

PURE GASES

HALOCARBON-12 CCl₂F₂ (Dichlorodifluoromethane)

General Characteristics: A colorless, non-flammable and non-corrosive gas. Has an ether-like odor in high concentrations. Decomposes at high temperatures to toxic substances.

Health Hazards: A simple asphyxiant in high concentrations.

GAS GRADE/PURITY SPEC.	CYLINDER SIZE	CONTENTS	EQUIPMENT RECOMMENDATIONS
C.P. Min. Purity 99.9% (Liquid Phase)	¹ DRD ¹ DRE LB	22.7 kg 13.6 kg 340 g	Single-stage high purity regulator, refer to page 140 High purity lecture bottle regulator, refer to page 146

TECHNICAL INFORMATION

Molecular Weight.....	120.9	Dot Name.....	Dichlorodifluoromethane
Specific Volume.....	3.13CF/lb	UN No.....	UN1028
Fire Potential.....	Non-flammable	Dot Class.....	2.2
TLV-TWA.....	1000 ppm (ACGIH 1991-1992)	Dot Label.....	Non-flammable Gas
CGA Valve.....	N/A	Cas Registry.....	75-71-8
LB.....	180	Cylinder Pressure @ 70°F.....	70.2 psig

¹Size DRD & DRE are non-returnable containers with 1/4 inch flare outlet.

HALOCARBON-13 CClF₃ (Chlorotrifluoromethane)

General Characteristics: A colorless, non-flammable and non-corrosive gas. Decomposes at high temperatures to toxic substances.

Health Hazards: A simple asphyxiant.

GAS GRADE/PURITY SPEC.	CYLINDER SIZE	CONTENTS	EQUIPMENT RECOMMENDATIONS
C.P. Min. Purity 99.9% (Liquid Phase)	044 016 LB	30 kg 10 kg 340 g	Single-stage high purity regulator, refer to page 133 High purity lecture bottle regulator, refer to page 146

TECHNICAL INFORMATION

Molecular Weight.....	104.5	Dot Name.....	Chlorotrifluoromethane
Specific Volume.....	3.5CF/lb	UN No.....	UN1022
Fire Potential.....	Non-flammable	Dot Class.....	2.2
TLV-TWA.....	None established	Dot Label.....	Non-flammable Gas
CGA Valve.....	660	Cas Registry.....	75-72-9
LB.....	180	Cylinder Pressure @ 70°F.....	456.9 psig

HALOCARBON-13B1 CBrF₃ (Bromotrifluoromethane)

General Characteristics: A colorless, non-flammable and non-corrosive gas. Decomposes at high temperatures to toxic substances.

Health Hazards: A simple asphyxiant at high concentrations.

GAS GRADE/PURITY SPEC.	CYLINDER SIZE	CONTENTS	EQUIPMENT RECOMMENDATIONS
C.P. Min. Purity 99.7% (Liquid Phase)	044 016 LB	30 kg 10 kg 340 g	Single-stage high purity regulator, refer to page 140 High purity lecture bottle regulator, refer to page 146

TECHNICAL INFORMATION

Molecular Weight.....	148.9	Dot Name.....	Bromotrifluoromethane
Specific Volume.....	2.6CF/lb	UN No.....	UN1009
Fire Potential.....	Non-flammable	Dot Class.....	2.2
TLV-TWA.....	1000 ppm (ACGIH 1991-1992)	Dot Label.....	Non-flammable Gas
CGA Valve.....	660	Cas Registry.....	75-63-8
LB.....	180	Cylinder Pressure @ 70°F.....	189 psig