



## trans-2-Butene

### Description

Synonym: (E)-2-BUTENE  
Formula: C<sub>4</sub>H<sub>8</sub>

### Gas Data

Molecular Weight: 56.11  
Density: 2.4028 kg/m<sup>3</sup> @ 21.1°C, 101.325 kPa  
0.15000 lb/ft<sup>3</sup> @ 70°F, 14.696 psia  
Specific Volume: 0.41618 m<sup>3</sup>/kg @ 21.1°C, 101.325 kPa  
6.6667 ft<sup>3</sup>/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.	Page No.
			US	Metric			
<b>trans-2-Butene, Technical Purity 95%</b>	G1333156	3L	6 lb	2.72 kg	Single Stage Reg.	Series 3530-510**	313
	G1333175	LB	0.375 lb	170 gm	Single Stage Reg. Tee Purge LB Regulator Personal Monitor Outlet Plug Wrench	Series 18-510** 4753-510** Series 3320-170 IQ250 TW-4*	292 423 302 398 430

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