



1-Butene

Description

Synonym: 1-Butylene
Formula: C₄H₈

Gas Data

Molecular Weight: 56.11
Density: 2.4 kg/m³ @ 21.1°C, 101.325 kPa
0.15 lb/ft³ @ 70°F, 14.696 psia
Specific Volume: 0.42 m³/kg @ 21.1°C, 101.325 kPa
6.7 ft³/lb @ 70°F, 14.696 psia

Safety Information

LFL in Air: 1.6%
UFL in Air: 10%

Shipping Information

CAS Registry Number: 106-98-9
UN Number: UN 1012
ECCN Number: 1C982
DOT Proper Shipping Name: Butylene
DOT Classification: 2.1 (Flammable Gas)
DOT Label: FLAMMABLE GAS
TC Shipping Name: Butylene
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	165	210	95
1A	510	24	165	172	78
2	510	24	165	90	41
3	510	24	165	45	20
4	510	24	165	24	11
LB	170	24	165	6	3

Gas Grade Purity Specifications	Product Code	Cylinder Size	Content		Equipment Recommendations	Model No.
			US	Metric		
1-Butene, CP Grade 99%	G1323106	1F	128 lb	58.06 kg	Single Stage Reg. Tee Purge LB Regulator Outlet Plug Wrench	Series 3530-510** 4753-510 Series 3550-170** TW-4*
	G1323101	1A	40 lb	18.14 kg		
	G1323140	2	16 lb	7.26 kg		
	G1323150	3	6 lb	2.72 kg		
	G1323175	LB	0.375 lb	170 gm		

Liquid phase, weight/weight%
A Certificate of Conformance will be provided on request.
By request, all except LB can be furnished with full length eductor tubes for liquid withdrawal.
*Except LB
**Regulators for gas phase only