C_6H_5ClO	*o*-Chlorophenol. B.p. 176.8 1381, 2426, 2568, 3610, 4234, 7270, 7433, 9312, 9660, 10320, 10368, 10434, 10540-10574, 16504, 484a, 15831a
C_6H_5ClO	*p*-Chlorophenol. B.p. 219.75 3611, 4235, 5921, 6652, 10170, 10575-10643
$C_6H_5Cl_3Si$	Phenyltrichlorosilane. B.p. 201.0 10644, 10645
C_6H_5F	Fluorobenzene. B.p. 84.9 1671, 1903, 2064, 3161, 3420, 3929, 4071, 5373, 6374, 6490, 6829, 7368, 7579, 7711, 8064, 8134, 8269, 8332, 10646-10650
C_6H_5FO	*o*-Fluorophenol. 9777, 9820
C_6H_5I	Iodobenzene. B.p. 188.55 2378, 2619, 2661, 3612, 4236, 4513, 4570, 4758, 5135, 5193, 5263, 5922, 6112, 7271, 7434, 7609, 7728, 8424, 8759, 8940, 9002, 9047, 9313, 9434, 9961, 10540, 10646, 10651-10701
$C_6H_5NO_2$	Nitrobenzene. B.p. 210.85 485, 1153, 1382, 1485, 1746, 1834, 2065, 2379, 2427, 2523, 2569, 2620, 2662, 2901, 3162, 3613, 3880, 4072, 4237, 4571, 4767, 5843, 5923, 6113, 6685, 6913, 7729, 7869, 7943, 7954, 8135, 8231, 8297, 8518, 8976, 9145, 9738, 9740, 10023, 10110, 10171, 10321, 10435, 10508, 10575, 10651, 10702-10787, 16505

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Formula	Name and System No.
C_6H_7N	4-Picoline. B.p. 145.3 491, 1676, 3167, 5596, 6938, 10544, 10886, 11255, 11256
C_6H_8	1,3-Cyclohexadiene. B.p. 80.8 493, 1156, 1266, 1487, 1677, 2067, 3168, 3931, 4076, 5376, 5432, 5538, 6376, 6492, 6831, 7371, 7581, 7968, 8140, 8271, 8334, 8675, 9792, 9827, 10851, 11257, 11258, 15911, 15996, 16042, 16070, 16090, 16171, 16179, 16197, 16338
C_6H_8	1,4-Cyclohexadiene. B.p. 85.6 492, 1157, 2068, 3169, 4077, 6377, 8676, 10852, 15997
C_6H_8ClN	Aniline hydrochloride. 11259
$C_6H_8N_2$	2-Amino-3-methylpyridine. B.p. 221 11260, 11261
$C_6H_8N_2$	2,5-Dimethylpyrazine. B.p. 154 494
$C_6H_8N_2$	2-Ethylpyrazine. 495
$C_6H_8N_2$	*o*-Phenylenediamine. B.p. 258.6 3619, 4245, 5929, 11262-11281
$C_6H_8N_2$	Phenylhydrazine. B.p. 243 496
C_6H_8O	2,5-Dimethylfuran. B.p. 93.3 497, 2069, 7372, 9295
C_6H_8O	2,4-Hexadienal. B.p. 171 498
$C_6H_8O_2$	1,3-Butadienyl acetate. B.p. 138.5 499
$C_6H_8O_2$	Vinyl crotonate. B.p. 132.7 500
$C_6H_8O_4$	Methyl fumarate. B.p. 193.25 501, 2664, 5930, 6116, 7731, 8522, 9315, 10026, 10324, 10577, 10654, 10887, 11282-11314
$C_6H_8O_4$	Methyl maleate. B.p. 204.05 2665, 3620, 4246, 5931, 6117, 6688, 8523, 10578, 10705, 10789, 10888, 11282, 11315-11348
C_6H_9N	1-Ethylpyrrol. B.p. 130.4 4247, 8141, 9828
$C_6H_9N_3$	3,3′-Iminodipropionitrile. 502
C_6H_{10}	Biallyl. B.p. 60.2 1488, 1678, 1837, 2070, 2955, 3282, 3327, 3516, 4078, 5377, 5505, 5539, 6247, 6378, 6645, 6796, 7979, 8299, 8713, 9151, 9811, 11349, 15912, 15998
C_6H_{10}	Cyclohexene. B.p. 82.75 503, 1065, 1158, 1267, 1328, 1489, 1679, 1836, 2071, 2327, 2905, 3000, 3170, 3424, 4079, 4248, 5433, 5540, 6379, 6493, 6902, 7373, 7436, 7538, 7582, 7688, 7713, 7969, 8142, 8233, 8272, 8335, 8427, 8677, 9793, 9829, 9907, 9917, 10853, 11257, 11350-11355, 15913, 15999, 16043, 16071, 16091, 16139, 16172, 16180, 16198, 16336
C_6H_{10}	2,3-Dimethyl-1,3-butadiene. B.p. 68.9 2072
C_6H_{10}	2-Ethyl-1,3-butadiene. B.p. 66.9 504

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Formula	Name and System No.
$C_6H_{10}O_3$	Ethyl acetoacetate. B.p. 180.4 2243, 2431, 4972, 7230, 7273, 7438, 7582a, 9317, 9436, 10114, 10146, 10325, 10372, 10439, 10655, 10890, 11408-11468, 16527-16529
$C_6H_{10}O_4$	Butylene glycol diformate. 11469
$C_6H_{10}O_4$	Ethylidene diacetate. B.p. 168.5 1387, 1590, 2244, 3426, 3622, 4250, 5932, 6119, 7138, 7439, 9050, 9318 9574, 9964, 10027, 10326, 10440, 10891, 11470-11501
$C_6H_{10}O_4$	Ethyl oxalate. B.p. 185.65 2245, 2432, 2667, 3623, 4251, 4515, 5107, 5196, 5267, 5933, 6120, 6689, 7274, 7732, 9005, 9051, 9319, 9437, 10327, 10373, 10441, 10579, 10656, 10893, 11145, 11283, 11408, 11502-11564, 16515-16518, 16530
$C_6H_{10}O_4$	Glycol diacetate. B.p. 186.3 516, 3624, 4252, 5934, 6690, 9052, 9320, 9438, 10028, 10657, 10892, 11284, 11565-11589, 16513
$C_6H_{10}O_4$	Methyl succinate. B.p. 195.5 2246, 2666, 4253, 6121, 10147, 10580, 10658, 10894, 11315, 11502, 11590-11629
$C_6H_{10}S$	Allyl sulfide. B.p. 139.35 1388, 1680, 1838, 2207, 2574, 3172, 3348, 3427, 3625, 4576, 4751, 4821, 4922, 5067, 5599, 5892, 6122, 6571, 6940, 7035, 7196, 7414, 7440, 7870, 8144, 8336, 8845, 9170, 9321, 9494, 9624, 9649, 9751, 9831, 9965, 10442, 10514, 11245, 11251, 11380, 11630-11642
$C_6H_{11}BrO_2$	Ethyl α-bromoisobutyrate. B.p. 178 2433, 7441, 9053, 11643-11646
$C_6H_{11}ClO_2$	Butyl chloroacetate. B.p. 181.9 517, 4254, 5935, 8145, 9832, 10659, 11647, 11654, 16140
$C_6H_{11}ClO_2$	Isobutyl chloroacetate. B.p. 174.4 518, 2434, 8337, 10443, 10660, 11655-11644, 16181
$C_6H_{11}N$	Capronitrile. B.p. 163.9 8429, 9171, 9833, 9966, 11665-11671
$C_6H_{11}N$	Diallylamine. B.p. 110.4 519
$C_6H_{11}NO$	Caprolactam. 520, 11146
$C_6H_{11}NO_2$	Nitrocyclohexane. B.p. 205.3 3626, 4577, 5936, 7733, 10029, 11147, 11672-11682
$C_6H_{11}NO_3$	2-Methyl-2-nitropropyl vinyl ether. 521, 8100
C_6H_{12}	Cyclohexane. B.p. 80.75 129, 158, 522, 1066, 1159, 1269, 1329, 1490, 1681, 1839, 1905, 2079, 2328, 2361, 2756, 2797, 2907, 3001, 3084, 3173, 3428, 3545, 3932, 4087, 4255, 4578, 4873, 5162, 5179, 5378, 5435, 5470, 5541, 5600, 5697, 5714, 5748, 5767, 5808, 5827, 5841, 5889, 6259, 6283, 6384, 6495, 6572, 6782, 6797, 6832, 6903, 6990, 7009, 7017, 7243, 7249, 7374, 7442, 7540, 7583, 7689, 7714, 7886, 7912, 7923, 7944, 7970, 7988, 8066, 8077, 8146, 8234, 8274, 8338, 8430, 8616, 8632, 8654, 8666, 8678, 8707, 8723, 8763, 8846, 9172, 9196, 1209, 9228, 9249, 9265, 9282, 9296, 9405, 9418, 9698, 9742, 9752, 9794, 9834, 9919, 9942, 9952, 10107, 10515, 10648, 10706, 10854, 11148, 11258, 11350, 11683-11699, 15914, 15958, 16002, 16045, 16050, 16072, 16092, 16102, 16113, 16159, 16173, 16182, 16199, 16221, 16249, 16258, 16259, 16261, 16318, 16327, 16329, 16333, 16337, 16338, 16348, 16396, 16398, 16401, 16438, 16441, 16444, 16446, 16448, 16449, 16466, 16472, 16480, 16484, 16488, 16506-16508, 16558, 16233b, 16255a, 16374b, 16443a, 16482b, 16484a, 16508a, 16565b, 16565c

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Formula	Name and System No.
$C_6H_{12}O$	2,2-Dimethyltetrahydrofuran. B.p. 90 529
$C_6H_{12}O$	2,5-Dimethyltetrahydrofuran. B.p. 90 530
$C_6H_{12}O$	2-Ethylbutyraldehyde. B.p. 116.7 531
$C_6H_{12}O$	Ethyl methallyl ether. B.p. 76.65 4100
$C_6H_{12}O$	Hexaldehyde. B.p. 128.3 532, 8149
$C_6H_{12}O$	2-Hexanone. B.p. 127 533, 2749, 3430, 5601, 6573, 7036, 7198, 8150, 8340, 9495, 9921, 11631, 11774-11776, 16093, 16118
$C_6H_{12}O$	3-Hexanone. B.p. 124 534, 1068, 2208, 3431, 4875, 4924, 5602, 5809, 6574, 8012, 8151, 8341, 8432, 8848, 9496, 9625, 11777-11791
$C_6H_{12}O$	Isobutyl vinyl ether. B.p. 83.0 535, 4097, 8342, 16003
$C_6H_{12}O$	2-Methylpentanal. B.p. 118.3 536, 6497, 16094
$C_6H_{12}O$	4-Methyl-2-pentanone. B.p. 115.9 537, 1272, 1331, 1492, 1843, 2084, 2209, 2851, 3175, 3432, 3884, 4101, 4876, 4925, 5382, 5603, 5810, 6386, 6575, 7871, 8152, 8343, 8433, 8849, 9626, 9836, 9943, 10857, 11381, 11632, 11685, 11792-11808, 16073, 16298, 16508
$C_6H_{12}O$	2-Methyl-2-pentene-4-ol. 538, 16234
$C_6H_{12}O$	3,3-Dimethyl-2-butanone (Pinacolone). B.p. 106 539, 1271, 1332, 1683, 1844, 3176, 3433, 4877, 6387, 6498, 7544, 7838, 7872, 8236, 8344, 8847, 9250, 9266, 9283, 9391, 9419, 9650, 9700, 10858, 11686, 11809-11817
$C_6H_{12}OS$	2-Ethylthioethyl vinyl ether. B.p. 169.7 540
$C_6H_{12}O_2$	Amyl formate. B.p. 132 541, 9753, 16215
$C_6H_{12}O_2$	Butyl acetate. B.p. 126.2 542, 1161, 1493, 2210, 2908, 3177, 3349, 3434, 3628, 3885, 4258, 4878, 4926, 4953, 5383, 5604, 5811, 6576, 7585, 8013, 8041, 8153, 8237, 8345, 8434, 8850, 8926, 8950, 9134, 9173, 9575, 9627, 9754, 9837, 9922, 9968, 10516, 10859, 10896, 11382, 11633, 11687, 11774, 11777, 11818-11837, 15940, 16125, 16142, 16235, 16236, 16262, 16482, 6655a, 11704a, 11826a, 16409a, 16481a, 16481b
$C_6H_{12}O_2$	*sec*-Butyl acetate. B.p. 112.4 543, 8238, 11818, 16160, 16235, 16237
$C_6H_{12}O_2$	4,4-Dimethyl-1,3-dioxane. B.p. 133.4 543a, 9198c, 9198f, 9198g, 11402a, 11896a, 16213c
$C_6H_{12}O_2$	Ethyl butyrate. B.p. 119.9 159, 544, 1845, 2211, 2743, 2909, 3178, 3886, 4259, 4822, 4879, 4927, 6499, 6577, 7586, 8014, 8042, 8154, 8346, 8435, 8851, 9135, 9576, 9628, 9755, 9838, 9923, 10517, 11634, 11778, 11792, 11897-11911, 16345, 16421
$C_6H_{12}O_2$	2-Ethylbutyric acid. B.p. 194.2 545

Formula	Name and System No.
$C_6H_{12}O_2$	Ethyl isobutyrate. B.p. 110.1 546, 1069, 1846, 2212, 2363, 2493, 2744, 2828, 3179, 3887, 4102, 4823, 4880, 5019, 5038, 5437, 5812, 5866, 6320, 6500, 6578, 7545, 7873, 8024, 8043, 8155, 8347, 9230, 9251, 9629, 9651, 9924, 10860, 11688, 11793, 11809, 11912-11921
$C_6H_{12}O_2$	2-Ethyl-2-methyl-1,3-dioxolane. B.p. 117.6 547
$C_6H_{12}O_2$	Caproic acid. B.p. 205.15 548, 2380, 2621, 2668, 3629, 5109, 5938, 10115, 10148, 10176, 10329, 10375, 10662, 10707, 11285, 11316, 11590, 11838-11896, 9957a, 11837a
$C_6H_{12}O_2$	4-Hydroxy-4-methyl-2-pentanone. B.p. 166 549, 11383, 11922, 11923
$C_6H_{12}O_2$	Isoamyl formate. B.p. 124.2 550, 2213, 2910, 3180, 3435, 3630, 4260, 4881, 4928, 5605, 5813, 5828, 6579, 6941, 7443, 8015, 8044, 8092, 8156, 8348, 8436, 8852, 8927, 8951, 9174, 9497, 9577, 9630, 9756, 9839, 11384, 11635, 11775, 11779, 11819, 11897, 11924-11929, 16225, 16347
$C_6H_{12}O_2$	Isobutyl acetate. B.p. 117.2 551, 1070, 1847, 2214, 2576, 3436, 3888, 4824, 4882, 5438, 5814, 5829, 6501, 6580, 6942, 7037, 7546, 8016, 8025, 8045, 8157, 8239, 8349, 8437, 8853, 9136, 9578, 9631, 9840, 9925, 11780, 11794, 11898, 11930-11940, 16183, 16482a
$C_6H_{12}O_2$	Isocaproic acid. B.p. 199.5 2436, 5110, 9054, 10330, 10376, 10663, 10897, 11317, 11409, 11503, 11591, 11941-1972
$C_6H_{12}O_2$	Isopropyl propionate. B.p. 110.3 552, 11795, 11810, 11820
$C_6H_{12}O_2$	4-Methyl-4-hydroxytetrahydropyran. B.p. 188 552a, 9438a, 11837a
$C_6H_{12}O_2$	Methyl isovalerate. B.p. 116.3 553, 1071, 1848, 2215, 2829, 2852, 3437, 4103, 4883, 5039, 6388, 6502, 6581, 7038, 8026, 8046, 8158, 8240, 8350, 8438, 8765, 8854, 9632, 9796, 9926, 11781, 11796, 11899, 11912, 11930, 11973-11980
$C_6H_{12}O_2$	2-Methylpentanoic acid. B.p. 196.4 554
$C_6H_{12}O_2$	Propyl propionate. B.p. 122.1 555, 2216, 2911, 3181, 3438, 3631, 4884, 4929, 5606, 6503, 6582, 8017, 8093, 8159, 8351, 8439, 8855, 9633, 9841, 11385, 11782, 11820, 11900, 11924, 11981-11983, 16094a
$C_6H_{12}O_2$	Tetrahydropyran-2-methanol. B.p. 187.2 557
$C_6H_{12}O_2$	4-Vinyloxy-1-butanol 556, 8404
$C_6H_{12}O_2S$	2,4-Dimethylsulfolane. 11984, 11985
$C_6H_{12}O_3$	2,2-Dimethoxy-3-butanone. B.p. 145 558
$C_6H_{12}O_3$	2-Ethoxyethyl acetate. B.p. 156.8 559, 1591, 2437, 2577, 3632, 4261, 4702, 5069, 5111, 5165, 5607, 5939, 6124, 6583, 6656, 7140, 7199, 7275, 7316, 7444, 7612, 7791, 8018, 8160, 8352, 8440, 8766, 8879, 9055, 9110, 9322, 9498, 9521, 9665, 9714, 9842, 9969, 10377, 10445, 10898, 11470, 11504, 11565, 11821, 11986-12038, 16238

