



Isobutylene

Description

Synonym: 2-Methyl-1-Propene, Isobutene
 Formula: C₄H₈

Gas Data

Molecular Weight: 56.11
 Density: 2.3959 kg/m³ @ 21.1°C, 101.325 kPa
 0.14957 lb/ft³ @ 70°F, 14.696 psia
 Specific Volume: 0.41738 m³/kg @ 21.1°C, 101.325 kPa
 6.6858 ft³/lb @ 70°F, 14.696 psia

Safety Information

LFL in Air: 1.8%
 UFL in Air: 9.6%

Shipping Information

CAS Registry Number: 115-11-7
 UN Number: UN 1055
 ECCN Number: 1C982
 DOT Proper Shipping Name: Isobutylene
 DOT Classification: 2.1 (Flammable Gas)
 DOT Label: FLAMMABLE GAS
 TC Shipping Name: Isobutylene
 TC Classification: 2.1
 TC Label: FLAMMABLE GAS

Cylinder Specifications

Cylinder Size	Valve Outlet CGA No.	Pressure		Approximate Ship Weight	
		psig @ 70°F	kPa @ 21.1°C	lb	kg
1F	510	24	164	208	94
1A	510	24	164	172	78
2	510	24	164	90	41
3	510	24	164	46	21
4	510	24	164	24	11
LB	170	24	164	6	3

Gas Grade Purity Specifications	Product Code	Cylinder Size	Content		Equipment Recommendations	Model No.	Page No.
			US	Metric			
Isobutylene, CP Grade 99.0%	G1365106	1F	126 lb	57.15 kg	Single Stage Reg. LB Regulator Tee Purge Personal Monitor Outlet Plug Wrench Flash Arrestor	Series 18-510 Series 3320-170 4753-510 IQ250 TW-4* 6103A-P4	292 302 423 398 430 434
	G1365101	1A	40 lb	18.14 kg			
	G1365140	2	16 lb	7.26 kg			
	G1365150	3	7 lb	3.18 kg			
	G1365165	4	2 lb	0.91 kg			
	G1365175	LB	0.375 lb	170 gm			

LPG 5 and 10 gallon steel cylinders available with single or dual port CGA510 valves, FLET, and head pressure. Inquire.

Liquid phase, weight/weight%

A Certificate of Conformance will be provided on request.

*Except LB