

PURE GASES

ISOBUTYLENE i-C₄H₈

General Characteristics: A colorless, flammable and liquefied gas with a detectable odor.

Health Hazards: A simple asphyxiant.

GAS GRADE/PURITY SPEC.	CYLINDER SIZE	CONTENTS	EQUIPMENT RECOMMENDATIONS
RESEARCH Min. Purity 99.9% (Liquid Phase)	18 LP LB	7.7 kg 170 g	Single-stage high purity regulator, refer to page 140
C.P. Min. Purity 99.0% (Liquid Phase)	110 LP 18 LP 010 LB	57.2 kg 7.7 kg 3.5 kg 170 g	High purity lecture bottle regulator, refer to page 146

TECHNICAL INFORMATION

Molecular Weight.....	56.11	Dot Name.....	Isobutylene
Specific Volume.....	6.7CF/lb	UN No.....	UN1055
Fire Potential.....	1.8 - 9.6% in Air	Dot Class.....	2.1
TLV-TWA.....	None established	Dot Label.....	Flammable Gas
CGA Valve.....	510	Cas Registry.....	115-11-7
LB.....	180	Cylinder Pressure @ 70°F.....	24.3 psig

KRYPTON Kr

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

Health Hazards: A simple asphyxiant.

GAS GRADE/PURITY SPEC.	CYLINDER SIZE	CONTENTS	NET WT.	EQUIPMENT RECOMMENDATIONS
RESEARCH Min. Purity 99.999% Ar < 2 ppm, CO ₂ < 0.5 ppm, CF ₄ < 0.5 ppm, H ₂ < 0.5 ppm CH ₄ < 0.5 ppm, N ₂ < 2 ppm O ₂ < 0.5 ppm, H ₂ O < 0.5 ppm, Xe < 2 ppm	049 044 016 010 LB	10.0 m ³ 8.0 m ³ 2.0 m ³ 500 L 50 L	34.7 kg 27.4 kg 6.8 kg 1.7 kg 171 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% Ar < 2 ppm, CO ₂ < 1 ppm, CF ₄ < 1 ppm, H ₂ < 2 ppm CH ₄ < 1 ppm, N ₂ < 5 ppm O ₂ < 1 ppm, H ₂ O < 1 ppm, Xe < 25 ppm	049 044 016 008 LB	10.0 m ³ 8.0 m ³ 2.0 m ³ 500 L 50 L	34.7 kg 27.4 kg 6.8 kg 1.7 kg 171 g	

TECHNICAL INFORMATION

Molecular Weight.....	83.80	Dot Name.....	Krypton, Compressed
Specific Volume.....	4.6CF/lb	UN No.....	UN1056
Fire Potential.....	Non-flammable	Dot Class.....	2.2
TLV-TWA.....	None established	Dot Label.....	Non-flammable Gas
CGA Valve.....	580	Cas Registry.....	7439-90-0
LB.....	180		