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Formula	Name and System No.
$C_6H_{12}O_3$	Ethyl α-hydroxyisobutyrate. B.p. 150 10899
$C_6H_{12}O_3$	Isopropyl lactate. B.p. 166.9 7141, 10900, 11705, 11986, 12039-12047
$C_6H_{12}O_3$	Methyl 3-ethoxypropionate. 560
$C_6H_{12}O_3$	Paraldehyde. B.p. 124 561, 2217, 2912, 3064, 3439, 4104, 4262, 4930, 6504, 6584, 7613, 8094, 8161, 8441, 8740, 9175, 9499, 9634, 9757, 9843, 9927, 9970, 10518, 11246, 11386 11706, 11822, 11901, 11925, 11931, 11973, 12048-12056, 15948, 16232, 16347
$C_6H_{12}O_3$	Propyl lactate. B.p. 171.7 2438, 3633, 5198, 5940, 7142, 7276, 8767, 9971, 10378, 10901, 11358, 11707, 12057-12093, 16428, 16429, 16532, 16533
$C_6H_{12}O_3$	Trioxane. B.p. 114.5 562
$C_6H_{12}O_3$	2(2-Vinyloxyethoxy)ethanol. 563, 8524
$C_6H_{13}Br$	1-Bromohexane. B.p. 156.5 3182, 3440, 3634, 4263, 4516, 5199, 5608, 5941, 6125, 7066, 7143, 7200, 7277, 7317, 7445, 7614, 8162, 8353, 9057, 9323, 9439, 9579, 9715, 10902, 11505, 11708, 11987, 12094-12104
$C_6H_{13}Cl$	1-Chlorohexane. B.p. 134.5 564
$C_6H_{13}ClO_2$	Chloroacetal. B.p. 157.4 6126, 6956, 7067, 7615, 9522, 10446, 10546, 11359, 11709, 12057, 12105-12127, 16503
$C_6H_{13}N$	Cyclohexylamine. B.p. 134.5 565, 11150, 11689, 11710, 16519, 16229a, 16233a, 16233b, 16233c
$C_6H_{13}N$	Hexamethylenimine. B.p. 138 566
$C_6H_{13}NO$	*N,N*-Dimethylbutyramide. 7446
$C_6H_{13}NO$	2,6-Dimethylmorpholine. B.p. 146.6 567
$C_6H_{13}NO$	4-Ethylmorpholine. B.p. 138.3 568
$C_6H_{13}NO_2$	4-Morpholinoethanol. B.p. 225.5 569
C_6H_{14}	2,2-Dimethylbutane. B.p. 49.7 1573, 2085, 3284, 4487, 4508, 5552, 6799, 6810, 9152, 16390, 1161a
C_6H_{14}	2,3-Dimethylbutane. B.p. 58.0 1273, 1494, 1574, 1684, 1849, 1907, 2086, 2799, 2957, 3183, 3285, 3295, 3329, 3517, 4105, 4264, 4507, 4807, 5384, 5439, 5507, 5553, 5750, 5769, 6248, 6302, 6389, 6505, 6646, 6785, 6800, 6811, 6834, 6844, 7375, 7587, 7716, 7972, 7981, 8241, 8276, 8300, 8693, 8715, 9153, 9797, 9813, 9844, 11349
C_6H_{14}	Hexane. B.p. 68.95 130, 570, 1162, 1274, 1333, 1495, 1575, 1685, 1747, 1850, 1908, 2087, 2330, 2364, 2577a, 2730b, 2744a, 2800 2913, 2958, 3003, 3184, 3286, 3296, 3330, 3364, 3441, 3518, 3546, 3889, 3934, 4106, 4265, 4580, 4691, 4740, 4975, 5040, 5181, 5385, 5440, 5472, 5508, 5554, 5609, 5699, 5716, 5151, 5770, 5787, 6249, 6260, 6284, 6303, 6390, 6506, 6647, 6786, 6801, 6812, 6835, 6838, 6905, 6997, 7376, 7396, 7407, 7547, 7588, 7673, 7691,

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Formula	Name and System No.
$C_6H_{14}O$	Propyl ether. B.p. 90.7 121, 582, 1164, 1334, 1530, 2092, 2332, 3005, 3017, 3186, 3443, 3935, 4111, 5042, 5387, 5442, 5610, 5700, 5890, 6392, 6507, 6585, 7039, 7252, 7377, 7589, 7692, 7718, 7839, 7874, 7947, 7989, 8069, 8164, 8245, 8278, 8356, 8656, 8856, 9129, 9137, 9232, 9252, 9268, 9298, 9392, 9408, 9421, 9652, 9690, 9702, 9799, 9945, 10865, 11352, 11692, 12198-12203, 16096, 151a, 1496a
$C_6H_{14}OS$	2-Butylthioethanol. 12204
$C_6H_{14}O_2$	Acetaldehyde diethyl acetal. B.p. 103.6 583, 1073, 1165, 1335, 1531, 1852, 2093, 2333, 2830, 2853, 3187, 3936, 4112, 4267, 5020, 5388, 5701, 5867, 6321, 6393, 6508, 7378, 7719, 7840, 7913, 8165, 8357, 8657, 9233, 9253, 9269, 9285, 9299, 9393, 9409, 9422, 9653, 9703, 10866, 11353, 11693, 11812, 11913, 11932, 11974, 12205-12212, 16009
$C_6H_{14}O_2$	2-Butoxyethanol. B.p. 171.2 584, 1391, 1592, 2218, 2440, 2579, 2915, 3350, 3444, 3636, 4268, 4581, 5112, 5201, 5270, 5943, 6128, 6979, 7069, 7145, 7279, 7590, 7734, 7793, 8166, 8769, 8881, 9524, 9667, 9717, 10149, 10332, 10380, 10448, 10521, 10665, 10710, 10904, 11153, 11286, 11472, 11506, 11566, 11667, 11712, 11823, 11989, 12059, 12095, 12140, 12213-12282, 16534
$C_6H_{14}O_2$	1,2-Diethoxyethane. B.p. 123 585, 4113, 8444, 12195
$C_6H_{14}O_2$	Butyraldehyde dimethyl acetal. B.p. 114 2094, 7397
$C_6H_{14}O_2$	2,2-Dimethoxybutane. B.p. 106 2095
$C_6H_{14}O_2$	1,3-Dimethoxybutane. B.p. 120.5 586
$C_6H_{14}O_2$	Isobutyraldehyde dimethyl acetal. B.p. 104.7 587
$C_6H_{14}O_2$	Ethoxypropoxymethane. B.p. 113.7 588, 4114, 6322, 6509, 9270, 9423, 11914, 16010, 16097
$C_6H_{14}O_2$	Hexylene glycol. 12289, 12284, 16535
$C_6H_{14}O_2$	2-Methyl-1,5-pentanediol. B.p. 242.4 589
$C_6H_{14}O_2$	3-Methyl-1,5-pentanediol. B.p. 248.4 590
$C_6H_{14}O_2$	Pinacol. B.p. 174.35 591, 2441, 3637, 4269, 5202, 5944, 6129, 6958, 7070, 9668, 9973, 10381, 10449, 10522, 10711, 10790, 10905, 11154, 11473, 12060, 12106, 12285-12317
$C_6H_{14}O_3$	Bis(2-methoxyethyl)ether. B.p. 162 592
$C_6H_{14}O_3$	Dipropylene glycol. B.p. 229.2 5136, 6657, 10246, 10291, 10791, 11025, 12318-12342
$C_6H_{14}O_3$	2(2-Ethoxyethoxy)ethanol. B.p. 201.9 593, 4270, 6130, 8445, 8525, 10906, 11155, 12343-12364
$C_6H_{14}O_3$	3-Methyl-1,3,5-pentanetriol. B.p. 295 593a, 11837b
$C_6H_{14}O_4$	Triethylene glycol. B.p. 288.7 594, 6691, 8526, 10272, 12365-12393

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Formula	Name and System No.
$C_6H_{16}N_2$	*N,N*-Diethylethylenediamine. B.p. 144.9 607
$C_6H_{16}N_2$	*N,N,N',N'*-Tetramethylethylenediamine. B.p. 120 608
$C_6H_{16}OSi$	Ethoxymethyltrimethylsilane. B.p. 102 4118
$C_6H_{16}OSi$	Trimethylpropoxysilane. B.p. 100.3 6510
$C_6H_{16}O_2Si$	Diethoxydimethylsilane. B.p. 114 4119
$C_5H_{18}OSi$	Hexamethyldisiloxane. B.p. 100 6511, 6860
C_7F_{14}	Perfluoromethylcyclohexane. B.p. 73 10869
C_7F_{16}	Perfluoroheptane. B.p. 81.6 3948, 6328, 7381, 8101, 9744, 10870, 12130, 12430-12433
$C_7H_5Cl_3$	α,α,α-Trichlorotoluene. B.p. 220.9 3639, 4271, 5946, 10177, 10247, 10581, 10712, 12434-12459
$C_7H_5F_3$	α,α,α-Trifluorotoluene. B.p. 103.9 62
C_7H_5N	Benzonitrile. B.p. 191.3 4272, 5113, 6132, 10030, 10150, 10382, 10666, 10908, 11157, 11507, 11592, 12214, 12460-12490
C_7H_5NO	Phenylisocyanate. B.p. 162.8 12491, 12492
$C_7H_6Cl_2$	α,α-Dichlorotoluene. B.p. 205.2 2669, 3640, 4273, 7448, 7616, 9325, 10582, 10713, 10909, 11026, 11410, 11593, 11838, 12493-12522
C_7H_6O	Benzaldehyde. B.p. 179.2 2248, 2442, 2670, 3641, 4274, 4682, 5114, 5203, 5612, 5947, 6918, 7280, 7449, 7617, 8882, 9007, 9326, 9441, 9975, 10333, 10383, 10667, 10714, 10910, 11158, 11411, 11508, 11643, 11673, 11713, 11941, 11990, 12061, 12061, 12141, 12215, 12523-12579, 16495, 16496, 16536, 16537
$C_7H_6O_2$	Benzoic acid. B.p. 250.5 3642, 4769, 5390, 5948, 10116, 10178, 10273, 10292, 11027, 12493, 12580-12624
$C_7H_6O_2$	Salicyladehyde. B.p. 196.7 9442, 11942
C_7H_7Br	α-Bromotoluene. B.p. 198.5 2671, 4760, 7450, 7618, 9057, 9327, 9443, 10547, 10911, 11159, 11287, 11318, 11412, 11594, 11839, 11943, 12625-12647
C_7H_7Br	*m*-Bromotoluene. B.p. 184.5 2622, 2672, 3447, 3643, 4275, 4517, 4583, 5204, 5271, 5613, 5950, 6133, 7071, 7451, 7735, 9058, 9328, 9444, 10668, 10912, 11160, 11288, 11413, 11474, 11509, 11595, 11714, 11944, 12460, 12523, 12648-12666
C_7H_7Br	*o*-Bromotoluene. B.p. 181.45 2381, 2525, 2623, 2673, 3448, 3644, 4276, 4518, 4584, 5137, 5205, 5272, 5614, 5949, 6134, 7072, 7231, 7281, 7452, 7619, 8771, 8953, 9059, 9329, 9445, 10548, 10715, 10913, 11161, 11289, 11414, 11475, 11510, 11567, 11596, 11647, 11715, 11840, 11945, 12062, 12142, 12216, 12461, 12524, 12667-12704, 16350, 16504, 16514, 16515, 16520, 16521, 16527, 16530

Formula	Name and System No.
C_7H_7Br	*p*-Bromotoluene. B.p. 185 2249, 2674, 3449, 3645, 4277, 4519, 5206, 5273, 5951, 6135, 7073, 7435, 9060, 9330, 9446, 10483, 10549, 10914, 11162, 11415, 11511, 11568, 11597, 11716, 11841, 11946, 12462, 12525, 12705-12731, 16516
C_7H_7BrO	*o*-Bromoanisole. B.p. 217.7 3646, 5952, 8527, 10179, 10583, 10792, 11028, 11842, 12318, 12732-12739
C_7H_7BrO	*p*-Bromoanisole. B.p. 217.7 12740-12742
C_7H_7Cl	α-Chlorotoluene. B.p. 179.3 2382, 2675, 3191, 3647, 4278, 4520, 5207, 5274, 5615, 5844, 7074, 7454, 7620, 8772, 8941, 9008, 9061, 9331, 9447, 10550, 10716, 10915, 11163, 11290, 11416, 11476, 11512, 11644, 11717, 11843, 11947, 12063, 12143, 12526, 12667, 12743-12781, 16351, 16428, 16430, 16495, 16497-16499, 16528, 16532, 16536-16541, 9847a
C_7H_7Cl	*m*-Chlorotoluene. B.p. 162.3 11844
C_7H_7Cl	*o*-Chlorotoluene. B.p. 159.2 1593, 1688, 2383, 2443, 2676, 3192, 3450, 3553, 3648, 4279, 4585, 4703, 4977, 5208, 5275, 5616, 5953, 6136, 6945, 7075, 7147, 7203, 7455, 7621, 8448, 8773, 8954, 9009, 9062, 9112, 9332, 9448, 9525, 9581, 9718, 9848, 9976, 10451, 10916, 11164, 11362, 11417, 11513, 11718, 11845, 11948, 11991, 12064, 12144, 12217, 12285, 12527, 12782-12804
C_7H_7Cl	*p*-Chlorotoluene. B.p. 163.5 609, 1689, 2444, 2677, 3193, 3451, 3649, 4280, 4521, 4586, 4704, 5115, 5209, 5617, 6137, 7076, 7148, 7232, 7282, 7456, 7622, 7736, 8449, 8774, 8955, 9010, 9063, 9113, 9333, 9449, 9526, 9719, 9849, 9977, 10917, 11136, 1165, 11363, 11418, 11477, 11514, 11655, 11719, 11846, 11949, 11992, 12065, 12145, 12218, 12286, 12463, 12528, 12805-12834
C_7H_7ClO	*m*-Chloroanisole. B.p. 193.3 6138, 6875, 8775, 12835, 12836
C_7H_7ClO	*o*-Chloroanisole. B.p. 195.7 3650, 5954, 6139, 7334, 10551, 10918, 12219, 12529, 12837
C_7H_7ClO	*p*-Chloroanisole. B.p. 197.8 3651, 5955, 6876, 10484, 10793, 12838-12845
C_7H_7F	*o*-Fluorotoluene. B.p. 114 9780, 9851
C_7H_7I	*p*-Iodotoluene. B.p. 214.5 2384, 2624, 2678, 3652, 4281, 5138, 5956, 6140, 9450, 10584, 10717, 10794, 10919, 11029, 11847, 12732, 12846-12876
$C_7H_7NO_2$	*m*-Nitrotoluene. B.p. 230.8 3653, 4282, 5957, 6141, 6692, 8528, 8977, 10180, 10248, 10585, 11030, 11262, 12434, 12580, 12877-12919
$C_7H_7NO_2$	*o*-Nitrotoluene. B.p. 221.75 3654, 4283, 4587, 4770, 5958, 6142, 6693, 6914, 8529, 8978, 10031, 10117, 10181, 10586, 10795, 11031, 11166, 11848, 12319, 12435, 12494, 12581, 12846, 12920-12979
$C_7H_7NO_2$	*p*-Nitrotoluene. B.p. 238.9 3655, 4284, 5959, 6143, 6694, 8530, 8979, 10182, 10249, 10274, 10293, 11032, 11093, 11263, 11849, 12320, 12436, 12582, 12980-13018
C_7H_8	Toluene. B.p. 110.7 160, 610, 1075, 1166, 1276, 1393, 1498, 1532, 1540, 1690, 1856, 2098, 2220, 2365, 2581, 2801, 2854, 2916, 3006, 3019, 3031, 3066, 3194, 3452, 3554, 3656, 3891, 3937, 4120, 4285, 4532, 4641, 4705, 4828, 4887, 4933,

