

# PURE GASES

## TUNGSTEN HEXAFLUORIDE WF<sub>6</sub>

– See Electronic Gases Section –

## TRIMETHYLAMINE (CH<sub>3</sub>)<sub>3</sub>N

**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:** Toxi. Irritating to eyes and air passages. Skin contact with the liquid can cause serious burns.

GAS GRADE/PURITY SPEC.	CYLINDER SIZE	CONTENTS	EQUIPMENT RECOMMENDATIONS
<b>ANHYDROUS GRADE</b> Min. Purity 99.0% (Liquid Phase)	LP239	125 lbs	Stainless-steel high purity single-stage regulator, refer to page 144
	LB	0.5 lb	Stainless-steel lecture bottle regulator, refer to page 149

### 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, nonflammable, and odorless gas.

**Health Hazards:** A simple asphyxiant.

GAS GRADE/PURITY SPEC.	CYLINDER SIZE	CONTENTS	NET WT.	EQUIPMENT RECOMMENDATIONS
<b>RESEARCH GRADE</b> Min. Purity 99.999% O <sub>2</sub> < 0.5 ppm, N <sub>2</sub> < 2 ppm H <sub>2</sub> O < 0.5 ppm, THC < 0.5 ppm Kr < 5 ppm, Ar < 5 ppm	049	7,500 L	90.4 lbs	Stainless-steel high purity double-stage regulator, refer to page 146
	044	5,000 L	60.3 lbs	
	016	1,000 L	12.06 lbs	Stainless-steel lecture bottle regulator, refer to page 149
	008	500 L	6.030 lbs	
	E01	200 L	2.412 lbs	
<b>UHP GRADE</b> Min. Purity 99.995% O <sub>2</sub> < 1 ppm, N <sub>2</sub> < 5 ppm H <sub>2</sub> O < 1 ppm, THC < 1 ppm Kr < 25 ppm, Ar < 10 ppm	LB	50 L	0.603 lb	
	049	7,500 L	90.4 lbs	
	044	5,000 L	60.3 lbs	
	016	1,000 L	12.06 lbs	
	008	500 L	6.030 lbs	
	E01	200 L	2.412 lbs	
	LB	50 L	0.603 lb	

### TECHNICAL INFORMATION

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