

B. F. McDONALD CO.
LOS ANGELES, CALIF.

GAS:
WHITE PHOSPHORUS
5m

NUISANCE GASES rarely causing serious results

TEAR GASES:

- 10. **Chlor-ac'eto-phē'none** (apple blossom odor). Makes eyes smart, shut tightly. Tears flow. Temporary.
- 11. **Brōm ben'zyl-cyanide** (sour fruit odor). Eyes smart, shut, tears flow. Effect lasts some time. Headache.

SNEEZE GASES:

- 12. **Adamsite** (coal smoke odor). Causes sneezing, sick depressed feeling, headache.
- 13. **Di-phē nyl-chlor-ar'sine** (shoe polish odor). Causes sick feeling, headache.

SCREENING SMOKES & INCENDIARIES:

- 14. **H C Mixture** (sharp, acrid odor). Harmless.
- 15. **Sulphur Trioxide** (burning match odor). Causes prickling of skin, flow of tears.
- 16. **Ti-tā ni-um-tet'ra-chlor'ide** (acrid odor). Harmless.
- 17. **White Phosphorus** (burning match odor). Burning pieces adhere to skin, clothing.
- 18. **Thermit** (no odor). 5,000 heat ignites materials.

TREATMENT:

Pack in cloths wet with copper sulphate (blue vitriol) or water, or immerse in water. Pick or squeeze out particles. Treat


McDonald GAS-GUIDE

see other side for gases causing serious results

McDonald
GAS-GUIDE
FIRST AID AT A GLANCE FOR GAS POISONING

LOW FLYING PLANES
RELEASE GAS CURTAIN

HIGH FLYING
PLANES DROP
GAS BOMBS



HOW TO USE A GAS MASK



1. As soon as odor of gas detected, hold breath; remove hat, women brush hair back.
2. Loosen straps as much as possible. Place thumbs inside, below lower head harness strap; pull mask over chin then over rest of face.
3. Tighten straps equally. Test for tightness by placing palm of hand over inhalation valve, bottom of canister; facepiece should collapse readily if tight.
4. To clean out small amounts of gas inside of facepiece when it is put on, hold hand over outlet valve on facepiece and exhale. Always breathe normally.

EIGHT IMPORTANT THINGS TO REMEMBER

1. **Keep cool.** There is no danger from any gases if you use your head.
2. **Never buy or use** a gas mask for war gases except one bearing approval or issued by the U. S. Chemical Warfare.
3. **Never use** a gas mask for industrial or fire department use except one bearing the approval of the U. S. Bureau of Mines.
4. **Never use** any type of canister mask in oxygen-deficient atmospheres, where candles will not burn.
5. **Don't light matches** or use open flame in areas where natural gas leak is suspected.
6. **Civilian Gas Masks** should not be worn for protection against carbon monoxide or ammonia.
7. **Industrial masks** will not protect against war gases unless they are properly equipped with a suitable filter.
8. **Always take precaution** in entering or rescuing victim in gaseous area. Protect yourself with suitable gas mask.

B. F. McDONALD CO.

1174 Howard St., San Francisco 1248 SO. HOPE ST., LOS ANGELES 2321 Milam Street, Houston
© B. F. McD. Co. 1942 LITHO. IN U.S.A.

GAS:

ETHYL-DI-CHLOR-ARSIN
Liquid, Vapor, Gas

GASES CAUSING DISABILITY OR DEATH

BLISTER GASES:

1. **Mustard** (garlic, horseradish or mustard odor). Delayed effect. Burns skin, membranes, eyes, lungs.
2. **Lewisite** (geranium odor). Burns skin, eyes, nasal passages, lungs. Arsenic poison.
3. **Ethyl-di-chlor-arsine** (stings nose like pepper). Persistent. Causes blisters, sores, vomiting, paralysis of hands.

LUNG IRRITANTS:

4. **Chlorine** (odor like household bleaches). Lung irritant.
5. **Chlor-pic'rin** (flypaper, anise odor). Coughing, tears, vomiting.
6. **Di-phos'gene** (ensilage odor, acrid). Coughing, watering eyes. Toxic.
7. **Phos'gene** (musty hay, green corn odor). Irritation of lungs, tears, doped feeling, occasional vomiting.

SYSTEMIC POISONS:

8. **Hydro-cy-an'ic Acid** (odor of bitter almonds). Weak concentration, giddiness, headache; strong concentration, unconsciousness.
9. **Carbon Monoxide** (odorless, tasteless). Giddiness, fatigue.

TREATMENT:

Undress; remove liquid with hydrogen peroxide, lye in glycerine, or kerosene; bathe, wash eyes and nose with soda sol. Speed vital. Rest —doctor

McDonald
GAS-GUIDE

see other side for
nuisance gases