

# PURE GASES

## CARBON TETRAFLUORIDE CF<sub>4</sub> (Halocarbon 14)

- See Electronic Gas Section page 82 -

## CHLORINE Cl<sub>2</sub>

**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
<b>ULTRA HIGH PURITY</b> Min. Purity 99.9% N <sub>2</sub> + O <sub>2</sub> + CO <sub>2</sub> < 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	
<b>C.P.</b> Min. Purity 99.5% (Liquid Phase)	044	45.4 kg	
	016	18.1 kg	
	010	5 kg	
	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 ClF<sub>3</sub>

- See Electronic Gas Section page 72 -

## CHLORODIFLUOROMETHANE ClCF<sub>2</sub>

- See Halocarbon 22 page 21 -

## CHLOROTRIFLUOROMETHANE ClCF<sub>3</sub>

- See Halocarbon 13 page 20 -