

PURE GASES

CARBON TETRAFLUORIDE CF₄ (Tetrafluoromethane)

– See Halocarbon 14 in Electronic Gases Section –

CHLORINE Cl₂

General Characteristics: A yellow-greenish, nonflammable, 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
ELECTRONIC GRADE Min. Purity 99.99% (Liquid Phase)	- See Electronic Gases Section -		
ULTRA HIGH PURITY Min. Purity 99.9% (Liquid Phase) N ₂ + O ₂ + CO ₂ < 1000 ppm	044	90 lbs	Stainless-steel high purity single-stage regulator, refer to page 144
	016	40 lbs	
	008	10 lbs	Stainless-steel lecture bottle regulator, refer to page 149
	LB	1 lb	
C.P. GRADE Min. Purity 99.5% (Liquid Phase)	044	90 lbs	
	016	40 lbs	
	008	10 lbs	
	LB	1 lb	

TECHNICAL INFORMATION

Molecular Weight	70.91	Dot Name	Chlorine
Specific Volume	5.4CF/lb	UN No.	UN1017
Fire Potential	Nonflammable	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 Gases Section –

CHLORODIFLUOROMETHANE CHClF₂

– See Halocarbon 22 –

CHLOROTRIFLUOROMETHANE CClF₃

– See Halocarbon 13 –