Formula	Name and System No.
C_7H_8	Toluene (*continued*) 5021, 5043, 5210, 5276, 5391, 5443, 5479, 5618, 5702, 5815, 5868, 5960, 6144, 6261, 6285, 6323, 6397, 6512, 6586, 6658, 6695, 6855, 6859, 6885, 6946, 6991, 7077, 7244, 7382, 7398, 7404, 7457, 7550, 7556, 7591, 7623, 7720, 7795, 7842, 7876, 8020, 8027, 8048, 8096, 8170, 8246, 8279, 8304, 8361, 8450, 8512, 8531, 8617, 8776, 8858, 8928, 8942, 9139, 9176, 9211, 9236, 9254, 9271, 9286, 9300, 9334, 9394, 9410, 9425, 9500, 9527, 9582, 9637, 9643, 9691, 9704, 9760, 9781, 9800, 9852, 9903, 9909, 9932, 9946, 9978, 10452, 10524, 10718, 10871, 10920, 11167, 11252, 11255, 11387, 11694, 11704, 11720, 11786, 11799, 11814, 11825, 11904, 11916, 11926, 11935, 11975, 11981, 11993, 12050, 12131, 12146, 12200, 12208, 12287, 12394, 12403, 12407, 12412, 12417, 13019-13047, 15916, 15943, 15951, 15960, 16012, 16047, 16079, 16098, 16103, 16108, 16185, 16191, 16222, 16238, 16240-16242, 16251, 16300, 16362, 16406, 16408, 16409, 16420, 16422, 16439, 16443, 16467, 16469, 16471, 16475, 16479, 16489, 16490, 16493, 16523, 16534, 16542-16544, 21817c, 5893a, 16163a, 16337a, 16338b, 16433b, 16438a, 16481b, 16482a, 16565a, 16565b
$C_7H_8Cl_2Si$	Methylphenyldichlorosilane. B.p. 203.6 10645, 13048
C_7H_8O	Anisole. B.p. 153.8 611, 1394, 2445, 2582, 3032, 3195, 3453, 3657, 4286, 4588, 4659, 4679, 4706, 4978, 5071, 5211, 5619, 5816, 6145, 6587, 6960, 7041, 7078, 7149, 7204, 7320, 7458, 7624, 7796, 8171, 8451, 8777, 8883, 8956, 9011, 9064, 9114, 9335, 9451, 9528, 9583, 9669, 9720, 9853, 9979, 10453, 10921, 11168, 11364, 11419, 11478, 11515, 11721, 11994, 12066, 12107, 12147, 12220, 12288, 12418, 12530, 12782, 12805, 13049-13076, 16460, 16474, 16526, 16531, 2098a
C_7H_8O	Benzyl alcohol. B.p. 205.2 612, 2250, 3658, 4287, 5116, 5277, 5845, 5961, 6146, 7335, 7737, 8532, 10032, 10118, 10151, 10183, 10294, 10334, 10384, 10587, 10669, 10719, 10796, 10922, 11169, 11319, 12321, 12437, 12464, 12495, 12648, 12668, 12705, 12743, 12847, 12877, 12920, 12980, 13019, 13077-13145, 16240, 16505, 16524, 16538
C_7H_8O	*m*-Cresol. B.p. 202.2 2251, 2385, 2526, 2679, 3659, 4288, 4522, 5962, 6147, 6877, 7738, 8533, 9584, 10119, 10184, 10275, 10335, 10720, 10797, 10923, 11170, 11291, 11320, 11403, 11516, 11569, 11850, 11995, 12067, 12221, 12289, 12343, 12465, 12496, 12531, 12669, 12706, 12733, 12848, 12921, 13077, 13146-13215, 13302-13306, 16548
C_7H_8O	*o*-Cresol. B.p. 191.1 1395, 2252, 2386, 2446, 2527, 2680, 3660, 4289, 4589, 4716, 4979, 5117, 5212, 5278, 5963, 6148, 6696, 7739, 7797, 9065, 9336, 9452, 9529, 9585, 9980, 10033, 10120, 10152, 10185, 10336, 10385, 10454, 10485, 10552, 10670, 10721, 10798, 10924, 11171, 11292, 11321, 11420, 11479, 11517, 11598, 11722, 11950, 11996, 12040, 12068, 12096, 12148, 12222, 12290, 12344, 12419, 12466, 12497, 12532, 12625, 12649, 12670, 12707, 12744, 12783, 12806, 12837, 12849, 13078, 13146, 13216-13301, 16416, 16545-16547
C_7H_8O	*p*-Cresol. B.p. 201.7 2253, 2387, 2625, 2681, 3661, 4290, 4590, 4771, 5964, 6149, 6659, 6697, 6878, 7740, 8534, 9066, 9453, 9586, 10034, 10121, 10153, 10186, 10337, 10386, 10486, 10588, 10671, 10722, 10799, 10925, 11172, 11293, 11322, 11404, 11518, 11571, 11599, 11852, 11951, 11997, 12041, 12069, 12223, 12291, 12322, 12345, 12467, 12498, 12533, 12626, 12671, 12708, 12850, 13020, 13079, 13147, 13216, 13307-13396

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Formula	Name and System No.
C_7H_{12}	1-Heptyne. B.p. 99.5 4123, 16013, 13566a, 13566b
C_7H_{12}	5-Methyl-1-hexyne. B.p. 90.8 4124
$C_7H_{12}Cl_4$	Tetrachloroheptane. 8918
$C_7H_{12}O$	3-Heptene-2-one. B.p. 162.9 623, 11388
$C_7H_{12}O$	Methylcyclohexanone. B.p. 165.0 3197
$C_7H_{12}O_2$	Butyl acrylate. B.p. 147 624, 8172, 16144
$C_7H_{12}O_2$	Cyclohexyl formate. 11723
$C_7H_{12}O_2$	2-Ethoxy-3,4-dihydro-1,2-pyran. B.p. 142.9 625
$C_7H_{12}O_2$	4-Methyl-4-vinyl-1,3-dioxane. B.p. 151 625a, 11896a
$C_7H_{12}O_4$	Ethyl malonate. B.p. 198.9 65, 2254, 4299, 6150, 8535, 10125, 10156, 10676, 10730, 10932, 11294, 11324, 11600, 11854, 11953, 12470, 12502, 12629, 12711, 12855, 13223, 13314, 13401, 13514, 13567-13601
$C_7H_{12}O_4$	Pimelic acid. 626
$C_7H_{13}ClO_2$	Isoamyl chloroacetate. B.p. 195.2 627, 2683, 3668, 4300, 7742, 9337, 9454, 9855, 10038, 11520, 11855, 12226, 13086, 13602-13609, 16226
C_7H_{14}	1,1-Dimethylcyclopentane. B.p. 87.84 4125, 8634, 8659, 8680, 8700, 16201
C_7H_{14}	*cis*-1,2-Dimethylcyclopentane. B.p. 99.53 4126, 8618, 8681, 16202
C_7H_{14}	*trans*-1,2-Dimethylcyclopentane. B.p. 91.87 4127
C_7H_{14}	*cis*-1,3-Dimethylcyclopentane. B.p. 91.72 4128, 16203
C_7H_{14}	*trans*-1,3-Dimethylcyclopentane. B.p. 90.77 2099, 4129, 6907, 8620, 8635, 8658, 8668, 8682, 8699
C_7H_{14}	2,3-Dimethyl-1-pentene. B.p. 84.2 4130
C_7H_{14}	Ethylcyclopentane. B.p. 103.45 4131, 8619, 8683, 8899, 13022
C_7H_{14}	1-Heptene. B.p. 93.64 629, 1857, 8173, 15884, 16543, 4740a, 13566a
C_7H_{14}	*trans*-2-Heptene. B.p. 98.0 6588
C_7H_{14}	3-Heptene. B.p. 94.8 13023, 13610, 16543
C_7H_{14}	Methylcyclohexane. B.p. 101.65 161, 628, 1076, 1277, 1336, 1499, 1533, 1692, 1853, 2100, 2334, 2366, 2745, 2802, 2831, 3007, 3198, 3454, 3669, 3892, 3938, 4132, 4301, 4533, 4593, 4829, 4888, 4934, 5022, 5044, 5213, 5279, 5392, 5444, 5621, 5703, 5869, 5891, 6262, 6287, 6324, 6398, 6513, 6589, 6992, 7019, 7245, 7250, 7383, 7459, 7551, 7592, 7693, 7721, 7877, 7914, 7990, 8070, 8174, 8247, 8280, 8362, 8452, 8621, 8660, 8684, 8698, 8778, 8859, 9212, 9237,

In Azeotropic Data—III; Horsley, L.;
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Formula	Name and System No.
$C_7H_{14}O_2$	Isoamyl acetate. B.p. 142.1 643, 1401, 2450, 2588, 2919, 3202, 3354, 3458, 3678, 4306, 4831, 5078, 5624, 5831, 6590, 6947, 7043, 7210, 7627, 7803, 8050, 8177, 8364, 8456, 9178, 9591, 9639, 9672, 9863, 10339, 10456, 10528, 10554, 11906, 12002, 12097, 13052, 13618, 13659, 13669, 13675, 13715, 13720-13732, 16015, 16227, 16374a
$C_7H_{14}O_2$	Isobutyl propionate. B.p. 136.9 644, 1402, 2222, 2589, 2920, 3459, 3679, 4307, 4937, 5079, 6591, 7211, 7324, 7800, 8022, 8178, 8365, 8457, 8943 9140, 9179, 9676, 9864, 9988, 10529, 11391, 12052, 13619, 13660, 13720, 13733-13738
$C_7H_{14}O_2$	Isopropyl butyrate. B.p. 128 4955
$C_7H_{14}O_2$	Isopropyl isobutyrate. B.p. 120.8 645, 2223, 4832, 8051, 8179, 8366, 9640, 13026, 13739
$C_7H_{14}O_2$	4-Methoxy-4-methyl-2-pentanone. B.p. 165 6288
$C_7H_{14}O_2$	Methyl caproate. B.p. 149.8 646, 2451, 2590, 4308, 5625, 7804, 8458, 9533, 9678, 9722, 10457, 11366, 11725, 12785, 13740-13745
$C_7H_{14}O_2$	Propyl butyrate. B.p. 142.8 647, 2452, 2591, 3460, 3680, 4309, 4660, 4833, 5080, 5626, 7212, 7325, 7628, 7805, 8180, 8459, 9592, 9677, 9865, 10458, 10530, 12003, 12151, 13053, 13620, 13661, 13670, 13676, 13721, 13746-13751, 16462
$C_7H_{14}O_2$	Propyl isobutyrate. B.p. 133.9 648, 2224, 2921, 3203, 3461, 4310, 4834, 4938, 5081, 6948, 7806, 8052, 8181, 8367, 8944, 8960, 9502, 9679, 9764, 9866, 11392, 11776, 11826, 12053, 13752-13758
$C_7H_{14}O_3$	1,3-Butanediol methyl ether acetate. B.p. 171.75 649, 2453, 2592, 3681, 4311, 5118, 5971, 6153, 6662, 7151, 7284, 7461, 7629, 7743, 8460, 8780, 8885, 9338, 9455, 9680, 9723, 9989, 10340, 10390, 10459, 10935, 11481, 11522, 11572, 11726, 12152, 12228, 12675, 12808, 12835, 13054, 13225, 13317, 13759-13784
$C_7H_{14}O_3$	2,2-Dimethoxy-3-pentanone. B.p. 162.5 650
$C_7H_{14}O_3$	Ethyl 3-ethoxypropionate. B.p. 170.1 651
$C_7H_{14}O_3$	4-Hydroxyethyl-4-methyl-1,3-dioxane 651a
$C_7H_{14}O_3$	4-Hydroxy-3-methylol-4-methyltetrahydropyran 651b
$C_7H_{14}O_3$	Isobutyl lactate. B.p. 182.15 3682, 5972, 10039, 10389, 10677, 10934, 11178, 11677, 12229, 12534, 12653, 12676, 12712, 12747, 13155, 13226, 13318, 13602, 13629, 13785-13804, 16539, 16540, 16549, 16550
$C_7H_{14}O_3$	3-Methoxybutyl acetate. B.p. 171.3 652
$C_7H_{14}O_4$	2(2-Methoxyethoxy)ethyl acetate. B.p. 208.9 653
$C_7H_{15}N$	1,2-Dimethylpiperidine. B.p. 128 9784, 9867
$C_7H_{15}N$	2,6-Dimethylpiperidine. B.p. 128 9785, 9868
$C_7H_{15}NO$	*N,N*-Dimethylvaleramide. 9456

Formula	Name and System No.
$C_7H_{16}O_2$	1-Butoxy-2-propanol. B.p. 170.1 660, 6662a
$C_7H_{16}O_2$	Diisopropoxymethane. 661
$C_7H_{16}O_2$	Dipropoxymethane. B.p. 137.2 662, 6515, 8369, 9503, 11638, 11827, 13752, 16099
$C_7H_{16}O_2$	2-Ethyl-1,5-pentanediol. B.p. 253.3 663
$C_7H_{16}O_3$	1(2-Ethoxyethoxy)-2-propanol. B.p. 198.1 664
$C_7H_{16}O_3$	Dipropylene glycol methyl ether. 13830, 6662b
$C_7H_{16}O_3$	2-Ethoxyethyl 2-methoxyethyl ether. B.p. 194.2 665, 13156, 13319
$C_7H_{16}O_3$	Ethyl orthoformate. B.p. 145.75 1404, 2455, 2593, 3463, 3685, 9593, 10461, 12005, 13056, 13708, 13722, 13831-13837
$C_7H_{16}O_3$	2(2-Propoxyethoxy)ethanol. B.p. 215.8 666
$C_7H_{16}O_4$	2(2(2-Methoxyethoxy)ethoxy)ethanol. B.p. 245.25 3686, 5973, 6594, 8536, 10040, 10194, 10295, 10732, 12346, 12880, 12926, 12981, 13838-13872
$C_7H_{17}NO$	1-Diethylamino-2-propanol. B.p. 159.5 667
$C_7H_{18}N_2$	3-Diethylaminopropylamine. B.p. 169.4 668
$C_7H_{18}OSi$	Butoxytrimethylsilane. B.p. 124.5 8183
$C_8F_{18}O$	Perfluorocyclic oxide. B.p. 102.6 6863, 8741, 12431, 13612, 13873-13875
$C_8F_{18}O$	Perfluorobutyl ether. B.p. 100 10878, 13806
$C_8H_5Cl_3$	*ar*-Trichlorostyrene. 13876
C_8H_6	Phenylacetylene. B.p. 142 3464, 4642, 6264, 8727
$C_8H_6Cl_2$	*ar*-Dichlorostyrene. 10041
C_8H_6O	Coumarone. B.p. 173 6663
C_8H_7N	Indole. B.p. 253.5 3687, 4314, 8537, 11034, 13437, 13877-13886
C_8H_7N	α-Toluonitrile. B.p. 232 13887
C_8H_8	Styrene. B.p. 145 669, 1694, 1860, 2105, 2456, 2694, 2684, 2923, 3033, 3205, 3465, 3688, 4143, 4315, 4643, 4939, 5216, 5629, 5705, 6155, 6265, 6401, 6516, 6595, 6699, 7081, 7153, 7213, 7327, 7463, 7630, 7807, 8184, 8250, 8282, 8370, 8462, 8728, 8282, 9012, 9067, 9339, 9535, 9594, 9682, 9724, 9870, 9904, 9935, 9990, 10462, 10938, 11181, 11242, 11421, 11524, 11728, 12006, 12072, 12109, 12154, 12536, 13057, 13228, 13463, 13677, 13709, 13716, 13733, 13746, 13753, 13831, 13888-13894, 16017, 16450, 16486
$C_8H_8Cl_2O$	2(2,4-Dichlorophenoxy)ethanol. 670

