

PURE GASES

MONOMETHYLAMINE CH₃NH₂

General Characteristics: A colorless, flammable and liquefied gas with an ammonia-type, fish-like odor.

Health Hazards: Toxic. Irritates eyes, mucous membranes and skin. Carcinogenic.

GAS GRADE/PURITY SPEC.	CYLINDER SIZE	CONTENTS	EQUIPMENT RECOMMENDATIONS
ANHYDROUS Min. Purity 98.5% (Liquid Phase)	110 LP 010 LB	56.8 kg 5.0 kg 227 g	Stainless-steel high purity single-stage regulator, refer to page 142 Stainless-steel lecture bottle regulator, refer to page 147

TECHNICAL INFORMATION

Molecular Weight.....	31.06	Dot Name.....	Methylamine, Anhydrous
Specific Volume.....	12.1CF/lb	UN No.....	UN1061
Fire Potential.....	4.9 - 20.7% in Air	Dot Class.....	2.3
TLV-TWA.....	10 ppm (ACGIH 1991-1992)	Dot Label.....	Poison Gas, Flammable Gas
CGA Valve.....	705	Cas Registry.....	74-89-5
LB.....	180	Cylinder Pressure @ 70°F.....	29 psig

NEON Ne

General Characteristics: A colorless, non-flammable, odorless and inert gas.

Health Hazards: A simple asphyxiant.

GAS GRADE/PURITY SPEC.	CYLINDER SIZE	CONTENTS	NET WT.	EQUIPMENT RECOMMENDATIONS
RESEARCH Min. Purity 99.999% CO ₂ < 0.5 ppm, CO < 0.5 ppm He < 8 ppm, CH ₄ < 0.5 ppm N ₂ < 1 ppm, O ₂ < 0.5 ppm H ₂ O < 0.5 ppm	049 044 016 LB	6.6 m ³ 5.0 m ³ 2.0 m ³ 50 L	5.5 kg 4.1 kg 1.6 kg 41 g	Double-stage high purity regulator, refer to page 134 High purity lecture bottle regulator, refer to page 146
ULTRA HIGH PURITY Min. Purity 99.995% CO ₂ < 1 ppm, CO < 1 ppm He < 35 ppm, CH ₄ < 1 ppm N ₂ < 4 ppm, O ₂ < 1 ppm H ₂ O < 1 ppm	049 044 016 LB	6.6 m ³ 6.0 m ³ 2.0 m ³ 50 L	5.5 kg 4.9 kg 1.6 kg 41 g	

TECHNICAL INFORMATION

Molecular Weight.....	20.18	Dot Name.....	Neon, Compressed
Specific Volume.....	19.2CF/lb	UN No.....	UN1065
Fire Potential.....	Non-flammable	Dot Class.....	2.2
TLV-TWA.....	None established	Dot Label.....	Non-flammable Gas
CGA Valve.....	580	Cas Registry.....	7440-01-9
LB.....	180		