

Table 8 Enthalpy of Vaporization - Inorganic Compounds

ID	FORMULA	NAME	HVAP = A (1 - T/T <sub>c</sub> ) <sup>n</sup>			(HVAP - kJoule/mol, T - K)					
			CAS No	A	T <sub>c</sub>	n	TMIN	TMAX	code	T	HVAP@T
3571	Pd	palladium	7440-05-3	415.2942	10669.10	0.3800	1828.05	10669.10	1,2	3236.15	362.000
3641	Po	polonium	7440-08-6	125.7518	3013.08	0.3800	527.15	3013.08	1,2	1235.15	102.910
3691	Pt	platinum	7440-06-4	656.2389	6983.00	0.3800	2041.55	6983.00	1,2	4098.15	469.000
3773	Ra	radium	7440-14-4	138.3859	4862.82	0.3800	973.15	4862.82	1,2	1799.15	116.104
3781	Rb	rubidium	7440-17-7	95.4449	2111.10	0.3800	312.46	2111.10	1,2	961.15	75.770
3786	RbBr	rubidium bromide	7789-39-1	221.2795	2646.82	0.3800	955.15	2646.82	1,2	1613.15	154.800
3791	RbCl	rubidium chloride	7791-11-9	238.7005	2694.06	0.3800	988.15	2694.06	1,2	1663.15	165.700
3795	RbF	rubidium fluoride	13446-74-7	255.4707	2738.03	0.3800	1033.15	2738.03	1,2	1683.15	177.800
3801	RbI	rubidium iodide	7790-29-6	282.5368	2568.65	0.3800	915.15	2568.65	1,2	1573.15	197.080
3828	Re	rhenium	7440-15-5	794.7591	21482.80	0.3800	3459.15	21482.80	1,2	5869.15	704.000
3850	ReF5	rhenium (v) fluoride	30937-52-1	85.5469	774.10	0.3800	321.15	774.10	1,2	494.45	58.100
3852	ReF6	rhenium (vi) fluoride	10049-17-9	42.7229	472.97	0.3800	291.65	472.97	1,2	306.95	28.700
3858	ReOF4	rhenium (vi) oxytetrafluoride	17026-29-8	91.1053	682.25	0.3800	381.15	682.25	1,2	444.85	61.000
3861	ReO2F3	rhenium (vii) dioxytrifluoride	57246-89-6	99.4746	690.26	0.3800	363.15	690.26	1,2	458.55	65.700
3875	Re2O7	rhenium heptoxide	1314-68-7	106.1515	1035.10	0.3800	569.15	1035.10	1,2	633.15	74.100
3880	Rh	rhodium	7440-16-6	568.0098	12906.60	0.3800	2237.15	12906.60	1,2	3968.15	494.000
3940	Rn	radon	10043-92-2	24.7299	377.40	0.3800	202.15	377.40	1,2	211.45	18.098
3941	Ru	ruthenium	7440-18-8	673.8647	15247.10	0.3800	2607.15	15247.10	1,2	4423.15	591.600
3974	RuF5	ruthenium (v) fluoride	14521-18-7	83.5929	977.44	0.3800	359.65	977.44	1,2	500.15	63.661
3991	S	sulfur	7704-34-9	61.2418	1314.00	0.3900	388.36	1314.00	1,2	717.82	44.998
3994	SCl2	sulfur dichloride	10545-99-0	46.5214	542.00	0.3801	151.15	542.00	1,2	332.75	32.400
3996	SCl2O	thionyl chloride	7719-09-7	45.5632	567.00	0.3800	168.65	567.00	1,2	348.75	31.700
3998	SF4	sulfur tetrafluoride	7783-60-0	38.9529	364.00	0.3800	149.15	364.00	1,2	232.70	26.440
4001	SF6	sulfur hexafluoride	2551-62-4	24.1700	318.69	0.3590	233.15	318.69	1,2	209.25	16.468
4004	SOBr2	thionyl bromide	507-16-4	55.9984	661.75	0.3800	220.95	661.75	1,2	413.15	38.601
4005	SOCI2	thionyl chloride	7719-09-7	45.6071	567.00	0.3810	172.00	567.00	1,2	348.75	31.700
