



## 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 |
| 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% | G1333175     | LB            | 0.375 lb | 170 gm | Single Stage Reg.<br>Single Stage Reg.<br>Tee Purge<br>LB Regulator<br>Outlet Plug Wrench | Series 3530-510**<br>Series 18-510**<br>4753-510**<br>Series 3320-170<br>TW-4* |

Liquid phase, weight/weight%

A Certificate of Conformance will be provided on request.

\*Except LB

\*\*Regulators for gas phase only