

# PURE GASES

## METHYL CHLORIDE CH<sub>3</sub>Cl

**General Characteristics:** A colorless, flammable and liquefied gas with a sweet-like odor.

**Health Hazards:** Toxic. Odor does not give adequate warning of presence. Affects the central nervous system.

GAS GRADE/PURITY SPEC.	CYLINDER SIZE	CONTENTS	EQUIPMENT RECOMMENDATIONS
C.P. Min. Purity 99.5% (Liquid Phase)	110 LP	45.4 kg	Single-stage high purity regulator, refer to page 140
	016	11.3 kg	
	010	5 kg	High purity lecture bottle regulator, refer to page 146
	LB	227 g	

### TECHNICAL INFORMATION

Molecular Weight.....	50.49	Dot Name.....	Methyl Chloride
Specific Volume.....	7.6CF/lb	UN No.....	UN1063
Fire Potential.....	10.7 - 17.4% in Air	Dot Class.....	2.1
TLV-TWA.....	50 ppm (ACGIH 1991-1992)	Dot Label.....	Flammable Gas
CGA Valve.....	510	Cas Registry.....	74-87-1
LB.....	180	Cylinder Pressure @ 70°F.....	59 psig

## METHYL FLUORIDE CH<sub>3</sub>F

- See Electronic Gas Section page 86 -

## METHYL MERCAPTAN CH<sub>3</sub>SH

**General Characteristics:** A colorless, flammable and liquefied gas with an extremely strong and repulsive odor.

**Health Hazards:** Highly toxic, affects the central nervous system. Penetrating odor provides warning at dangerous concentrations.

GAS GRADE/PURITY SPEC.	CYLINDER SIZE	CONTENTS	EQUIPMENT RECOMMENDATIONS
C.P. Min. Purity 99.5% (Liquid Phase)	044	22.7 kg	Stainless-steel high purity single-stage regulator, refer to page 142
	010	3.0 kg	
	LB	227 g	Stainless-steel lecture bottle regulator, refer to page 147

### TECHNICAL INFORMATION

Molecular Weight.....	48.11	Dot Name.....	Methyl Mercaptan
Specific Volume.....	8.0CF/lb	UN No.....	UN1064
Fire Potential.....	3.9 - 21.8% in Air	Dot Class.....	2.3
TLV-TWA.....	0.5ppm (ACGIH 1991-1992)	Dot Label.....	Poison Gas, Flammable Gas
CGA Valve.....	330	Cas Registry.....	74-93-1
LB.....	180	Cylinder Pressure @ 70°F.....	15 psig