Formula	Name and System No.
C_8H_{10}	*m*-Xylene (*continued*) 6404, 6518, 6597, 6704, 6865, 6867, 7044, 7083, 7215, 7466, 7633, 7809, 8187, 8252, 8372, 8402, 8464, 8730, 8784, 8862, 8961, 9014, 9141, 9180, 9342, 9458, 9505, 9537, 9596, 1683, 9725, 9804, 9872, 9937, 9992, 10464, 10533, 10944, 11184, 11244, 11394, 11424, 11482, 11640, 11668, 11729, 11789, 11829, 12008, 12055, 12110, 12157, 12234, 12294, 12400, 12423, 13058, 13465, 13622, 13631, 13711, 13717, 13724, 13735, 13740, 13747, 13755, 13811, 13832, 13889, 13890, 14097, 14108-14116, 15875, 15953, 16105, 16231, 16461, 16462, 1167b, 5893b
C_8H_{10}	*o*-Xylene. B.p. 143.6 1697, 1863, 2108, 2457, 2597, 2688, 3035, 3208, 3469, 3555, 3698, 4146, 4323, 4599, 4646, 4709, 5084, 5284, 5632, 5819, 5833, 5979, 6403, 6519, 6598, 6665, 6705, 7084, 7216, 7467, 7634, 8057, 8188, 8373, 8465, 8546, 8785, 8863, 9343, 9459, 9538, 9597, 9805, 9873, 9993, 10945, 11185, 11367, 11425, 11483, 11730, 12009, 12111, 12158, 12235, 12401, 12538, 13059, 13233, 13623, 13663, 13671, 13678, 13718, 13725, 13736, 13741, 13748, 13891, 14108, 14117, 14118, 16369, 1167c, 5893c, 6867a
C_8H_{10}	*p*-Xylene. B.p. 138.4 1698, 2109, 2690, 2926, 3209, 3358, 3470, 3699, 4147, 4324, 4647, 4942, 5085, 5220, 5633, 5894, 6405, 6520, 6599, 6601, 6866, 6949, 7217, 7468, 7594, 7635, 7810, 8189, 8284, 8374, 8466, 8547, 8786, 8864, 9181, 9344, 9506, 9539, 9598, 9766, 9874, 9994, 10534, 11186, 11426, 11731, 11830, 12010, 12056, 12159, 12401, 13030, 13712, 13726, 13737, 13756, 13808, 14098, 14109, 14119, 14120, 16370, 16544, 16566, 1167d
$C_8H_{10}O$	Benzyl methyl ether. B.p. 167.8 1407, 2458, 3211, 3471, 3556, 3700, 4325, 4600, 4981, 5119, 5221, 5285, 5634, 6162, 6961, 7085, 7154, 7469, 7636, 7748, 7811, 8467, 8787, 9015, 9069, 9345, 9460, 9875, 10046, 10392, 10465, 10946, 11187, 11484, 11526, 11574, 11648, 11732, 11956, 12011, 12073, 12099, 12160, 12236, 12295, 12473, 12539, 12786, 13455, 13632, 13785, 13812, 14121-14132
$C_8H_{10}O$	*p*-Ethylphenol. B.p. 218.8 4327, 6163, 6880, 7336, 10199, 10253, 10738, 11859, 12540, 12859, 12883, 13092, 13496, 13898, 14046, 14134-14160
$C_8H_{10}O$	*m*-Methylanisole. B.p. 177.2 6164
$C_8H_{10}O$	*p*-Methylanisole. B.p. 177.05 2459, 3701, 4326, 4601, 4717, 5120, 5222, 5286, 5635, 6165, 7155, 7637, 8468, 8788, 9070, 9346, 9461, 9995, 10343, 10393, 10680, 10947, 11188, 11296, 11427, 11485, 11527, 11604, 11734, 11957, 12012, 12074, 12161, 12237, 12296, 12541, 12678, 13234, 13456, 13471, 13633, 13760, 13813, 14161-14182
$C_8H_{10}O$	α-Methylbenzyl alcohol. B.p. 203.4 678
$C_8H_{10}O$	Phenethyl alcohol. B.p. 219.5 3702, 4328, 5980, 6166, 6706, 7749, 8548, 10047, 10129, 10200, 10596, 10739, 10808, 11265, 12860, 12929, 12985, 13161, 13324, 13407, 13517, 14047, 14134, 14183-14220
$C_8H_{10}O$	Phenetole. B.p. 170.4 679, 2460, 2691, 3036, 3472, 3557, 3703, 4329, 4523, 4602, 4982, 5121, 5223, 5636, 5981, 6167, 7086, 7156, 7470, 7638, 8469, 8789, 8887, 8962, 9016, 9071, 9116, 9347, 9462, 9540, 9876, 9996, 10344, 10394, 10558, 10681, 10948, 11189, 11428, 11486, 11528, 11575, 11649, 11656, 11733, 11958, 12013, 12075, 12112, 12162, 12238, 12297, 12474, 12542, 12679, 12750, 12787, 12810, 13235, 13457, 13634, 13657, 13761, 13786, 13814, 14221-14252, 16533

Formula	Name and System No.
$C_8H_{10}O$	2,4-Dimethylphenol. B.p. 210.5 3704, 6168, 6881, 7337, 7750, 10201, 10597, 12714, 12861, 12930, 13162, 13408, 13787, 13899, 13960, 13988, 14135, 14253-14264
$C_8H_{10}O$	2,6-Dimethylphenol. 4325a, 6665a, 6679a
$C_8H_{10}O$	3,4-Xylenol. B.p. 226.8 3705, 4330, 5982, 6169, 6707, 7338, 8549, 8982, 10198, 10254, 10297, 10598, 10740, 10809, 11038, 11328, 11860, 12348, 12585, 12734, 12862, 12882, 12931 12984, 13093, 13497, 13556, 13683, 13900, 13945, 14048, 14086, 14183, 14265-14306
$C_8H_{10}O$	3,5-Xylenol. 14307
$C_8H_{10}O_2$	*m*-Dimethoxybenzene. B.p. 214.7 3706, 6708, 10202, 10600, 10741, 10810, 11329, 11861, 12443, 12863, 12932, 13094, 13163, 13325, 13409, 13518, 13571, 13946, 14049, 14308-14319
$C_8H_{10}O_2$	*m*-Ethoxyphenol. B.p. 243.8 14320
$C_8H_{10}O_2$	*o*-Ethoxyphenol. B.p. 216.5 2630, 3707, 4331, 5983, 6709, 7339, 10203, 10601, 10742, 11190, 11330, 11862, 12933, 13095, 13326, 13472, 13498, 13684, 13901, 14050, 14265, 14321-14343
$C_8H_{10}O_2$	2-Phenoxyethanol. B.p. 245.2 5139, 8550, 10204, 13096, 13840, 14051, 14137, 14184, 14266, 14321, 14344-14355
$C_8H_{10}O_2$	Veratrole. B.p. 205.5 680, 3708, 4332, 5140, 6170, 9072, 10599, 10743, 10811, 10949, 11191, 11331, 11429, 11529, 11576, 11863, 12864, 12934, 13097, 13164, 13236, 13327, 13902, 13961, 13989, 14136, 14356-14366
$C_8H_{11}ClSi$	Dimethylphenylchlorosilane. B.p. 194.6 13048
$C_8H_{11}N$	2,4,6-Collidine. B.p. 171 681, 4334, 10950, 13165, 13237, 14416, 14417, 16414, 16416, 16548
$C_8H_{11}N$	*N,N*-Dimethylaniline. B.p. 194.05 1699, 3212, 3709, 4333, 4603, 5984, 6666, 8888, 9997, 10048, 10130, 10159, 10345, 10395, 10682, 10744, 10951, 11192, 11678, 11735, 12163, 12239, 12298, 13349, 12424, 12475, 12507, 12543, 12634, 12654, 12680, 12715, 12751, 12865, 12935, 13098, 13166, 13238, 13328, 13410, 13473, 13635, 13815, 13903, 14161, 14185, 14221, 14322, 14356, 14367-14394
$C_8H_{11}N$	Ethylaniline. B.p. 205.5 682, 3712, 4337, 4605, 5987, 10131, 10205, 10683, 10745, 10952, 11679, 12476, 12508, 12936, 13099, 13167, 13239, 13330, 13411, 13499, 13904, 14138, 14186, 14268, 14323, 14357, 14395-14415
$C_8H_{11}N$	α-Methylbenzylamine. B.p. 188.6 683
$C_8H_{11}N$	5-Ethyl-2-methylpyridine. B.p. 178.3 684, 13031, 14096
$C_8H_{11}N$	*ar*-Methyl-1,2,3,6-tetrahydrobenzonitrile. B.p. 205.4 685
$C_8H_{11}N$	2,4-Xylidine. B.p. 214.0 3710, 4335, 4604, 5985, 10746, 12866, 12937, 13100, 13240, 13329, 13412, 13905, 14187, 14267, 14308, 14324, 14418-14429

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Formula	Name and System No.
$C_8H_{11}N$	3,4-Xylidine. B.p. 225.5 3711, 4336, 5986, 10206, 10747, 12938, 13101, 14188, 14309, 14430-14435
$C_8H_{11}NO$	*o*-Phenetidine. B.p. 232.5 3713, 4338, 5988, 8551, 10207, 10255, 10277, 10298, 10812, 11039, 11095, 12884, 12939, 12986, 13102, 14052, 14139, 14189, 14269, 14436-14454
$C_8H_{11}NO$	*p*-Phenetidine. B.p. 249.9 3714, 4339, 8552, 10256, 10278, 10299, 11040, 11096, 12586, 12885, 12987, 14270, 14455-14474
C_8H_{12}	4-Vinylcyclohexene. 6602, 2805c
C_8H_{12}	1,3,7-Octatriene. B.p. 125 2805b
C_8H_{12}	1,3-*trans*-6-*cis*-octatriene. B.p. 132 2805a
$C_8H_{12}N_2O_2$	Hexamethylenediisocyanate. 10346
$C_8H_{12}O$	2-Methyl-1,2,3,6-tetrahydrobenzaldehyde. B.p. 176.4 686
$C_8H_{12}O_2$	3,4-Dihydro-2,5-dimethyl-2-*H*-pyran-2-carboxaldehyde. B.p. 176.9 687
$C_8H_{12}O_4$	Ethyl fumarate. B.p. 217.85 688, 3715, 4340, 5989, 6171, 6710, 7751, 8553, 10208, 10602, 10748, 10813, 12886, 12940, 13168, 13241, 13331, 13685, 13841, 14053, 14140, 14190, 14253, 14271, 14310, 14358, 14475-14501
$C_8H_{12}O_4$	Ethyl maleate. B.p. 223.3 689, 2692, 3716, 4341, 5990, 6172, 6711, 8554, 8983, 10603, 10749, 10814, 11041, 12887, 12941, 13169, 13242, 13332, 13686, 13842, 14054, 14141, 14254, 14272, 14311, 14325, 14502-14525
C_8H_{14}	Diisobutylene. B.p. 101 690, 6406, 8253, 16080, 16166, 16207, 16492
$C_8H_{14}O$	Bicyclo(2.2.1)heptane-2-methanol. B.p. 203.9 691
$C_8H_{14}O$	Cyclohexyl vinyl ether. 11736
$C_8H_{14}O$	Diisobutylene oxide. 692
$C_8H_{14}O$	2-Ethyl-2-hexenal. B.p. 176 693, 2110
$C_8H_{14}O$	2-Methallyl ether. B.p. 134.6 694, 7406
$C_8H_{14}O$	Methylheptenone. B.p. 173.2 2461, 3717, 4342, 5224, 5991, 6173, 7471, 8790, 9017, 9073, 9348, 10396, 10953, 11193, 11430, 11487, 11737, 12299, 12544, 12681, 12752, 12788, 12811, 13243, 13636, 13816, 14121, 14222, 14526-14544
$C_8H_{14}O$	2-Octenal. 695
$C_8H_{14}O$	2,4,6-Trimethyl-5,6-dihydro-1,2-pyran. 16234
$C_8H_{14}O_2$	Butyl methacrylate. 8190, 8933
$C_8H_{14}O_2$	Acetaldehyde diallyl acetal. B.p. 150.9 696

Formula	Name and System No.
C_8H_{16}	1-Octene. B.p. 121.6 704, 1865, 2806, 14100, 15886, 1167e
C_8H_{16}	2-Octene. B.p. 125.2 2807, 8473
C_8H_{16}	1,1,2-Trimethylcyclopentane. B.p. 113.73 6412, 8902
C_8H_{16}	1,1,3-Trimethylcyclopentane. B.p. 104.9 6413, 6606, 13034
C_8H_{16}	*cis,cis,trans*-1,2,4-Trimethylcyclopentane. 6416
C_8H_{16}	1-*trans*-2-*cis*-4-Trimethylcyclopentane. B.p. 109.29 4156
C_8H_{16}	1-*cis*-2-*trans*-4-Trimethylcyclopentane. B.p. 116.73 6415
C_8H_{16}	*cis,trans,cis*-1,2,3-Trimethylcyclopentane. B.p. 110.4 8595, 13035
C_8H_{16}	1-*trans*-2-*cis*-3-Trimethylcyclopentane. B.p. 110.2 6608
C_8H_{16}	1-*cis*-2-*trans*-3-Trimethylcyclopentane. B.p. 117.5 4154, 6414
C_8H_{16}	*cis,trans,cis*-1,2,4-Trimethylcyclopentane. B.p. 105.3 4155, 13036
C_8H_{16}	1-*cis*-2-*cis*-3-Trimethylcyclopentane. B.p. 123.0 6607
C_8H_{16}	2,3,4-Trimethyl-2-pentene. B.p. 116 13037
C_8H_{16}	2,4,4-Trimethyl-1-pentene. B.p. 101.44 6609
C_8H_{16}	2,4,4-Trimethyl-2-pentene. B.p. 104.91 4157
$C_8H_{16}O$	Allyl isoamyl ether. B.p. 120 705
$C_8H_{16}O$	2-Ethylhexaldehyde. B.p. 163.6 706, 12136
$C_8H_{16}O$	2-Octanone. B.p. 172.85 2462, 3718, 4345, 5122, 5225, 5287, 5992, 6175, 6667, 7157, 7287, 7473, 8792 8963, 9018, 9117, 9349, 9463, 10397, 10490, 10559, 10954, 11195, 11488, 11739, 12014, 12076, 12113, 12164, 12300, 12545, 12655, 12682, 12753, 12812, 13060, 13245, 13573, 13605, 13637, 13762, 14122, 14162, 14223, 14583-14603
$C_8H_{16}O$	2,2,5,5-Tetramethyltetrahydrofuran. B.p. 115 707
$C_8H_{16}O$	2,4,4-Trimethyl-1,2-epoxypentane. B.p. 140.9 708
$C_8H_{16}O$	2,4,4-Trimethyl-2,3-epoxypentane. B.p. 127.3 709
$C_8H_{16}OS$	2-Butylthioethyl vinyl ether. B.p. 210.5 710, 12204
$C_8H_{16}O_2$	Amyl propionate. 5638
$C_8H_{16}O_2$	2-Butoxyethyl vinyl ether. 711

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Formula	Name and System No.
$C_8H_{16}O_3$	2-Ethoxyethyl 2-vinyloxyethyl ether. B.p. 194.0 727
$C_8H_{16}O_3$	Isoamyl lactate. B.p. 202.4 3726, 10050, 10160, 10684, 10753, 10958, 11333, 12350, 12511, 12636, 12868, 13171, 13246, 13335, 13413, 13574, 13907, 13963, 14192, 14255, 14274, 14690-14701
$C_8H_{16}O_4$	2(2-Ethoxyethoxy)ethyl acetate. B.p. 218.5 728, 4351, 11866, 12246, 13103, 13689, 13908, 13964, 14477, 14702-14713
$C_8H_{17}Cl$	1-Chloro-2-ethylhexane. B.p. 173 729
$C_8H_{17}Cl$	3-(Chloromethyl)heptane. 12137, 14714
$C_8H_{17}N$	*N*-Ethylcyclohexylamine. B.p. 164.9 730
$C_8H_{17}N$	5-Ethyl-2-methylpiperidine. B.p. 163.4 731
$C_8H_{17}N$	Methyl(methylcyclohexyl)amine. 732
$C_8H_{17}NO$	*N,N*-Dimethylhexaneamide. 11867
$C_8H_{17}NO$	4-Ethyl-2,6-dimethylmorpholine. B.p. 158.1 733
C_8H_{18}	2,2-Dimethylhexane. B.p. 106.54 4158, 8626, 8703, 8898
C_8H_{18}	2,3-Dimethylhexane. B.p. 115.8 4159, 4536
C_8H_{18}	2,4-Dimethylhexane. B.p. 109.4 6612, 12410
C_8H_{18}	2,5-Dimethylhexane. B.p. 109.4 164, 1083, 1168, 1501, 1701, 1866, 2112, 2369, 2808, 2928, 3010, 3218, 3475, 3727, 3896, 3941, 4160, 4352, 4837, 4893, 5394, 5447, 5641, 5709, 5820, 6326, 6417, 6522, 6611, 6712, 7385, 7553, 7723, 7816, 7846, 7916, 8193, 8255, 8286, 8376, 8475, 8627, 8866, 8897, 8905, 9240, 9274, 9289, 9303, 9398, 9656, 9708, 9807, 9880, 9913, 11699, 12203, 12211, 12301, 13038, 13613
C_8H_{18}	3,3-Dimethylhexane. B.p. 111.93 8476, 8628
C_8H_{18}	3,4-Dimethylhexane. B.p. 117.9 4161
C_8H_{18}	3-Ethyl-3-methylpentane. B.p. 118.26 8487
C_8H_{18}	Isooctane. B.p. 99.3 980, 8254, 11196, 13040, 16167, 16562, 734a
C_8H_{18}	2-Methyl-3-ethylpentane. B.p. 114 2809
C_8H_{18}	2-Methylheptane. B.p. 117.2 4162, 4537, 7847, 8896, 8904, 13039
C_8H_{18}	3-Methylheptane. B.p. 118.93 4163
C_8H_{18}	4-Methylheptane. B.p. 117.7 4164

In Azeotropic Data—III; Horsley, L.;
Advances in Chemistry; American Chemical Society: Washington, DC, 1973.

