

PURE GASES

HALOCARBON-41 CH₃F (Methyl Fluoride)

General Characteristics: A colorless, flammable, and liquefied gas.
Health Hazards: A simple asphyxiant

GAS GRADE/PURITY SPEC.	CYLINDER SIZE	CONTENTS	EQUIPMENT RECOMMENDATIONS
C.P. GRADE Min. Purity 99.0% (Liquid Phase)	008	2.2 lbs	Single-stage high purity regulator, refer to page 136
	LB	0.125 lb	High purity lecture bottle regulator, refer to page 148

TECHNICAL INFORMATION

Molecular Weight	34.0	Dot Name	Fluoromethane
Specific Volume	11.36CF/lb	UN No.	UN2454
Fire Potential	Flammable	Dot Class	2.1
TLV-TWA	None established	Dot Label	Flammable Gas
CGA Valve	350	Cas Registry	593-53-3
LB	180	Cylinder Pressure @ 70°F	538 psig

HALOCARBON 116 C₂F₆ (Hexafluoroethane)

General Characteristics: A colorless, nonflammable, liquefied and odorless gas.
Health Hazards: Narcotic at high concentrations.

GAS GRADE/PURITY SPEC.	CYLINDER SIZE	CONTENTS	EQUIPMENT RECOMMENDATIONS
VLSI GRADE Min. Purity 99.997%	- See Electronic Gases Section -		
C.P. GRADE Min. Purity 99.9% (Liquid Phase)	044	66 lbs	Single-stage high purity regulator, refer to page 136
	016	11 lbs	High purity lecture bottle regulator, refer to page 148
	LB	0.5 lb	

TECHNICAL INFORMATION

Molecular Weight	138.01	Dot Name	Hexafluoroethane
Specific Volume	2.8CF/lb	UN No.	UN2193
Fire Potential	Nonflammable	Dot Class	2.2
TLV-TWA	None established	Dot Label	Nonflammable Gas
CGA Valve	660	Cas Registry	76-16-4
LB	180	Cylinder Pressure @ 70°F	430 psig

HALOCARBON-123 CHCl₂F₃ (Dichlorotrifluoroethane)

General Characteristics: A colorless, nonflammable, and noncorrosive gas.
Decomposes at high temperatures to toxic substances.
Health Hazards: A simple asphyxiant.

GAS GRADE/PURITY SPEC.	CYLINDER SIZE	CONTENTS	EQUIPMENT RECOMMENDATIONS
C.P. GRADE Min. Purity 99.9%	¹ DRD	50 lbs	Single-stage high purity regulator, refer to page 142
	¹ DRE	30 lbs	High purity lecture bottle regulator, refer to page 148
	LB	0.5 lb	

TECHNICAL INFORMATION

Molecular Weight	152.9	Dot Name	Dichlorotrifluoroethane
Specific Volume	2.76CF/lb	UN No.	None
Fire Potential	Nonflammable	Dot Class	2.2
TLV-TWA	None established	Dot Label	Nonflammable Gas
CGA Valve	1/4 inch flare	Cas Registry	306-83-2
LB	180	Cylinder Pressure @ 70°F	28 psig

¹Size DRD & DRE are nonreturnable container with 1/4 inch flare.