

1,2-Butadiene (Syn: Methylallene)

CAS #: 590-19-2
 Product #: 315188

DESCRIPTION: 1,2-Butadiene is a colorless gas at atmospheric pressure and room temperature. It is easily liquified and is shipped under its own vapor pressure of 6.5 psig.

USES: Specialty gas mixtures, Organic synthesis and Instrument calibration

TYPICAL PHYSICAL & CHEMICAL PROPERTIES:

Purity:	98.0% Minimum
Molecular Formula:	C ₄ H ₆
Molecular Weight:	54.09
Density:	0.676
Vapor Pressure @ 21.1°C	21.25 psia ¹
Boiling Point:	10.8°C ²
Odor:	Characteristic odor

TYPICAL IMPURITIES:

1,3-Butadiene
 Cis-2-Butene
 Alkines
 C5-Hydrocarbons
 TBC = Tert Butyl Catechol (inhibitor)

TOXICITY: The toxicity of 1,2-Butadiene has not been thoroughly investigated. It probably has some anesthetic activity and can act as a simple asphyxiant. A Safety Data Sheet is available upon request.

SHIPPING CLASS: UN1010 Butadienes, stabilized, flammable, 2.1

Cylinder Model/Size	Standard Package Size	CGA with diptube (liquid withdrawal)	CGA without diptube (vapor withdrawal)
Lecture Bottle	0.250	n/a	CGA 180
5 lb	2.5	CGA 510	CGA 510
11 lb	5.0	CGA 510	CGA 510
20 lb	10.0	CGA 510	CGA 510
100 lb	50.0	CGA 510	CGA 510
420 lb	245.0	CGA 510	CGA 510

The information contained herein is typical of this grade of product. We accept no responsibility for the results obtained by the application of this information or for the safety and suitability of this product in any particular use. Users are advised to make their own tests to determine the suitability of this product for their own purposes. No warranty is expressed or implied and buyers assume all responsibility and liability for loss or damage arising from the use of this information or handling and use of this product.

¹ Physical Constants of the Principle Hydrocarbons, 1942
² Handbook of vapor pressures, Zwolinski and Wilhoit, 1971

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