Formula	Name and System No.
$C_8H_{18}O$	Octyl alcohol (*continued*) 12869, 12944, 13172, 13247, 13336, 13414, 13474, 13500, 13519, 13544, 13575, 13606, 13767, 13788, 13909, 13947, 13965, 13990, 14113, 14142, 14165, 14275, 14367, 14395, 14418, 14526, 14579, 14690, 14726-14757
$C_8H_{18}O$	*sec*-Octyl alcohol. B.p. 178.7 742, 1599, 2468, 3731, 4357, 4985, 5126, 5228, 5289, 5998, 6183, 7094, 7160, 7291, 7331, 7753, 9076, 9121, 10161, 10349, 10403, 10472, 10493, 10561, 10686, 10817, 10963, 11201, 11407, 11434, 11493, 11532, 11578, 11645, 12022, 12077, 12103, 12248, 12478, 12551, 12638, 12658, 12684, 12759, 12794, 12816, 13045, 13173, 13248, 13337, 13475, 13501, 13520, 13545, 13607, 13768, 13789, 13818, 13910, 14114, 14125, 14166, 14227, 14368, 14396, 14527, 14586, 14651, 14657, 14758-14786, 16426, 16520, 16525, 16541, 16549, 16550
$C_8H_{18}OS$	2-Hexylthioethanol. 14787
$C_8H_{18}O_2$	2-Ethyl-1,3-hexanediol. B.p. 243.1 744, 4172, 14788, 16019
$C_8H_{18}O_2$	Acetaldehyde dipropyl acetal. B.p. 147.7 743, 6526, 16100
$C_8H_{18}O_2$	1-Butoxy-2-ethoxyethane. B.p. 164.2 745
$C_8H_{18}O_2$	Butyraldehyde diethyl acetal. B.p. 146.3 746
$C_8H_{18}O_2$	5-Ethoxy-3-methylpentanol. B.p. 211.7 747
$C_8H_{18}O_2$	2-Ethyl-3-methyl-1,5-pentanediol. B.p. 265.5 748
$C_8H_{18}O_2$	2-Hexyloxyethanol. B.p. 208.1 749
$C_8H_{18}O_2$	2(2-Methylpentyloxy)ethanol. B.p. 197.1 750
$C_8H_{18}O_3$	Bis(2-ethoxyethyl) ether. B.p. 186 752, 4359, 10404, 12351, 13174, 13338, 14545, 14789, 14790
$C_8H_{18}O_3$	2(2-Butoxyethoxy)ethanol. B.p. 231.2 751, 4358, 5142, 6713, 8556, 10133, 10213, 10881, 12870, 12890, 14055, 14193, 14327, 14436, 14791-14802, 16307
$C_8H_{18}O_4$	2(2(2-Ethoxyethoxy)ethoxy)ethanol. 8557
$C_8H_{18}O_4$	1,2-Bis(2-methoxyethoxy)ethane. 753
$C_8H_{18}S$	Butyl sulfide. B.p. 185.0 3361, 3732, 4609, 4718, 6184, 7233, 7292, 7481, 8800, 9077, 9354, 10405, 10494, 10562, 10818, 10964, 11435, 11681, 11747, 12174, 12479, 12491, 12836, 12839, 13249, 13339, 13415, 13790, 14167, 14228, 14528, 14587, 14803-14810
$C_8H_{18}S$	Isobutyl sulfide. B.p. 172.0 3479, 3733, 4610, 6185, 6962, 7161, 7234, 7482, 8801, 8968, 9024, 9695, 10406, 10563, 10965, 11436, 12078, 12175, 12249, 12480, 12492, 12817, 13250, 14588, 14639, 14658, 14811-14815
$C_8H_{19}N$	Dibutylamine. B.p. 159.6 754, 8197, 16148, 16193, 16478
$C_8H_{19}N$	Diisobutylamine. B.p. 138.5 11401, 11791, 11807, 13067, 13624, 13665, 14104, 14115, 14725
$C_8H_{19}N$	2-Ethylhexylamine. B.p. 169.1 755

Formula	Name and System No.
$C_9H_{10}O$	*p*-Methylacetophenone. B.p. 226.3 3738, 4366, 5144, 6003, 6187, 6716, 10215, 10606, 10821, 11046, 12444, 12588, 12740, 12893, 12947, 13176, 13341, 13557, 13691, 14057, 14089, 14144, 14194, 14257, 14278, 14437, 14478, 14504, 14548, 14622, 14702, 14827, 14916-14934
$C_9H_{10}O$	Propiophenone. B.p. 217.7 3739, 4367, 4774, 5145, 6004, 6188, 10216, 10607, 10756, 10969, 11869, 12445, 12741, 12872, 12894, 12948, 13106, 13177, 13253, 13342, 13416, 13522, 13547, 13558, 13692, 14058, 14145, 14195, 14258, 14279, 14328, 14370, 14397, 14419, 14479, 14505, 14549, 14935-14945
$C_9H_{10}O_2$	Benzyl acetate. B.p. 214.9 762, 3740, 4368, 4775, 6005, 6717, 8559, 10053, 10134, 10217, 10608, 10757, 10822, 11870, 12446, 12513, 12760, 12895, 12949, 13107, 13178, 13254, 13343, 13417, 13693, 13844, 13911, 14059, 14146, 14196, 14259, 14280, 14312, 14329, 14359, 14480, 14506, 14572, 14703, 14935, 14946-14962, 16538
$C_9H_{10}O_2$	1,2-Epoxy-3-phenoxypropane. B.p. 244.4 763
$C_9H_{10}O_2$	Ethyl benzoate. B.p. 212.4 764, 1502, 2631, 3741, 4369, 4776, 5509, 6006, 6189, 6718, 7755, 8560, 10135, 10218, 10496, 10565, 10609, 10758, 10823, 10882, 11335, 11871, 12447, 12514, 12873, 12950, 13108, 13179, 13255, 13344, 13418, 13576, 13694, 13845, 13912, 13967, 14060, 14147, 14197, 14260, 14281, 14313, 14330, 14360, 14481, 14507, 14550, 14704, 14727, 14936, 14946, 14963-14980
$C_9H_{10}O_2$	Methyl α-toluate. B.p. 215.3 765, 3742, 6007, 13109, 14061, 14963, 14979-14982
$C_9H_{10}O_3$	Ethyl salicylate. B.p. 233.7 3743, 4370, 4777, 6008, 6719, 8561, 8985, 10219, 10260, 10304, 11047, 12327, 12365, 12448, 12589, 12896, 12951, 12991, 13440, 13559, 13846, 14198, 14282, 14345, 14438, 14456, 14508, 14793, 14828, 14916, 14983-15005
$C_9H_{11}N$	5-Ethyl-2-vinylpyridine. 766
C_9H_{12}	Cumene. B.p. 152.8 767, 1706, 1869, 2115, 2470, 2604, 2698, 3039, 3224, 3481, 3744, 4173, 4371 4612, 4711, 4755, 5087, 5230, 5449, 5647, 6009, 6190, 6422, 6528, 6617, 7097, 7484, 7649, 7819, 8199, 8381, 8403, 8482, 8803, 8969, 9356, 9549, 9608, 9886, 10006, 10409, 10474, 10970, 11203, 11372, 11534, 11669, 11749, 12023, 12079, 12116, 12177, 12251, 12552, 12796, 12819, 13069, 13257, 13625, 13640, 13666, 13680, 13729, 13744, 13750, 13819, 13834, 14105, 14231, 14676, 14681, 14719, 14759, 14822, 15006-15008, 16551, 5510a
C_9H_{12}	*m*-Ethyltoluene. B.p. 161.3 10054, 11923, 14892
C_9H_{12}	*o*-Ethyltoluene. B.p. 165.1 8483, 10055
C_9H_{12}	*p*-Ethyltoluene. B.p. 162.0 10056
C_9H_{12}	Mesitylene. B.p. 164.6 768, 1707, 1870, 2116, 2471, 2632, 2699, 2930, 3040, 3225, 3482, 3559, 3745, 4174, 4372, 4613, 4712, 4763, 5128, 5231, 5291, 5648, 6010, 6191, 6423, 6529, 6618, 6720, 7098, 7162, 7235, 7293, 7485, 7650, 7820, 8200, 8382, 8484, 8804, 8970, 9025, 9079, 9122, 9357, 9465, 9550, 9609, 9729,

Formula	Name and System No.
$C_9H_{13}N$	*N,N*-Dimethyl-*p*-toluidine. B.p. 210.2 3752, 4379, 4618, 6016, 6671, 10062, 10165, 10221, 10761, 12354, 12953, 13113, 13182, 13262, 13347, 13914, 14148, 14199, 14285, 14332, 14765, 14937, 15103-15108
$C_9H_{13}NO$	5-Ethyl-2-pyridine ethanol. 771
$C_9H_{14}O$	Isophorone. B.p. 215.2 772, 15109
$C_9H_{14}O$	Phorone. B.p. 197.8 3753, 4380, 6017, 6196, 7757, 9469, 10063, 10166, 10690, 10762, 10825, 10977, 11610, 11876, 12554, 12717, 12841, 13183, 13263, 13348, 13420, 13560, 13580, 13969, 13994, 14691, 14733, 14851, 15110-15118
$C_9H_{14}OSi$	Trimethylsiloxybenzene. B.p. 181.9 10978
$C_9H_{15}O$	1-Methyl-2,5-endomethylenecyclohexane-1-methanol. B.p. 211.2 773
$C_9H_{15}N$	Triallylamine. B.p. 151.1 774
C_9H_{16}	*cis*-Hexahydroindan. B.p. 167.7 12256
$C_9H_{16}O$	5-Ethyl-3-heptene-2-one. B.p. 193.5 775
$C_9H_{16}O_2$	2,2-Bis(allyloxy)propane. 16048, 16440
$C_9H_{16}O_2$	2-Ethylbutyl acrylate. 12138
$C_9H_{16}O_2$	Hexyl acrylate. 12183
$C_9H_{16}O_4$	Dimethyl pimelate. B.p. 248.9 776
C_9H_{18}	Nonanaphthene. B.p. 136.7 3227
C_9H_{18}	Butylcyclopentane. B.p. 156.56 8487
C_9H_{18}	Isobutylcyclopentane. B.p. 147.6 8488
C_9H_{18}	Isopropylcyclohexane. B.p. 154.5 8489
C_9H_{18}	1-Nonene. B.p. 146.87 777, 1872, 8490, 15888
C_9H_{18}	Propylcyclohexane. B.p. 156.72 8491, 15119
C_9H_{18}	1,1,3-Trimethylcyclohexane. B.p. 136.6 6620
$C_9H_{18}O$	2,6-Dimethyl-4-heptanone. B.p. 168.0 778, 2118, 2474, 3228, 3362, 3754, 4381, 4683, 5234, 6018, 7236, 7490, 7654, 8059, 8971, 9027, 9361, 9553, 10011, 10414, 10979, 11402, 11442, 11755, 11808, 12026, 12118, 12184, 12555, 12799, 12823, 13264, 13645, 13772, 14611, 14638, 14643, 14661, 14805, 14812, 15120, 15121
$C_9H_{18}O$	2-Ethylheptanal. 14116

Formula	Name and System No.
$C_9H_{18}O_2$	Butyl isovalerate. B.p. 177.6 779, 2256, 2702, 4382, 6197, 7294, 8808, 9083, 9470, 10691, 10980, 11494, 11538, 11582, 12482, 12688, 12718, 12764, 13265, 13349, 14171, 14236, 14766, 14806, 14816, 15035, 15122-15130
$C_9H_{18}O_2$	Ethyl enanthate. B.p. 188.7 780, 2703, 3755, 4383, 4525, 6198, 10612, 10981, 11539, 12689, 13266, 13350, 14734, 14852, 15131-15133
$C_9H_{18}O_2$	2-Heptyl acetate. B.p. 176.4 781
$C_9H_{18}O_2$	3-Heptyl acetate. B.p. 173.8 782
$C_9H_{18}O_2$	Isoamyl butyrate. B.p. 178.5 783, 2257, 2704, 3756, 4384, 4526, 5235, 5292, 6019, 6199, 7164, 7491, 7758, 9028, 9084, 9362, 9471, 10064, 10415, 10498, 10568, 10692, 10982, 11443, 11540, 11583, 12027, 12257, 12308, 12483, 12556, 12640, 12690, 12719, 12765, 12824, 13184, 13267, 13351, 13773, 13794, 14128, 14172, 14237, 14532, 14593, 14652, 14767, 14853, 15012, 15036, 15122, 15134-15147
$C_9H_{18}O_2$	Isoamyl isobutyrate. B.p. 168.9 784, 2475, 3561, 3757, 4385, 4988, 5236, 6020, 6200, 7101, 7295, 7492, 8809, 9612, 10416, 10983, 11444, 11495, 12083, 12258, 12484, 12557, 12691, 14173, 14238, 14533, 14612, 14768, 14817, 15013, 15120, 15148-15153
$C_9H_{18}O_2$	Isobutyl isovalerate. B.p. 171.2 785, 1600, 2258, 2476, 2705, 3758, 4386, 4989, 5129, 5237, 5293, 6021, 6201, 7165, 7296, 7493, 7759, 8810, 9029, 9085, 9124, 9363, 10065, 10356, 10417, 10477, 10569, 10984, 11445, 11496, 11541, 11756, 12028, 12084, 12104, 12119, 12185, 12259, 12307, 12485, 12558, 12661, 12692, 12767, 12800, 12825, 13071, 13268, 13646, 13774, 13821, 14129, 14174, 14239, 14534, 14594, 14613, 14644, 14769, 14807, 14818, 14854, 15014, 15029, 15121, 15123, 15134, 15148, 15154-15166
$C_9H_{18}O_2$	Isobutyl valerate. B.p. 171.35 10985
$C_9H_{18}O_2$	Methyl caprylate. B.p. 192.9 786, 2706, 3759, 4387, 6202, 11300, 11446, 11542, 11877, 13269, 13352, 13581, 13745, 15110, 15167-15170
$C_9H_{18}O_2$	Pelargonic acid. B.p. 254 4778, 10222, 11049, 12898, 15171-15186
$C_9H_{18}O_3$	β-(2-Ethylbutyoxy)propionic acid. 787
$C_9H_{18}O_3$	Isobutyl carbonate. B.p. 190.3 788, 2259, 2707, 4388, 5238, 6022, 6203, 6724, 10418, 10613, 10693, 10986, 11611, 11878, 12559, 12641, 12662, 12693, 12720, 12768, 13114, 13185, 13270, 13353, 13582, 13775, 13970, 13995, 14240, 14735, 14770, 14855, 15015, 15111, 15187-15194
$C_9H_{19}NO$	*N,N*-Dimethylheptamide. 13695
C_9H_{20}	3,3-Diethylpentane. B.p. 146.17 8492
C_9H_{20}	2-Methyloctane. B.p. 135.2 3229

Formula	Name and System No.
C_9H_{20}	Nonane. B.p. 150.7 789, 1873, 2119, 2812, 3230, 5482, 5651, 5722, 6269, 6293, 7023, 8203, 8493, 8705, 8870, 11210, 11250, 12433, 13894, 14106, 14118, 14120, 14721 15006, 15195, 15889, 16056, 16149, 16209, 16372, 16376, 16382, 16494, 16564, 16565, 13462a
C_9H_{20}	2,2,3,3-Tetramethylpentane. B.p. 140.27 8494
C_9H_{20}	2,2,4,4-Tetramethylpentane. B.p. 122.28 8495
C_9H_{20}	2,3,3,4-Tetramethylpentane. B.p. 141.55 8496
C_9H_{20}	2,2,3,4-Tetramethylpentane. B.p. 133.02 6621
C_9H_{20}	2,2,3-Trimethylhexane. B.p. 133.60 8497
C_9H_{20}	2,2,4-Trimethylhexane. B.p. 126.54 8498
C_9H_{20}	2,3,3-Trimethylhexane. B.p. 137.68 8499
C_9H_{20}	2,2,5-Trimethylhexane. B.p. 120.1 2813, 9788, 9890, 14107, 1168c
C_9H_{20}	2,3,4-Trimethylhexane. B.p. 139.0 6622, 13875
C_9H_{20}	2,3,5-Trimethylhexane. B.p. 131.34 6623, 8500
C_9H_{20}	2,4,4-Trimethylhexane. B.p. 130.65 8501
C_9H_{20}	3,3,4-Trimethylhexane. B.p. 140.46 8502
$C_9H_{20}O$	2,6-Dimethyl-4-heptanol. B.p. 178.1 790, 15196
$C_9H_{20}O_2$	Dibutoxymethane. B.p. 181.8 791, 8205, 16150
$C_9H_{20}O_2$	Diisobutoxymethane. B.p. 163.8 792, 8204, 8384, 9731, 14662, 16189
$C_9H_{20}O_2$	2-Ethyl-2-butyl-1,3-propanediol. 793
$C_9H_{20}O_3$	1(2-Butoxyethoxy)-2-propanol. B.p. 230.3 794
$C_9H_{20}O_3$	2(2-Isoamyloxyethoxy)ethanol. 13876
$C_9H_{20}O_3$	2-Methoxymethyl-2,4-dimethyl-1,5-pentanediol. 795
$C_9H_{20}O_3$	1,1,3-Triethoxypropane. 796
$C_9H_{20}O_4$	Tripropylene glycol. 15197-15199
$C_9H_{21}BO_3$	Isopropyl borate. B.p. 140.8 6425
$C_9H_{21}N$	*N*-Methyldibutylamine. B.p. 163.1 797
$C_9H_{21}N$	Tripropylamine. B.p. 156 798

