

# Isobutylene C<sub>4</sub>H<sub>8</sub>

Synonyms: 2-Methyl-1-Propene, Isobutene

## Physical Constants of Gas

Molecular Weight ..... 56.11  
 Specific Volume ..... 6.7 CF/lb. (0.42 m<sup>3</sup>/kg)  
 Boiling Point ..... 19.59°F (-6.89°C) 1 atm  
 Gas Density 70°F 1 atm ..... 2.45 kg/m<sup>3</sup>

## Cylinder Data

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

## Shipping Data

Shipping Class ..... 70  
 DOT/TC Name ..... Isobutylene  
 DOT/TC Class ..... 2.1 (Flammable Gas)  
 WHMIS Class ..... AB1  
 DOT Label ..... Flammable Gas  
 CAS Registry No. .... 115-11-7  
 UN No./ATA No. .... UN1055

## Safety Information

Flammable gas.  
 Flammability limits: lower 1.8%; upper 9.6%.  
 Can form explosive mixture with air.  
 May cause frostbite.

Specifications									Recommended Equipment	
Grade	Purity (Minimum)	Size	Contents		Pressure		Weight		Description Model Number	Page
			lbs.	kg	psig	bar	lbs.	kg		
CHEMGAZ 3	99.9%	22LP	25	11	24	2	46	21	Single-Stage Regulator Q1-205A-4G-510	269
CHEMGAZ 2	99.5%	108*	125	57	24	2	200	91	Single-Stage Regulator	
		22LP	25	11	24	2	46	21	Q1-205A-4G-510	269
		LB	0.4	0.2	24	2	4	2	LB Regulator Q1-20BS-170	294
									LB Control Valve Q1-30B	332
CHEMGAZ 1	99%	108*	125	57	24	2	200	91	Single-Stage Regulator	
		22LP	25	11	24	2	46	21	Q1-205A-4G-510	269
		LB	0.4	0.2	24	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.