

Isobutylene C₄H₈

Synonyms: 2-Methyl-1-Propene, Isobutene

Physical Constants of Gas

Molecular Weight 56.11
 Specific Volume 6.7 CF/lb. (0.42 m³/kg)
 Boiling Point 19.59°F (-6.89°C) 1 atm
 Gas Density 70°F 1 atm 2.45 kg/m³

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.