

PURE GASES

TUNGSTEN HEXAFLUORIDE WF₆

- See Electronic Gas Section page 111 -

TRIMETHYLAMINE (CH₃)₃N

General Characteristics: A colourless, flammable, alkaline, toxic and liquefied gas with characteristics fishy odor in low concentration, but in higher concentrations (100-500 ppm), the fishy odor is no longer detectable and the odor is more like that of ammonia.

Health Hazards: Toxic Irritating to eyes and air passages. Skin contact with the liquid can cause serious burns.

GAS GRADE/PURITY SPEC.	CYLINDER SIZE	CONTENTS	EQUIPMENT RECOMMENDATIONS
ANHYDROUS Min. Purity 99.0% (Liquid Phase)	110 LP LB	125 lbs 0.5 lb	Stainless-steel high purity single-stage regulator, refer to page 142 Stainless-steel lecture bottle regulator, refer to page 147

TECHNICAL INFORMATION

Molecular Weight.....	59.11	Dot Name.....	Trimethylamine, Anhydrous
Specific Volume.....	6.4CF/lb	UN No.....	UN1083
Fire Potential.....	2.0 - 11.6% in Air	Dot Class.....	2.1
CGA Valve.....	705	Dot Label.....	Flammable Gas
LB.....	180	Cas Registry.....	75-50-3
		Cylinder Pressure @ 70°F.....	13.3 psig

XENON Xe

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

Health Hazards: A simple asphyxiant.

GAS GRADE/PURITY SPEC.	CYLINDER SIZE	CONTENTS	NET WT	EQUIPMENT RECOMMENDATIONS
RESEARCH Min. Purity 99.999% O ₂ < 0.5 ppm, N ₂ < 2 ppm H ₂ O < 0.5 ppm, THC < 0.5 ppm Kr < 5 ppm, Ar < 1 ppm	044 016 010 LB	5000 L 2000 L 1000 L 50 L	26.9 kg 10.7 kg 5.4 kg 269 g	Stainless-steel high purity double-stage regulator, refer to page 135 Stainless-steel lecture bottle regulator, refer to page 147
ULTRA HIGH PURITY Min. Purity 99.995% O ₂ < 1 ppm, N ₂ < 5 ppm H ₂ O < 1 ppm, THC < 1 ppm Kr < 25 ppm, Ar < 10 ppm	044 016 010 LB	5000 L 2000 L 1000 L 50 L	26.9 kg 10.7 kg 5.4 kg 269 g	

TECHNICAL INFORMATION

Molecular Weight.....	131.3	Dot Name.....	Xenon
Specific Volume.....	2.9CF/lb	UN No.....	UN2036
Fire Potential.....	Non-flammable	Dot Class.....	2.2
TLV-TWA.....	None established	Dot Label.....	Non-flammable Gas
CGA Valve.....	580	Cas Registry.....	7440-63-3
LB.....	N/A		