

# Isobutane I-C<sub>4</sub>H<sub>10</sub>

Synonym: 2-Methyl Propane

### Physical Constants of Gas

Molecular Weight ..... 58.124  
 Specific Volume ..... 6.5 CF/lb. (0.4 m<sup>3</sup>/kg)  
 Boiling Point ..... 10.89°F (-11.73°C) 1 atm  
 Gas Density 70°F 1 atm ..... 2.51 kg/m<sup>3</sup>

### Cylinder Data

CGA Valve Outlet ..... 510  
 LB CGA Outlet ..... 110, 170

### Shipping Data

Shipping Class ..... 70  
 DOT/TC Name ..... Isobutane  
 DOT/TC Class ..... 2.1 (Flammable Gas)  
 WHMIS Class ..... AB1  
 DOT Label ..... Flammable Gas  
 CAS Registry No. .... 75-28-5  
 UN No./ATA No. .... UN1969

### Safety Information

Flammable gas.  
 Flammability limits: lower 1.8%; upper 8.4%.  
 Can form explosive mixture with air.  
 May cause frostbite.  
 Material can be an asphyxiant if released in a confined area.

Specifications									Recommended Equipment	
Grade	Purity (Minimum)	Size	Contents		Pressure		Weight		Description Model Number	Page
			lbs.	kg	psig	bar	lbs.	kg		
CHEMGAZ 2	99.5% Liquid Phase	108*	120	55	31	2	191	87	Single-Stage Regulator	
		22LP	23	10	31	2	44	20	Q1-205A-4G-510	269
		LB	0.4	0.2	31	2	4	2	LB Regulator	
									Q1-20BS-170	294
									LB Control Valve	
									Q1-30B	332
CHEMGAZ 1	99% Liquid Phase	108*	120	55	31	2	191	87	Single-Stage Regulator	
		22LP	23	10	31	2	44	20	Q1-205A-4G-510	269
		LB	0.4	0.2	31	2	4	2	LB Regulator	
									Q1-20BS-170	294
									LB Control Valve	
									Q1-30B	332

\* Can be furnished with a full-length eductor tube and helium pressure pad upon request.

Most SCOTT™ gas handling and distribution equipment is available for same-day shipping.