

TRANS-2-BUTENE (C₄H₈)

Synonyms : trans-Butene 2; trans-1,2-Dimethylethylene;
trans-2-Butene; 2-trans-Butene; (E)-2-Butene



Gas Description

trans-2-Butane is a colourless, flammable, non-corrosive, non-toxic and slightly anesthetic gas with a gas density at STP 2.46 kg/m³.

Typical applications :

Solvent
Chemical intermediate for organic compounds
Polymerized to high octane fuel, rubber or plastics

Transport Regulations :

UN Number : 1012
Shipping Name : PETROLEUM GASES,
LIQUIFIED (trans-2-Butene)
Class : 2.1: Flammable gases
CAS Number : 624-64-6
Hazchem : 2WE

[Click here](#) for MSDS

[Click here](#) for more information

Physical Properties

Chemical symbol : C₄H₈
Molecular weight : 56.11
Specific gravity (Air=1) : 1.997
Specific volume (m³/kg) : 0.42
Critical temperature : 155°C
Boiling point : 0.8°C

Melting Point : NDA
Critical pressure (bar) : 41.57
Major hazards : Fire
Toxicity : None Established
Flammability Range : 1.60 - 10% ref N°33
Odour : Slightly Aromatic

[Click here](#) for more information

Application

INDUSTRY

Chemicals

APPLICATION

2-Butenes have end uses in the production of butyl rubber. Butene-2 is used as a feedstock for the production of propylene by metathesis or for the production of mixed octenes by butene-2 dimerization. No specific or industrial use has been found.

[Click here](#) for more information

Trans-2-Butadiene : **CP** Standard Purity 99.0% wt% (Liquid phase)

Gas		Cylinder information			
Typical impurities (ppm molar)		Cylinder Size	Valve Connection	Pressure (kPa)	Contents (m ³)
Butene 1	0.1%	15	CGA 510	100	17.0
n-Butane	0.4%	6			7.0
cis-2-Butene	0.1%	2			2.0

Recommended Equipment

Single stage chrome plated brass body regulator with a stainless steel diaphragm.

For further information [Contact](#) the specialty gases representative in your region.