Formula	Name and System No.
$C_9H_{21}NO_2$	1,1′-Isopropyliminodi-2-propanol. B.p. 248.6 799
$C_9H_{21}NO_3$	1,1′1″-Nitrilotri-2-propanol. 12429
$C_9H_{21}NO_4$	2(2(2(3-Aminopropoxy)ethoxy)ethoxy)ethanol. 800
$C_{10}H_7Br$	1-Bromonaphthalene. B.p. 281.8 3760, 4389, 6023, 6725, 8564, 11050, 11099, 12366, 12590, 13848, 14107, 15171, 15200-15213
$C_{10}H_7Cl$	1-Chloronaphthalene. B.p. 262.7 3761, 4390, 6024, 6726, 8565, 10280, 11051, 11100, 11879, 12367, 12449, 12591, 12994, 13186, 13696, 13849, 13930, 14018, 14347, 14459, 14623, 14794, 14870, 15076, 15172, 15214-15237
$C_{10}H_8$	Naphthalene. B.p. 218.1 66, 801, 2390, 2634, 2708, 3483, 3762, 4391, 4619, 4764, 4779, 5239, 5294, 6025, 6672, 6727, 7102, 7494, 7760, 8566, 8811, 8986, 9086, 9364, 9472, 10066, 10137, 10223, 10261, 10614, 10763, 10826, 10987, 11101, 11211 11301, 11336, 11447, 11543, 11612, 11757, 11880, 11963, 12309, 12328, 12355, 12450, 12515, 12560, 12592, 12842, 12899, 12954, 13115, 13187, 13271, 13305, 13354, 13421, 13442, 13478, 13502, 13524, 13548, 13561, 13583, 13697, 13850, 13915, 13948, 13971, 13996, 14019, 14063, 14090, 14149, 14200, 14286, 14333, 14348, 14362, 14374, 14399, 14417, 14431, 14440, 14482, 14509, 14551, 14573, 14624, 14692, 14736, 14795, 14831, 14871, 14894, 14918, 14938, 14947, 14964, 15043, 15046, 15077, 15092, 15103, 15173, 15238-15271, 15833, 16545-16548
$C_{10}H_8N_2$	2,2′-Dipyridyl. B.p. 274 8871
$C_{10}H_8O$	1-Naphthol. B.p. 288 3763, 8567, 11102, 11267, 13851, 14020, 15200, 15214, 15272-15288
$C_{10}H_8O$	2-Naphthol. B.p. 290 3764, 11103, 11130, 15201, 15215, 15289-15295
$C_{10}H_9N$	1-Naphthylamine. B.p. 300.8 3765, 6026, 15272, 15298-15301
$C_{10}H_9N$	2-Naphthylamine. B.p. 306.1 15273, 15302, 15303
$C_{10}H_9N$	Quinaldine. B.p. 246.5 3766, 6027, 8568, 10305, 11053, 12329, 13852, 14287, 14796, 14825, 15296, 15304-15306
$C_{10}H_9N$	4-Methylquinoline. B.p. 265.6 15296, 15297
$C_{10}H_9N$	7-Methylquinoline. B.p. 257.7 15297
$C_{10}H_{10}O_2$	Isosafrole. B.p. 252.0 802, 3767, 4392, 6028, 6728, 8732, 10281, 11054, 11104, 11268, 12330, 12368, 12593, 12995, 13443, 13853, 13931, 14021, 14349, 14441, 14460, 14832, 14872, 14895, 14983, 15047, 15078, 15174, 15216, 15307-15323
$C_{10}H_{10}O_2$	Methyl cinnamate. B.p. 261.9 803, 3768, 4393, 6029, 6729, 8570, 10615, 11055, 11105, 12369, 12594, 13854, 13932, 14022, 14873, 14896, 15079, 15202, 15217, 15274, 15307, 15324-15339
$C_{10}H_{10}O_2$	Safrole. B.p. 235.9 804, 3769, 4394, 6030, 6730, 8571, 8987, 10282, 10306, 10616, 10988, 11056, 11269, 12331, 12370, 12595, 12900, 12955, 12996, 13116, 13444,

Formula	Name and System No.
$C_{10}H_{10}O_2$	Safrole (*continued*) 13698, 13855, 13879, 13933, 14064, 14091, 14201, 14442, 14461, 14483, 14510, 14552, 14625, 14833, 14874, 14897, 14919, 14984, 15048, 15080, 15175, 15238, 15304, 15340-15364
$C_{10}H_{10}O_4$	Methyl phthalate. B.p. 283.2 805, 3770, 4395, 6031, 6731, 8572, 11106, 12371, 13856, 14023, 15203, 15218, 15289, 15365-15374
$C_{10}H_{12}$	1,2,3,4-Tetrahydronaphthalene. 806
$C_{10}H_{12}O$	Anethole. B.p. 235.7 807, 3771, 4396, 6032, 6732, 8573, 8988, 10617, 11057, 11270, 12332, 12372, 12596, 13117, 13857, 14024, 14202, 14443, 14462, 14484, 14511, 14626, 14834, 14875, 14920, 15049, 15239, 15340, 15375-15387
$C_{10}H_{12}O$	Estragole. B.p. 215.6 808, 3772, 4397, 6733, 10224, 11337, 12356, 12451, 12737, 13188, 13422, 14965, 15388
$C_{10}H_{12}O_2$	Ethyl α-toluate. B.p. 228.75 809, 3773, 4398, 6033, 6205, 6734, 8574, 10225, 10307, 10499, 10618, 10827, 11058, 12452, 12998, 13189, 13355, 13699, 14065, 14203, 14288, 14485, 14553, 14627, 14921, 14985, 15050, 15240, 15341, 15389-15407
$C_{10}H_{12}O_2$	Eugenol. B.p. 255 3774, 4399, 6034, 6735, 11059, 11107, 11271, 12597, 12997, 13880, 14025, 14835, 15051, 15081, 15176, 15219, 15308, 15324, 15408-15421
$C_{10}H_{12}O_2$	Isoeugenol. B.p. 268.8 3775, 4400, 6736, 11108, 11272, 13881, 14026, 14876, 14898, 15220, 15325, 15422-15433
$C_{10}H_{12}O_2$	Propyl benzoate. B.p. 230.85 810, 3776, 4401, 4780, 6035, 6206, 6737, 8575, 8989, 10226, 10262, 10308, 10500, 10619, 10828, 11060, 12453, 12598, 12901, 12956, 12999, 13356, 13858 14066, 14150, 14204, 14289, 14512, 14922, 14986, 15052, 15241, 15342, 15375, 15389, 15434-15448
$C_{10}H_{12}O_3$	2-Phenoxyethyl acetate. B.p. 260.6 811
$C_{10}H_{14}$	Butylbenzene. B.p. 183.1 2260, 2391, 2635, 2709, 3042, 3777, 4402, 4620, 5146, 5240, 5652, 6207, 6426, 6532, 6738, 7103, 7297, 9495, 7655, 7761, 8207, 8576, 8812, 9087, 9365, 9554, 9891, 10012, 10067, 10419, 10501, 10694, 10989, 11212, 11302, 11448, 11544, 11651, 11758, 12029, 12186, 12260, 12357, 12561, 12663, 12721, 13190, 13357, 13503, 13525, 13647, 14175, 14535, 14595, 14771, 14808, 15112, 15131, 15135, 15154, 15167, 15449-15458, 16551
$C_{10}H_{14}$	*sec*-Butylbenzene. B.p. 173.1 10068, 10990, 12261
$C_{10}H_{14}$	*tert*-Butylbenzene. B.p. 168.5 10069, 12262
$C_{10}H_{14}$	Cymene. B.p. 176.7 2120, 2261, 2392, 2477, 2636, 2710, 2931, 3231, 3485, 3778, 4176, 4403, 4621, 4765, 4990, 5130, 5147, 5241, 5295, 5653, 6036, 6208, 6427, 6531, 6624, 6739, 7104, 7166, 7298, 7496, 7656, 7823, 8206, 8385, 8503, 8577, 8813, 9030, 9088, 9125, 9366, 9473, 9555, 9892, 10013, 10070, 10420, 10570, 10695, 10991, 11213, 11449, 11497, 11545, 11652, 11658, 11759, 11881, 11964, 12030, 12085, 12120, 12263, 12310, 12562, 12694, 12722, 12769, 12826, 13118, 13191, 13272, 13358, 13479, 13526, 13584, 13648, 13776, 13795, 13822, 13972, 13997, 14176, 14241, 14375, 14536, 14596, 14614, 14663, 14737, 14772, 14856, 15016, 15030, 15037, 15093, 15136, 15149, 15155, 15449, 15459-15468, 16497

Formula	Name and System No.
$C_{10}H_{16}$	Camphene. B.p. 159.6 821, 1415, 1709, 2121, 2478, 2711, 3943, 3232, 3486, 3784, 4177, 4408, 4623, 4991, 5242, 5296, 5450, 5654, 6042, 6209, 6428, 6533, 6625, 6744, 7049, 7105, 7167, 7222, 7497, 7657, 7824, 8208, 8386, 8504, 8814, 8972, 9031, 9089, 9126, 9367, 9474, 9556, 9613, 9687, 9732, 9893, 10014, 10421, 10478, 10992, 11138, 11214, 11375, 11450, 11498, 11546, 11613, 11659, 11670, 11760, 11835, 12031, 12045, 12086, 12121, 12187, 12264, 12311, 12426, 12563, 12770, 12801, 12827, 13072, 13121, 13274, 13480, 13585, 13627, 13649, 13730, 13777, 13796, 13824, 13836, 13998, 14130, 14242, 14376, 14537, 14597, 14615, 14645, 14664, 14677, 14685, 14740, 14774, 14813, 14819, 15017, 15025, 15094, 15124, 15137, 15150, 15156, 15187, 15459, 15554-15560, 16601
$C_{10}H_{16}$	Dipentene. B.p. 177.7 2479, 3044, 3785, 4626, 5131, 5148, 6043, 7168, 7299, 8822, 9032, 9475, 10015, 10077, 10357, 10696, 11215, 11303, 11451, 11547, 11585, 11653, 11965, 12265, 12312, 12359, 12664, 12828, 13481, 13586, 13650, 13778, 13825, 14243, 14377, 14538, 14598, 14790, 14857, 15038, 15132, 15151, 15168, 15188, 15460, 15554, 15561-15565
$C_{10}H_{16}$	*d*-Limonene. B.p. 177.8 1710, 2122, 2262, 2393, 2712, 3786, 4178, 4409, 4527, 4992, 5243, 5297, 5451, 5655, 6044, 6210, 6429, 6534, 6745, 7106, 7498, 7658, 7825, 8209, 8387, 8815, 9033, 9090, 9368, 9557, 9894, 10422, 10571, 10993, 11216, 11452, 11548, 11614, 11646, 11761, 11882, 11966, 12087, 12122, 12188, 12313, 12564, 12695, 12723, 12771, 13122, 13194, 13275, 13361, 13482, 13587, 13608, 13797, 13949, 13973, 13999, 14244, 14378, 14539, 14555, 14575, 14599, 14616, 14741, 14775, 14858, 15125, 15138, 15157, 15189, 15461, 15566-15572, 16350, 16351, 16415, 16427, 16429-16431, 16456, 16496, 16498, 16504, 16514, 16517, 16521, 16524, 16525, 16527, 16528, 16530, 16532, 16536, 16539, 16541, 16549
$C_{10}H_{16}$	Nopinene. B.p. 163.8 1417, 2481, 2713, 3787, 4410, 5244, 5298, 5656, 6045, 6626, 6747, 7107, 7169, 7237, 7499, 7659, 7826, 8210, 8388, 8505, 8817, 9091, 9369, 9476, 9558, 9614, 9688, 9733, 10078, 10358, 10423, 10479, 10994, 11217, 11376, 11453, 11549, 11836, 11883, 12032, 12046, 12088, 12123, 12189, 12266, 12565, 12772, 12802, 12829, 13073, 13195, 13276, 13362, 13483, 13588, 13731, 13779, 13798, 13826, 13837, 14000, 14131, 14245, 14379, 14617, 14665, 14672, 14686, 14742, 14776, 15018, 15026, 15126, 15139, 15462, 15556, 15573, 15574, 16457, 16529
$C_{10}H_{16}$	α-Phellandrene. B.p. 171.5 2714, 5246, 5657, 7108, 7500, 7661, 9034, 9370, 9895, 10995, 11139, 11218, 11454, 11762, 12089, 12566, 12773, 13277, 14777, 15575
$C_{10}H_{16}$	α-Pinene. B.p. 155.8 1416, 2123, 2480, 2715, 3233, 3788, 4179, 4411, 4624, 4947, 4993, 5088, 5132, 5247, 5299, 5452, 5658, 6046, 6430, 6535, 6627, 6746, 7050, 7109, 7170, 7223, 7332, 7501, 7660, 7827, 8211, 8287, 8389, 8506, 8816, 8973, 9035, 9092, 9127, 9371, 9477, 9559, 9616, 9689, 9734, 9810, 9896, 10016, 10424, 10480, 10572, 10996, 11140, 11219, 11304, 11377, 11455, 11499, 11550, 11615, 11660, 11671, 11763, 11837, 12033, 12047, 12090, 12124, 12190, 12267, 12314, 12567, 12803, 12830, 13074, 13123, 13278 13363, 13484, 13589, 13628, 13651, 13667, 13674, 13681, 13732, 13751, 13758, 13799, 14246, 14380, 14540, 14576, 14600, 14618, 14646, 14666, 14673, 14678, 14720, 14743, 14778, 14814, 14820, 15007, 15019, 15027, 15095, 15127, 15133, 15152, 15158, 15190, 15555, 15561, 15576-15578, 16452, 16454, 16458-16460, 16473, 16474, 16500, 16502, 16503, 16526, 16531

In Azeotropic Data—III; Horsley, L.;
Advances in Chemistry; American Chemical Society: Washington, DC, 1973.

