

Specific Guidelines

The compressed gases and cryogenic liquids presented on the following pages are organized in product categories having similar health hazards and storage requirements. These categories are as follows:

- Nonflammable, Non-corrosive, Low Toxicity (Table 1)
- Flammable, Non-corrosive, Low Toxicity (Table 2)
- Flammable, Corrosive, and/or Toxic (Table 3)
- Toxic and/or Corrosive, Nonflammable (Table 4)
- Spontaneously Flammable (Table 5)
- Toxic (Table 6)

Table 1

Nonflammable, Non-corrosive, Low Toxicity.

Store these products in well-ventilated areas or in covered outdoors areas, keeping them off the ground and away from radiant heat sources. Cylinder temperatures should not exceed 125 °F (52 °C).

Note: Nonflammable, Non-corrosive, Low Toxicity products listed in Table 1 can be safely stored together with Toxic and/or Corrosive, Nonflammable products listed in Table 4.

- | | |
|------------------------------|---------------------|
| Air | Halocarbon 116 |
| Argon | Halocarbon 218 |
| Banana Gas 32 | Halocarbon 134A |
| Carbon Dioxide | Helium |
| Clinical Blood Gas Mixtures | Krypton |
| P-5 Electron Capture Mixture | Neon |
| 8.5% Hydrogen/Helium | Nitrogen |
| Halocarbon 14 | Nitrous Oxide |
| Halocarbon 22 | Oxygen |
| Halocarbon 23 | Sulfur Hexafluoride |
| | Xenon |

Table 2

Flammable, Non-corrosive, Low Toxicity.

Store these products in well-ventilated areas equipped with electrical equipment in accordance with Article 500 of the National Electrical Code. These products may also be stored in covered outdoor areas, but keep them off the ground and away from radiant heat sources. Keep all ignition sources and combustible materials out of the storage area. Cylinder temperature should not exceed 125 °F (52 °C).

Note: Flammable, Non-corrosive, Low Toxicity products listed in Table 2 can be safely stored together with Flammable, Corrosive, and/or Toxic products listed in Table 3.

- | | |
|-----------|--------------------|
| Acetylene | Isobutane |
| Butane | Isobutylene |
| Deuterium | Methane |
| Ethane | Propane |
| Ethylene | Propylene |
| Hexane | Toluene |
| 1-Hexene | Xylenes (o-,m-,p-) |
| Hydrogen | |

Table 3

Flammable, Corrosive, And/Or Toxic.

Store these products in well-ventilated areas equipped with electrical equipment in accordance with Article 500 of the National Electrical Code. These products may also be stored in covered outdoor areas, but keep them off the ground and away from radiant heat sources. Keep all ignition sources and combustible materials out of the storage area. Cylinder temperature should not exceed 125 °F (52 °C).

Note: Flammable, Corrosive, and/or Toxic products listed in Table 3 can be safely stored together with Flammable, Non-corrosive, Low Toxicity products listed in Table 2.

- | | |
|--|------------------|
| 1,3-Butadiene | Ethylene Oxide |
| Carbon Monoxide | Hydrogen Sulfide |
| Carboxide, 10% Ethylene Oxide – 90% Carbon Dioxide Mixture | Methyl Bromide |
| Dichlorosilane | Methyl Chloride |
| Dimethylamine | Monomethylamine |
| Ethyl Chloride | TEOS |
| | Trichlorosilane |
| | Trimethylamine |