4006	SOF2	thionyl fluoride	7783-42-8	31.4178	371.25	0.3800	162.65	371.25	1,2	229.35	21.800
4007	SO2	sulfur dioxide	7446-09-5	36.7600	430.75	0.4000	200.00	430.75	1,2	263.13	25.201
4008	SO2Cl2	sulfuryl chloride	7791-25-5	47.9680	545.00	0.4279	219.00	545.00	1,2	342.55	31.400
4010	SO3	sulfur trioxide	7446-11-9	73.3700	490.85	0.5647	289.95	490.85	1,2	317.90	40.709
4013	S2Cl2	sulfur monochloride	10025-67-9	52.1039	659.37	0.3800	193.15	659.37	1,2	410.15	36.000
4023	Sb	antimony	7440-36-0	230.1244	5070.00	0.3800	903.78	5070.00	1,2	1860.15	193.430
4025	SbBr3	antimony tribromide	7789-61-9	85.1847	892.75	0.3800	369.75	892.75	1,2	553.15	59.000
4042	SbCl3	antimony trichloride	10025-91-9	68.9504	794.00	0.4349	346.55	794.00	1,2	493.40	45.193
4044	SbCl5	antimony pentachloride	7647-18-9	74.4423	662.54	0.3800	275.95	662.54	1,2	449.15	48.400
4047	SbH3	stibine	7803-52-3	30.1047	440.35	0.3800	185.15	440.35	1,2	255.15	21.662
4049	SbI3	antimony triiodide	7790-44-5	98.4968	1097.96	0.3800	440.15	1097.96	1,2	674.15	68.600
4056	Sb2O3	antimony (iii) oxide	1309-64-4	107.1113	2765.72	0.3800	929.15	2765.72	1,2	1698.15	74.600
4065	Sc	scandium	7440-20-2	400.6854	8035.08	0.3800	1814.15	8035.08	1,2	3109.15	332.700
4083	Se	selenium (gray)	7782-49-2	128.5237	1766.00	0.3800	494.15	1766.00	1,2	958.15	95.480
4089	SeCS	selenosulfide, carbon	5951-19-9	50.4491	576.53	0.3800	197.95	576.53	1,2	358.75	34.849
4107	SeCl4	selenium tetrachloride	10026-03-6	62.1003	743.95	0.3800	450.00	743.95	1,2	464.55	42.803
4109	SeF4	selenium tetrafluoride	13465-66-2	68.3768	608.64	0.3800	263.15	608.64	1,2	379.15	47.200
4110	SeF6	selenium hexafluoride	7783-79-1	26.4175	368.80	0.3800	238.45	368.80	1,2	227.35	18.354
4115	SeOCl2	selenium oxychloride	7791-23-3	62.7496	706.80	0.3800	281.65	706.80	1,2	450.15	42.700
4117	SeO2	selenium dioxide	7446-08-4	135.4068	961.16	0.3800	613.15	961.16	1,2	588.15	94.500
4140	Si	silicon	7440-21-3	551.2339	5159.00	0.3800	1685.00	5159.00	1,2	3490.00	359.000
4143	SiBrCl2F	silane, bromodichlorofluoro	---	34.4378	497.17	0.3800	160.85	497.17	1,2	308.55	23.828
4143.1	SiBrF3	silane, bromotrifluoro	---	25.2283	375.28	0.3800	202.65	375.28	1,2	231.45	17.523
4144	SiBr2ClF	silane, dibromochlorofluoro	---	37.6428	535.27	0.3800	173.85	535.27	1,2	332.65	26.023
4146	SiBr4	tetrabromosilane	7789-66-4	56.1323	663.00	0.3800	278.54	663.00	1,2	427.15	37.900
4149	SiCH3Cl3	silane, methyltrichloro	75-79-6	38.2000	517.00	0.2870	195.35	517.00	1,2	339.55	28.105
4150	SiCH4Cl2	silane, methyldichloro	75-54-7	36.7560	483.00	0.3127	182.55	483.00	1,2	314.70	26.435
