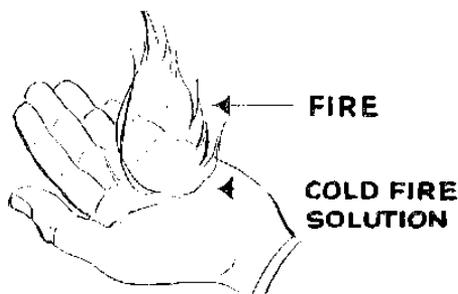


COLD FIRE

Action:

You pour a few ml. of liquid in the palm of your hand. Someone brings a burning piece of paper to the liquid and lights it. The flame has a yellow glow. *You Need:*

A mixture of 60 ml. of carbon disulfide and 40 ml. of carbon tetrachloride. *Why:* Cooling by rapid evaporation prevents burning of the hand.



Suggestions:

Should you be afraid to burn the liquid in your hand, you might pour it on a handkerchief which will be unharmed by fire.

The amount of liquid in the palm of the hand should be small or it will seep around to the back of the hand.

This experiment is fairly safe and could even be tried on a willing member of the audience. Remember, however, that you are dealing with fire.

The demonstration is especially effective in a darkened room.

Use a freshly prepared solution. On standing, the volatile carbon tetrachloride may evaporate leaving a mixture that may cause burns.

Dr. L. A. Ford "Chemical Magic" 1959