

PURE GASES

CARBON TETRAFLUORIDE CF₄ (Halocarbon 14)

- See Electronic Gas Section page 82 -

CHLORINE Cl₂

General Characteristics: A yellow-greenish, non-flammable and liquefied gas with an unpleasant, irritating smell. Corrosive.

Health Hazards: Highly toxic. Attacks the eyes and mucous membranes. Causes lung damage.

| GAS GRADE/PURITY SPEC. | CYLINDER SIZE | CONTENTS | EQUIPMENT RECOMMENDATIONS |
|---|---------------|----------|---|
| ULTRA HIGH PURITY Min. Purity 99.9% N ₂ + O ₂ + CO ₂ < 1000 ppm | 044 | 45.4 kg | Stainless-steel high purity single-stage regulator, refer to page 142 |
| | 016 | 18.1 kg | |
| | 010 | 5 kg | Stainless-steel lecture bottle regulator, refer to page 147 |
| | LB | 454 g | |
| C.P. Min. Purity 99.5% (Liquid Phase) | 044 | 45.4 kg | Stainless-steel high purity single-stage regulator, refer to page 142 |
| | 016 | 18.1 kg | |
| | 010 | 5 kg | Stainless-steel lecture bottle regulator, refer to page 147 |
| | LB | 454 g | |

TECHNICAL INFORMATION

| | | | |
|-----------------------|---------------------------|-------------------------------|------------|
| Molecular Weight..... | 70.91 | Dot Name..... | Chlorine |
| Specific Volume..... | 5.4CF/lb | UN No..... | UN1017 |
| Fire Potential..... | Non-flammable | Dot Class..... | 2.3 |
| TLV-TWA..... | 0.5 ppm (ACGIH 1991-1992) | Dot Label..... | Poison Gas |
| CGA Valve..... | 660 | Cas Registry..... | 7782-50-5 |
| LB..... | 180 | Cylinder Pressure @ 70°F..... | 85.3 psig |

CHLORINE TRIFLUORIDE ClF₃

- See Electronic Gas Section page 72 -

CHLORODIFLUOROMETHANE ClCF₂

- See Halocarbon 22 page 21 -

CHLOROTRIFLUOROMETHANE ClCF₃

- See Halocarbon 13 page 20 -