



trans-2-Butene

Description

Synonym: (E)-2-BUTENE
Formula: C₄H₈

Gas Data

Molecular Weight: 56.11
Density: 2.4028 kg/m³ @ 21.1°C, 101.325 kPa
0.15000 lb/ft³ @ 70°F, 14.696 psia
Specific Volume: 0.41618 m³/kg @ 21.1°C, 101.325 kPa
6.6667 ft³/lb @ 70°F, 14.696 psia

Safety Information

LFL in Air: 1.8%
UFL in Air: 9.7%

Shipping Information

CAS Number: 624-64-6
UN Number: UN 1075
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
3L	510	15	105	47	21
LB	170	15	105	6	3

Gas Grade Purity Specifications	Product Code	Cylinder Size	Content		Equipment Recommendations	Model No.
			US	Metric		
trans-2-Butene, Technical Purity 95%	G1333156	3L	6 lb	2.72 kg	Single Stage Reg. Single Stage Reg. Tee Purge LB Regulator Outlet Plug Wrench	Series 3530-510** Series 18-510** 4753-510** Series 3320-170 TW-4*
	G1333175	LB	0.375 lb	170 gm		

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