Formula	Name and System No.
$C_{10}H_{16}$	α-Terpinene. B.p. 173.4 2268, 2482, 2716, 3234, 3487, 3789, 4180, 4412, 4625, 5245, 5300, 5659, 6047, 6211, 6431, 6536, 6748, 7111, 7171, 7238, 7502, 7662, 7828, 8507, 8818, 9093, 9372, 9478, 9615, 10017, 10079, 10359, 10425, 10573, 10697, 10997, 11220, 11305, 11378, 11456, 11551, 11616, 11764, 12034, 12091, 12125, 12191, 12268, 12568, 12665, 12696, 12724, 12774, 12804, 12831, 13075, 13124, 13196, 13279, 13364, 13485, 13590, 13652, 13780, 13827, 13974, 14001, 14132, 14177, 14247, 14381, 14541, 14601, 14619, 14647, 14674, 14688, 14744, 14779, 15020, 15140, 15159, 15450, 15463, 15562, 15573, 15576, 15579-15582
$C_{10}H_{16}$	α-Terpinene. B.p. 183 3790, 4413, 5248, 5301, 6212, 7112, 7503, 8819, 9373, 9479, 10426, 11221, 11552, 11617, 11765, 12569, 12697, 12725, 12775, 13365, 13950, 13975, 14002, 14248, 14556, 14602, 14745, 14949, 15141, 15160, 15583-15585
$C_{10}H_{16}$	Terpinene. B.p. 181.5 2718, 7110, 9036, 9094, 9374, 10427, 10698, 10998, 11457, 11766, 13125, 13280, 13366, 13591, 13800, 14780, 15566, 16518, 16537, 16540, 16550
$C_{10}H_{16}$	Terpinolene. B.p. 185 2264, 2717, 3791, 4414, 5249, 5302, 5660, 6749, 7113, 7300, 7504, 8820, 9095, 9375, 9480, 9560, 9897, 10018, 10428, 10999, 11065, 11222, 11458, 11553, 11618, 11767, 11884, 12035, 12570, 12698, 12726, 12776, 13126, 13281, 13367, 13454, 13486, 13549, 13801, 14178, 14382, 14401, 14781, 15142, 15161, 15451, 15586, 15587
$C_{10}H_{16}$	Terpinylene. B.p. 175 7114, 7505
$C_{10}H_{16}$	Thymene. B.p. 179.7 1711, 2124, 2265, 3792, 4181, 4415, 5250, 5303, 5661, 6432, 6750, 7115, 7506, 7663, 8212, 8390, 8821, 9096, 9376, 9561, 9898, 10429, 11000, 11223, 11554, 11619, 11768, 11885, 12699, 12727, 12777, 13127, 13197, 13282, 13368, 14003, 14383, 14557, 14746, 14782, 15588-15593
$C_{10}H_{16}O$	Camphor. B.p. 209.1 3793, 4416, 5847, 6048, 6213, 6673, 8580, 10080, 10139, 10502, 10623, 10766, 10832, 11001, 11224, 11886, 11967, 12516, 12843, 12960, 13128, 13198, 13283, 13369, 13424, 13504, 13527, 13550, 13592, 13951, 13976, 14261, 14292, 14336, 14384, 14402, 14421, 14488, 14558, 14695, 14747, 14950, 14968, 15096, 15246, 15388, 15507, 15538, 15594-15603
$C_{10}H_{16}O$	Carvenone. B.p. 234.5 3794, 11002, 14447, 14466, 15394, 15437, 15475, 15508, 15604, 15605
$C_{10}H_{16}O$	Citral. B.p. 226 15247, 15438, 15539, 15606, 15607
$C_{10}H_{16}O$	Dicyclopentenol. 822
$C_{10}H_{16}O$	Fenchone. B.p. 193 2266, 3235, 3795, 6214, 10699, 10767, 10833, 11003, 11225, 11459, 12571, 12642, 12728, 12844, 13284, 13370, 13425, 14385, 15039, 15608
$C_{10}H_{16}O$	Menthenone. B.p. 222.5 15348, 15409, 15476
$C_{10}H_{16}O$	Pulegone. B.p. 223.8 3796, 4417, 4783, 6049, 10232, 10768, 11066, 12742, 12906, 12961, 13371, 13505, 14070, 14209, 14337, 14448, 14489, 14516, 14559, 14951, 14979, 14990, 15248, 15349, 15380, 15395, 15439, 15477, 15509, 15540, 15609-15617

Formula	Name and System No.
$C_{10}H_{16}O$	Trimethyltetrahydrobenzaldehyde. B.p. 204.5 823
$C_{10}H_{16}O_4$	Diisopropyl maleate. B.p. 228.7 824
$C_{10}H_{17}Cl$	Bornyl chloride. B.p. 207.5 3797, 7507, 10624, 10769, 11620, 11887, 12962, 13285, 13372, 13593, 13977, 14577, 14696, 14952, 14969, 15249, 15609, 15618
$C_{10}H_{18}$	Decahydronaphthalene. 15619
$C_{10}H_{18}$	*m*-Menthene-8. B.p. 170.8 2483, 4418, 7116, 9037, 9097, 11004, 11141, 11226, 11460, 11555, 11769, 12778, 12832, 15031, 15162, 16533
$C_{10}H_{18}O$	Borneol. B.p. 213.4 3798, 4419, 4784, 6050, 6215, 7762, 10081, 10140, 10233, 10625, 10770, 10834, 11005, 11306, 11338, 12517, 12907, 12963, 13003, 13129, 13199, 13286, 13373, 13426, 13487, 13506, 13528, 13551, 13918, 13952, 13978, 14004, 14071, 14210, 14293, 14314, 14338, 14364, 14386, 14403, 14490, 14560, 14706, 14859, 14942, 14953, 14970, 14980, 14991, 15097, 15250, 15350, 15452, 15493, 15510, 15541, 15567, 15577, 15588, 15595, 15610, 15620-15626
$C_{10}H_{18}O$	Cineol. B.p. 176.35 825, 1601, 2267, 2484, 2719, 3799, 4420, 4627, 5304, 5662, 6051, 6216, 7117, 7172, 7301, 7508, 7664, 7763, 8508, 8823, 8974, 9038, 9098, 9377, 9481, 10019, 10082, 10360, 10430, 11006, 11227, 11307, 11461, 11500, 11556, 11621, 11661, 11770, 11968, 12036, 12092, 12192, 12269, 12315, 12333, 12360, 12427, 12486, 12572, 12666, 12700, 12729, 12779, 12833, 13287, 13374, 13459, 13488, 13529, 13653, 13781, 13802, 13828, 14005, 14179, 14249, 14387, 14542, 14603, 14620, 14648, 14653, 14667, 14748, 14783, 14809, 14860, 15032, 15098, 15128, 15143, 15153, 15163, 15191, 15453, 15464, 15568, 15575, 15579, 15583, 15589, 15627-15630, 16499
$C_{10}H_{18}O$	Citronellal. B.p. 208.0 3800, 4421, 6052, 7764, 9482, 10083, 10771, 11308, 11339, 11888, 12270, 12518, 12643, 12738, 12964, 13130, 13200, 13288, 13375, 13427, 13919, 13953, 13979, 14006, 14133, 14152, 14211, 14294, 14491, 14517, 14697, 14749, 14954, 14971, 15040, 15454, 15596, 15631-15634
$C_{10}H_{18}O$	Geraniol. B.p. 229.6 3801, 4422, 6053, 10084, 10234, 10626, 10772, 11067, 11340, 12908, 12965, 13004, 13201, 13376, 13428, 13887, 14072, 14350, 14404, 14492, 14561, 14707, 14797, 14926, 14992, 15058, 15104, 15251, 15351, 15396, 15440, 15478, 15494, 15511, 15533, 15542, 15606, 15635-15642
$C_{10}H_{18}O$	Linalool. B.p. 199 826, 2268, 3802, 4423, 5251, 6054, 6217, 8824, 9099, 10361, 10627, 10700, 10773, 11009, 11228, 11341, 11557, 11622, 11662, 12271, 12701, 12730, 12780, 12966, 13202, 13377, 13429, 13489, 13530, 13594, 13609, 13803, 13920, 13954, 13980, 14007, 14073, 14295, 14388, 14405, 14698, 14750, 14861, 14972, 15021, 15041, 15074, 15099, 15144, 15192, 15252, 15455, 15465, 15512, 15543, 15557, 15569, 15580, 15590, 15597, 15643-15645
$C_{10}H_{18}O$	Menthone. B.p. 209.5 4424, 6674, 10141, 10774, 10835, 11010, 12519, 12644, 13131, 13378, 13490, 13507, 13552, 14406, 14751, 15479, 15513, 15598, 15620, 15646

Formula	Name and System No.
$C_{10}H_{18}O$	*α*-Terpineol. B.p. 217.8 3803, 4425, 6055, 6218, 6751, 8581, 10085, 10235, 10628, 10775, 10836, 11011, 11342, 12909, 12967, 13005, 13132, 13290, 13379, 13430, 13508, 13531, 13955, 14074, 14153, 14212, 14296, 14315, 14389, 14407, 14449, 14493, 14518, 14708, 14839, 14927, 14955, 14973, 14981, 14993, 15253, 15352, 15381, 15397, 15441, 15466, 15480, 15514, 15544, 15591, 15611, 15621, 15627, 15631, 15635, 15647-15652
$C_{10}H_{18}O$	*β*-Terpineol. B.p. 210.5 3804, 4426, 6219, 7341, 10629, 10776, 10837, 11012, 11229, 12968, 13006, 13291, 13380, 13491, 13509, 13532, 13921, 13981, 14008, 14862, 14956, 14974, 15100, 15254, 15545, 15653-15655
$C_{10}H_{18}O_2$	Vinyl 2-ethylhexanoate. B.p. 185.2 827
$C_{10}H_{18}O_2$	Vinyl octanoate. 828
$C_{10}H_{18}O_4$	Propyl succinate. B.p. 250.5 4427, 11109, 12603, 14027, 15178, 15223, 15255, 15310, 15353, 15481, 15515, 15656-15662
$C_{10}H_{19}N$	Bornylamine. B.p. 199.8 10362, 12702
$C_{10}H_{20}$	Butylcyclohexane. B.p. 180.95 12272
$C_{10}H_{20}$	*sec*-Butylcyclohexane. B.p. 179.3 12273
$C_{10}H_{20}$	*tert*-Butylcyclohexane. B.p. 171.5 8509
$C_{10}H_{20}$	1-Decene. B.p. 172.0 829, 1874, 2814, 15890
$C_{10}H_{20}$	Isobutylcyclohexane. B.p. 171.3 12274
$C_{10}H_{20}$	*cis*-1-Methyl-4-isopropylcyclohexane. B.p. 172.7 12275
$C_{10}H_{20}$	*trans*-1-Methyl-4-isopropylcyclohexane. B.p. 170.5 12276
$C_{10}H_{20}O$	Citranellol. B.p. 224.4 3805, 4428, 6057, 8582, 10236, 10630, 10777, 10838, 11013, 11110, 12910, 12969, 13381, 13936, 14075, 14390, 14408, 14433, 14519, 14709, 14928, 14957, 14994, 15059, 15256, 15354, 15382, 15398, 15410, 15442, 15495, 15516, 15534, 15546, 15632, 15663-15667
$C_{10}H_{20}O$	2-Ethylhexyl vinyl ether. B.p. 177.7 830, 16192
$C_{10}H_{20}O$	Menthol. B.p. 216.4 3806, 4429, 5149, 6056, 6220, 6752, 7765, 10086, 10142, 10237, 10631, 10778, 10839, 11014, 11273, 11623, 12520, 12874, 12911, 12970, 13007, 13133, 13203, 13292, 13382, 13431, 13492, 13510, 13533, 13553, 13563, 13922, 13956, 13982, 14076, 14213, 14297, 14316, 14339, 14391, 14409, 14422, 14450, 14494, 14562, 14840, 14863, 14929, 14958, 14975, 14982, 14995, 15257, 15383, 15399, 15443, 15456, 15496, 15517, 15547, 15570, 15592, 15599, 15612, 15622, 15633, 15646, 15647, 15668-15674
$C_{10}H_{20}O$	Octyl vinyl ether. 14752
$C_{10}H_{20}OS$	2-Hexylthioethyl vinyl ether. 4430, 14787

Formula	Name and System No.
$C_{10}H_{20}O_2$	Capric acid. B.p. 268.8 11068, 11111, 15224, 15258, 15311, 15327, 15675-15679
$C_{10}H_{20}O_2$	Ethyl octanoate. B.p. 208.35 833, 3807, 4431, 6058, 6221, 6753, 7767, 10632, 10840, 11309, 11624, 12645, 12875, 13134, 13293, 13383, 13432, 13983, 14009, 14077, 14298, 14340, 14699, 14710, 14753, 15259, 15668, 15680-15682
$C_{10}H_{20}O_2$	2-Ethylbutyl butyrate. B.p. 199.6 831
$C_{10}H_{20}O_2$	2-Ethylhexyl acetate. B.p. 198.4 832, 14722
$C_{10}H_{20}O_2$	Isoamyl isovalerate. B.p. 193.5 834, 2269, 2720, 3808, 4432, 4528, 5252, 5305, 5663, 6060, 6222, 6754, 7118, 7766, 9039, 9100, 9378, 9483, 10087, 10167, 10363, 10503, 10633, 10701, 11015, 11310, 11343, 11462, 11558, 11586, 11625, 11889, 11969, 12487, 12521, 12703, 12731, 13135, 13204, 13294, 13384, 13595, 13782, 13957, 13984, 14180, 14250, 14262, 14365, 14754, 14864, 15042, 15115, 15169, 15260, 15571, 15584, 15586, 15593, 15628, 15643, 15683-15687
$C_{10}H_{20}O_2$	Isoamyl valerate. B.p. 192.7 3809
$C_{10}H_{20}O_2$	Methyl pelargonate. B.p. 213.5 836, 3810, 4433, 6059, 6223, 6755, 10238, 10841, 11890, 12971, 13205, 13433, 13923, 14495, 14563, 14943, 15518, 15688
$C_{10}H_{20}O_2$	4-Methyl-2-pentyl butyrate. B.p. 182.6 835
$C_{10}H_{20}O_3$	2-Butoxyethyl 2-vinyloxyethyl ether. B.p. 226.7 837
$C_{10}H_{20}O_3$	2,2-Dipropoxy-3-butanone. B.p. 196 838
$C_{10}H_{20}O_4$	2(2-Butoxyethoxy)ethyl acetate. B.p. 245.3 839, 12604, 14902, 15060, 15328, 15400, 15444, 15689-15692
$C_{10}H_{21}Cl$	Chlorodecane. B.p. 210.6 840
$C_{10}H_{21}N$	*N*-Butylcyclohexylamine. B.p. 209.5 841
$C_{10}H_{21}NO$	*N,N*-Dimethyloctanamide. 14630
$C_{10}H_{22}$	Decane. B.p. 173.3 842, 1875, 2126, 2485, 2721, 2815, 3237, 4434, 5396, 5664, 6061, 6628, 6756, 7024, 7665, 8213, 8872, 9379, 11016, 11230, 13467, 13534, 14543, 15033, 15581, 15619, 15891, 16210, 16373, 16377, 16380
$C_{10}H_{22}$	2,7-Dimethyloctane. B.p. 160.1 843, 1418, 1712, 2125, 2722, 3236, 3488, 3811, 4182, 4435, 4994, 5253, 5665, 6224, 6433, 6629, 6757, 7119, 7509, 7666, 7829, 8214, 8391, 8510, 8825, 9101, 9380, 9562, 9617, 9735, 9899, 10020, 10481, 11017, 11231, 11379, 11463, 11559, 11771, 12037, 12126, 12193, 12316, 12573, 12834, 13076, 13295, 13654, 14668, 14689, 14784, 15022, 15164, 15558, 15578
$C_{10}H_{22}$	3-Ethyl-3-methylheptane. B.p. 163.0 8706
$C_{10}H_{22}$	3,3,5-Trimethylheptane. B.p. 155.5 12277, 15693

Formula	Name and System No.
$C_{10}H_{22}O$	Amyl ether. B.p. 187.4 123, 844, 2723, 3813, 4437, 4628, 6062, 6225, 7302, 7510, 7768, 8826, 9040, 9102, 9381, 9484, 9772, 10021, 10088, 10364, 10431, 11018, 11232, 11464, 11560, 11587, 11663, 11772, 11970, 12278, 12361, 12488, 12574, 13296, 13385, 13460, 13655, 13783, 14392, 14785, 14865, 15129, 15145, 15165, 15457, 15563, 16217
$C_{10}H_{22}O$	Decyl alcohol. B.p. 232.9 845, 3812, 4436, 6063, 10089, 10239, 10779, 10842, 11069, 12912, 12972, 13008, 13046, 14078, 14154, 14410, 14451, 14520, 14711, 14798, 14930, 14996, 15061, 15105, 15261, 15355, 15384, 15401, 15445, 15482, 15497, 15519, 15535, 15548, 15636, 15694-15704, 16241
$C_{10}H_{22}O$	2-Ethyloctanol. B.p. 220.5 846
$C_{10}H_{22}O$	Isoamyl ether. B.p. 172.6 124, 847, 1602, 2486, 2724, 3045, 3489, 3562, 3814, 4438, 4629, 4720, 5254, 5666, 6064, 6226, 7120, 7173, 7303, 7511, 7667, 7769, 8511, 8827, 8894, 9041, 9103, 9128, 9382, 9485, 9900, 10022, 10090, 10365, 10432, 10504, 10574, 11019, 11233, 11311, 11465, 11501, 11561, 11588, 11626, 11664, 11773, 11971, 12038, 12093, 12127, 12194, 12279, 12317, 12334, 12428, 12489, 12575, 12704, 12781, 13206, 13297, 13386, 13461, 13493, 13656, 13784, 13804, 13829, 14010, 14181, 14251, 14393, 14544, 14621, 14649, 14654, 14669, 14755, 14786, 14810, 14815, 14821, 14866, 15023, 15034, 15130, 15146 15166, 15193, 15467, 15572, 15574, 15585, 15585, 15629, 15683, 15705, 16228, 152a
$C_{10}H_{22}O$	2-Propylheptanol. B.p. 217.9 848
$C_{10}H_{22}OS$	2(2-Ethylhexylthio)ethanol. 15706
$C_{10}H_{22}O_2$	Acetaldehyde dibutyl acetal. B.p. 188.8 849, 8215, 12280, 16151
$C_{10}H_{22}O_2$	Acetaldehyde diisobutyl acetal. B.p. 171.3 850, 8392, 16190
$C_{10}H_{22}O_2$	1,2-Dibutoxyethane. B.p. 203.6 851
$C_{10}H_{22}O_3$	Dipropylene glycol butyl ether. 6674a
$C_{10}H_{22}O_3$	2(2-Hexyloxyethoxy)ethanol. B.p. 259.1 852
$C_{10}H_{22}O_3$	Isoamyl carbonate. B.p. 232.2 4439, 12457, 15536
$C_{10}H_{22}O_4$	1,2-Bis(2-ethoxyethoxy)ethane. B.p. 246.9 853
$C_{10}H_{22}O_4$	Tripropylene glycol methyl ether. B.p. 243 4440, 6675, 15707
$C_{10}H_{22}O_5$	Bis(2(2-Methoxyethoxy)ethyl) ether. 854
$C_{10}H_{22}S$	Isoamyl sulfide. B.p. 214.8 3815, 6065, 10266, 10505, 10634, 10780, 10843, 11020, 11344, 11891, 11972, 12876, 12973, 13136, 13298, 13434, 13924, 14155, 14263, 14299, 14317, 14341, 14700, 14756, 15116, 15262, 15600, 15618, 15680, 15708-15710
$C_{10}H_{23}N$	Decylamine. B.p. 203.7 855