4152	SiC2H5Cl3	silane, ethyltrichloro	115-21-9	49.4820	559.95	0.3987	167.55	559.95	1,2	371.05	32.084
4153	SiC2H6Cl2	silane, dimethyldichloro	75-78-5	44.5400	520.35	0.3850	197.05	520.35	1,2	343.35	29.407
4157	SiC3H10	silane, trimethyl	933-07-7	32.3100	432.00	0.3656	137.26	432.00	1,2	279.85	22.062
4187	SiC7H8Cl2	silane, methylphenyldichloro	149-74-6	67.0820	689.00	0.3853	229.65	689.00	1,2	477.35	42.569
4196	SiC8H20	silane, tetraethyl	631-36-7	57.4370	606.00	0.3777	190.65	606.00	1,2	426.56	36.271
4238	SiClC3H9	chlorotrimethylsilane	75-77-4	42.1520	497.75	0.3789	215.45	497.75	1,2	330.75	27.869
4240	SiClF3	silane, chlorotrifluoro	14049-36-6	26.8655	330.54	0.3800	131.15	330.54	1,2	203.15	18.700
4241	SiCl2F2	silane, dichlorodifluoro	18356-71-3	30.3814	390.93	0.3800	133.45	390.93	1,2	241.15	21.100
4243	SiCl3F	silane, trichlorofluoro	14965-52-7	31.3903	460.49	0.3800	152.35	460.49	1,2	285.40	21.738
4244	SiCl4	silicon tetrachloride	10026-04-7	41.5620	507.00	0.3795	204.30	507.00	1,2	330.00	27.879
4245	SiF4	silicon tetrafluoride	7783-61-1	24.1050	259.00	0.3799	186.35	259.00	1,2	187.15	14.810
4246	SiHBr3	silane, tribromo	7789-57-3	50.5939	610.00	0.3800	199.65	610.00	1,2	382.15	34.800
4247	SiHCl3	silane, trichloro	10025-78-2	38.9070	479.00	0.3817	144.95	479.00	1,2	305.00	26.433
4248	SiHF3	silane, trifluoro	13465-71-9	23.2181	291.02	0.3800	141.75	291.02	1,2	178.15	16.200
4250	SiH2Br2	silane, dibromo	13768-94-0	44.6262	550.00	0.3800	202.95	550.00	1,2	339.15	31.000
4251	SiH2Cl2	silane, dichloro	4109-96-0	36.8400	459.00	0.4022	151.15	459.00	1,2	281.45	25.143
4252	SiH2F2	silane, difluoro	13824-36-7	23.4015	318.21	0.3800	151.00	318.21	1,2	195.35	16.300
4253	SiH2I2	silane, diiodo	13760-02-6	62.3360	660.00	0.3800	272.15	660.00	1,2	423.15	42.229
4257	SiH3Br	silane, monobromo	13465-73-1	34.7932	454.00	0.3800	179.25	454.00	1,2	275.55	24.400
4258	SiH3Cl	silane, monochloro	13465-78-6	30.0929	396.65	0.3800	155.05	396.65	1,2	242.75	21.000
4259	SiH3F	silane, monofluoro	13537-33-2	26.8803	286.28	0.3800	155.00	286.28	1,2	175.15	18.762
4260	SiH3I	silane, iodo	13598-42-0	43.2189	515.00	0.3800	216.15	515.00	1,2	318.55	29.966
4261	SiH4	silane	7803-62-5	15.7100	269.70	0.2860	88.48	269.70	1,2	161.00	12.115
4263	SiI4	silane, tetraiodo	13465-84-4	70.6907	944.00	0.3800	393.65	944.00	1,2	560.50	50.200
4265	SiO2	silicon dioxide (alpha quartz)	14808-60-7	496.1346	4076.87	0.3800	1883.00	4076.87	1,2	2503.20	345.543
4274	Si2C6H18O	disiloxane, hexamethyl	107-46-0	49.3310	518.70	0.3592	204.93	518.70	1,2	373.67	31.211
4275	Si2C6H19N	disilazane, hexamethyl	999-97-3	54.0500	544.00	0.3380	293.15	544.00	1,2	399.15	34.558