

# PURE GASES

## CIS-2-BUTENE C<sub>4</sub>H<sub>8</sub>

**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
<b>C.P. GRADE</b> Min. Purity 99.0% (Liquid Phase)	LP48	17 lbs	Single-stage high purity regulator, refer to page 142
	LP26	8.8 lbs	High purity lecture bottle regulator, refer to page 148
	LB	0.375 lb	

### TECHNICAL INFORMATION

Molecular Weight .....	56.11	Dot Name .....	Liquefied Petroleum Gas
Specific Volume .....	6.7CF/lb	UN No. ....	UN1075
Fire Potential .....	1.6 - 9.7% in Air	Dot Class .....	2.1
TLV-TWA .....	Non established	Dot Label .....	Flammable Gas
CGA Valve .....	510	Cas Registry .....	590-18-1
LB .....	180	Cylinder Pressure @ 70°F .....	13 psig

## TRANS-2-BUTENE C<sub>4</sub>H<sub>8</sub>

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

**Health Hazards:** A simple asphyxiant

GAS GRADE/PURITY SPEC.	CYLINDER SIZE	CONTENTS	EQUIPMENT RECOMMENDATIONS
<b>C.P. GRADE</b> Min. Purity 99.0% (Liquid Phase)	LP48	17 lbs	Single-stage high purity regulator, refer to page 142
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	LB	0.375 lb	

### TECHNICAL INFORMATION

Molecular Weight .....	56.11	Dot Name .....	Liquefied Petroleum Gas
Specific Volume .....	6.7CF/lb	UN No. ....	UN1075
Fire Potential .....	1.8 - 9.7% in Air	Dot Class .....	2.1
TLV-TWA .....	None established	Dot Label .....	Flammable Gas
CGA Valve .....	510	Cas Registry .....	624-64-6
LB .....	180	Cylinder Pressure @ 70°F .....	15 psig

## CIS AND TRANS-2-BUTENE

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

**Health Hazards:** A simple asphyxiant.

GAS GRADE/PURITY SPEC.	CYLINDER SIZE	CONTENTS	EQUIPMENT RECOMMENDATIONS
<b>C.P. GRADE</b> Min. Purity 99.0% (Liquid Phase)	LP48	17 lbs	Single-stage high purity regulator, refer to page 142
	LP26	8.8 lbs	High purity lecture bottle regulator, refer to page 148
	LB	0.375 lb	

### TECHNICAL INFORMATION

Molecular Weight .....	56.11	UN No. ....	UN1075
Specific Volume .....	6.7CF/lb	Dot Class .....	2.1
Fire Potential .....	1.6 - 9.7% in Air	Dot Label .....	Flammable Gas
CGA Valve .....	510	Cas Registry .....	N/A
LB .....	180	Cylinder Pressure @ 70°F .....	15 psig
Dot Name .....	Liquefied Petroleum Gas		