Formula	Name and System No.
$C_{10}H_{23}N$	Diamylamine. B.p. 190 856
$C_{10}H_{23}N$	*N,N*-Dimethyl-2-ethylhexylamine. B.p. 176.1 857
$C_{10}H_{23}N$	Diisoamylamine. B.p. 188.2 14182, 14252, 14867, 15468, 15559, 15564, 15630, 15705
$C_{10}H_{23}NO$	2-Dibutylaminoethanol. B.p. 228.7 858
$C_{11}H_{10}$	1-Methylnaphthalene. B.p. 245.1 859, 3816, 4441, 4630, 6066, 6227, 6758, 8583, 8992, 10267, 10312, 10844, 11070, 11112, 11260, 11274, 11892, 12373, 12605, 12913, 12974, 13009, 13137, 13448, 13859, 14028, 14079, 14214, 14351, 14452, 14467, 14564, 14631, 14799, 14841, 14879, 14903, 14997, 15062, 15082, 15179, 15194, 15225, 15275, 15312, 15329, 15356, 15385, 15402, 15411, 15446, 15483, 15498, 15520, 15637, 15648, 15656, 15669, 15675, 15694, 15711-15724
$C_{11}H_{10}$	2-Methylnaphthalene. B.p. 241.15 2637, 2725, 3817, 4442, 4631, 4766, 6067, 6228, 6759, 8584, 8993, 10091, 10285, 10313, 10635, 10845, 11071, 11113, 11131, 11234, 11261, 11345, 11893, 12335, 12362, 12374, 12606, 12914, 12975, 13010, 13138, 13207, 13306, 13387, 13449, 13564, 13830, 13860, 14029, 14080, 14095, 14352, 14434, 14453, 14468, 14496, 14521, 14565, 14632, 14650, 14712, 14800, 14826, 14842, 14880, 14931, 14959, 14998, 15063, 15083, 15109, 15180, 15226, 15276, 15313, 15330, 15357, 15386, 15403, 15412, 15422, 15447, 15499, 15521, 15549, 15649, 15657, 15663, 15670, 15676, 15695, 15707, 15711, 15725-15731
$C_{11}H_{12}O_2$	Ethyl cinnamate. B.p. 272 860, 3818, 4443, 6068, 6760, 8585, 11072, 11114, 12375, 14030, 14904, 15084, 15204, 15227, 15290, 15365, 15423, 15732-15740
$C_{11}H_{14}OS$	2(Benzylthio)ethyl vinyl ether. 8586, 15075
$C_{11}H_{14}O_2$	1-Allyl-3,4-dimethoxybenzene. B.p. 255 861, 3819, 4444, 6069, 6761, 8587, 8734, 11073, 11115, 11275, 12336, 12376, 12607, 13450, 13883, 13937, 14031, 14469, 14843, 14881, 15228, 15314, 15331, 15358, 15413, 15522, 15658, 15712, 15741-15747
$C_{11}H_{14}O_2$	Butyl benzoate. B.p. 249.8 862, 3820, 4445, 6070, 6762, 8589, 10286, 10314, 10636, 11074, 12377, 12608, 13011, 13861, 13938, 14032, 14320, 14882, 14905, 15085, 15229, 15315, 15359, 15414, 15484, 15523, 15659, 15713, 15725, 15741, 15748-15750
$C_{11}H_{14}O_2$	1,2-Dimethoxy-4-Propylbenzene. B.p. 270.5 863, 3821, 4446, 6071, 6763, 8588, 11075, 11116, 11276, 12609, 13884, 13939, 14033, 14470, 14883, 15181, 15205, 15230, 15278, 15332, 15366, 15424, 15732, 15751-15757
$C_{11}H_{14}O_2$	Ethyl β-phenylpropionate. B.p. 248.1 3822, 6764, 12915, 13012, 14034, 14906, 14999, 15064, 15086, 15360, 15689, 15714, 15726, 15758-15760
$C_{11}H_{14}O_2$	Isobutyl benzoate. B.p. 242.15 864, 3823, 4447, 6072, 6765, 8590, 8994, 10287, 10315, 10637, 11076, 12610, 12916, 13013, 13451, 13862, 13940, 14300, 14884, 14907, 15000, 15065, 15263, 15316, 15387, 15404, 15415, 15485, 15500, 15524, 15604, 15660, 15690, 15696, 15715, 15727, 15742, 15758

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Formula	Name and System No.
$C_{11}H_{22}O_3$	Isoamyl carbonate. B.p. 232.2 876, 3826, 4452, 4786, 6076, 6231, 8995, 10242, 10268, 10316, 10639, 11079, 12457, 12613, 12918, 12977, 13389, 14082, 14158, 14303, 14524, 14635, 14908, 14933, 15002, 15068, 15266, 15363, 15406, 15448, 15487, 15503, 15527, 15536, 15605, 15615, 15640, 15665, 15691, 15699, 15718, 15729, 15772, 15773
$C_{11}H_{22}O_3$	4-Methoxy-2,6-dipropyl-1,3-dioxane. B.p. 223.6 877
$C_{11}H_{24}$	Undecane. B.p. 194.5 878, 1876, 2127, 2816, 3238, 5667, 6077, 7025, 7512, 10095, 11236, 13538, 14424, 15892, 16211, 16374, 16378, 16381, 16442, 16468, 11021a, 13462b, 16514a
$C_{11}H_{24}O$	5-Ethyl-2-nonanol. B.p. 225.4 879, 15719, 15730
$C_{11}H_{24}O_2$	Diamyloxymethane. B.p. 221.6 880, 9773, 16218
$C_{11}H_{24}O_2$	Diisoamyloxymethane. B.p. 210 881, 10143, 10783, 13142, 13598, 13986, 14012, 14414, 14569, 14961, 14977, 15552, 16505
$C_{11}H_{24}O_2$	2,2-Dibutoxypropane. 882
$C_{11}H_{24}O_2$	2,6-Dimethyl-4-heptyloxyethanol. B.p. 225.5 883
$C_{11}H_{24}O_4$	1,1,3,3-Tetraethoxypropane. B.p. 220.1 884
$C_{11}H_{25}N$	2-Ethylhexylpropylamine. 14724
$C_{11}H_{25}NO$	1-Dibutylamino-2-propanol. B.p. 225.1 885
$C_{12}F_{27}N$	Tris(perfluorobutyl)amine. B.p. 177 10105, 15008, 15119, 15195, 15693, 16510
$C_{12}H_9N$	Carbazole. B.p. 355 8594, 12378, 15197, 15774, 15775
$C_{12}H_{10}$	Acenaphthene. B.p. 277.9 3827, 4453, 4633, 6078, 6768, 8595, 11080, 11118, 11132, 11277, 12379, 12614, 13865, 14035, 14353, 14885, 14909, 15206, 15231, 15279, 15291, 15298, 15333, 15367, 15427, 15733, 15752, 15761, 15776-15781
$C_{12}H_{10}$	Biphenyl. B.p. 255.9 3828, 4454, 6079, 6769, 8596, 10317, 10640, 11081, 11119, 11133, 11278, 12380, 12615, 13015, 13453, 13704, 13866, 14036, 14218, 14471, 14847, 14886, 14910 15003, 15069, 15182, 15232, 15280, 15292, 15318, 15334, 15368, 15418, 15428, 15488, 15528, 15661, 15700, 15720, 15734, 15744, 15748, 15759, 15767, 15782-15788
$C_{12}H_{10}O$	1 and 2-Acetylnaphthalene. 10784
$C_{12}H_{10}O$	Phenyl ether. B.p. 259.3 887, 3829, 4455, 6080, 6770, 8597, 8735, 11082, 11120, 11279, 12339, 12381, 12616, 13016, 13867, 13886, 13941, 14037, 14354, 14472, 14887, 14911, 15004, 15087, 15183, 15233, 15281, 15319, 15335, 15369, 15419, 15429, 15529, 15662, 15677, 15721, 15735, 15745, 15749, 15753, 15760, 15768, 15782, 15789-15794
$C_{12}H_{10}O$	*o*-Phenylphenol. 886

Formula	Name and System No.
$C_{12}H_{22}O_2$	2-Ethylhexyl crotonate. B.p. 241.2 897
$C_{12}H_{22}O_2$	Vinyl decanoate isomers. 898
$C_{12}H_{22}O_4$	Isoamyl oxalate. B.p. 268.0 3836, 7122, 8603, 11086, 11123, 12385, 12619, 14040, 14913, 15185, 15209, 15236, 15285, 15321, 15338, 15678, 15738, 15756, 15778, 15786, 15804-15805
$C_{12}H_{22}O_4$	Diethyl 2-ethyl-3-methylglutarate. B.p. 255.8 899
$C_{12}H_{23}N$	Dicyclohexylamine. B.p. 255.8 900
$C_{12}H_{24}$	2,6,8-Trimethylnonene. 15196, 15806
$C_{12}H_{24}O$	2,6,8-Trimethyl-4-nonanone. B.p. 218.2 901
$C_{12}H_{24}OS$	2(2-Ethylhexylthio)ethyl vinyl ether. 8604, 15706
$C_{12}H_{24}O_2$	2-Ethylbutyl 2-ethylbutyrate. B.p. 222.6 902
$C_{12}H_{24}O_2$	2-Ethylbutyl hexanoate. B.p. 236.2 903
$C_{12}H_{24}O_2$	Hexyl 2-ethylbutyrate. B.p. 230.3 904
$C_{12}H_{24}O_2$	Hexyl hexanoate. B.p. 245.2 905
$C_{12}H_{24}O_2$	2,2-Dibutoxy-3-butanone. B.p. 228 906
$C_{12}H_{24}O_3$	2,2-Diisobutyoxy-3-butanone. B.p. 214 907
$C_{12}H_{26}$	Dodecane. B.p. 216 908, 1877, 3240, 4461, 6085, 6676, 10097, 11239, 13541, 14427, 14801, 15270, 15807, 15893, 16212
$C_{12}H_{26}$	2,2,4,4,6-Pentamethylheptane. B.p. 185.6 10098
$C_{12}H_{26}$	2,2,4,6,6-Pentamethylheptane. B.p. 177.9 10099
$C_{12}H_{26}O$	2-Butyl-1-octanol. B.p. 253.4 909
$C_{12}H_{26}O$	Dodecyl alcohol. 15703
$C_{12}H_{26}O$	Hexyl ether. 4462, 8605
$C_{12}H_{26}O$	2,6,8-Trimethyl-4-nonanol. B.p. 225.5 910, 13047, 15806, 16242
$C_{12}H_{26}O_2$	Acetaldehyde diamyl acetal. B.p. 225.3 911, 9774, 16219
$C_{12}H_{26}O_2$	Acetaldehyde diisoamyl acetal. B.p. 213 912, 9901, 16229
$C_{12}H_{26}O_2$	2-Ethylhexaldehyde diethyl acetal. B.p. 207.81 913
$C_{12}H_{26}O_2$	3-Ethoxy-4-ethyloctanol. B.p. 249.2 914

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Formula	Name and System No.
$C_{14}H_{14}O$	Benzyl ether. B.p. 297 3843, 4472, 6090, 6781, 8611, 12342, 12393, 15301, 15303, 15374, 15794, 15811
$C_{14}H_{22}O$	2-Ethylhexylphenol. B.p. 297.0 921
$C_{14}H_{23}N$	*N*-Ethylhexylaniline. 922
$C_{14}H_{24}$	1,3,6,8-Tetramethyl-1,6-cyclodecadiene. B.p. 220.5 923
$C_{14}H_{26}O_4$	Dibutyl adipate. 924
$C_{14}H_{28}O$	Trimethylnonyl vinyl ether. B.p. 223.4 925
$C_{14}H_{28}O_2$	2-Ethylbutyl 2-ethylhexanoate. B.p. 261.5 926
$C_{14}H_{28}O_2$	2-Ethylhexyl 2-ethylbutyrate. B.p. 252.8 927
$C_{14}H_{28}O_2$	2-Ethylhexyl hexanoate. B.p. 267.21 928
$C_{14}H_{28}O_2$	Hexyl 2-ethylhexanoate. B.p. 254.3 929
$C_{14}H_{29}N$	*N*(2-Ethylhexyl)cyclohexylamine. 930
$C_{14}H_{30}$	Tetradecane. B.p. 252.5 4473, 6677, 11241, 14429
$C_{14}H_{30}O$	7-Ethyl-2-methyl-4-undecanol. B.p. 264.3 931
$C_{14}H_{30}O$	Tetradecyl alcohol. B.p. 260.0 13213, 13394, 15774, 15808, 15815
$C_{14}H_{30}O_2$	2(2,6,8-Trimethyl-4-nonyloxy)ethanol. 932
$C_{15}H_{10}N_2O_2$	Bis(*p*-isocyanatophenyl)methane. 10366
$C_{15}H_{18}$	2-Amylnaphthalene. B.p. 292.3 11984, 13214, 13395
$C_{15}H_{28}O_4$	Dibutyl pimelate. 933
$C_{15}H_{30}$	Pentadecene. 14802
$C_{15}H_{30}O_2$	Methyl myristate. 15813, 15819
$C_{15}H_{32}O$	2,8-Dimethyl-6-isobutyl-4-nonanol. B.p. 265.4 934
$C_{15}H_{33}BO_3$	Isoamyl borate. B.p. 255 15323, 15750
$C_{16}H_{18}O$	Bis(α-methylbenzyl)ether. B.p. 286.7 935
$C_{16}H_{20}$	Diisopropylnaphthalene. B.p. 305 13215, 13396
$C_{16}H_{22}O_4$	Dibutyl phthalate. 6868
$C_{16}H_{28}O_4$	Bis(4-methyl-2-pentyl)maleate. 936

Formula	Name and System No.
$C_{16}H_{30}O_2$	Tridecyl acrylate. 937
$C_{16}H_{31}N$	Bis(methylcyclohexyl)methylamine. 938
$C_{16}H_{32}O_2$	2-Ethylhexyl 2-ethylhexanoate. B. p. 280.4 939
$C_{16}H_{32}O_2$	Palmitic acid. 15820
$C_{16}H_{34}$	Hexadecane. 1879, 11985, 15807, 15816, 15818
$C_{16}H_{34}O$	Bis(2-ethylhexyl)ether. B.p. 269.8 940, 4474, 6678, 8612, 14788
$C_{16}H_{35}N$	Bis(2-ethylhexyl)amine. B.p. 280.7 941
$C_{17}H_{34}O_2$	Methyl palmitate. 15819, 15821
$C_{17}H_{36}O$	3,9-Diethyl-6-tridecanol. B.p. 309 942
$C_{17}H_{36}O$	Heptadecanol. 15775, 15809, 15817
$C_{18}H_{34}N_2$	Bis(α-methylbenzyl)ethylenediamine. 943
$C_{18}H_{36}O_2$	Oleic acid. 15822-15824
$C_{18}H_{34}N_3$	Ricinoleic acid. 15822
$C_{12}H_{36}O_2$	Stearic acid. 15820, 15823
$C_{18}H_{38}O_2$	Acetaldehyde bis(2-ethylhexyl)acetal. 944
$C_{18}H_{39}NO$	2(Bis(2-ethylhexyl)amino)ethanol. 945
$C_{19}H_{36}O_2$	Methyl oleate. 15825
$C_{19}H_{38}O_2$	Methyl stearate. 15821, 15825
$C_{20}H_{30}O_2$	Abietic acid. 15824
$C_{20}H_{36}O_4$	Bis(2-ethylhexyl)fumarate. 946
$C_{20}H_{36}O_4$	Bis(2-ethylhexyl)maleate. 947
$C_{20}H_{40}O_3$	2-Ethylhexyl 3(2-ethylhexyloxy)butyrate. 948
$C_{20}H_{42}O$	Decyl ether (isomers) 949
$C_{20}H_{42}O$	Eicosanol (isomers) 950
$C_{20}H_{43}N$	Didecylamine (isomers) 951
$C_{21}H_{38}O_3$	Allyl 9,10-epoxystearate. 952

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Formula	Name and System No.
$C_{24}H_{38}O_4$	Octyl phthalate. 15788
$C_{24}H_{52}O_4Si$	Tetra(2-ethylbutoxy)silane. 953
$C_{31}H_{58}O_6$	Tri(2-ethylhexyl)1,2,4-butanetricarboxylate. 916

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