



1-Butyne (Syn: Ethyl Acetylene)

CAS # 107-00-6
Product # 464.48

DESCRIPTION:

Ethyl Acetylene is a clear colorless gas with a characteristic acetylenic odor. It is shipped as a liquefied gas under its own vapor pressure of 8.5 psig at 21.1°C.

USES: Specialty gas mixtures, Organic synthesis and Instrument calibration

TYPICAL PHYSICAL & CHEMICAL PROPERTIES:

Purity Specification	98% Min.
Vapor Pressure @ 21.1°C	159.9 kPa; 23.2 psia ¹
Boiling Point @ 101.325 kPa	8.1°C ¹
Viscosity Gas @ 20°C @ 101.325 kPa	0.00727 cp ¹
Odor	Characteristic acetylenic odor.

TYPICAL IMPURITIES:

1-Butene	0.25%
2-Butene, c&t	0.50%
1,2-Butadiene	0.75%

TOXICITY:

The toxicity of Ethyl Acetylene has not been thoroughly investigated. It probably has some anesthetic activity and can act as a simple asphyxiant.

SHIPPING CLASS: UN3161 Flammable Gas

Cylinder Size	Volume (Kg)	CGA with diptube (liquid withdraw)	CGA without diptube (vapor withdraw)
Lecture Bottle	.250	n/a	CGA 180
5 lb	up to 2.2	CGA 510	CGA 555
11 lb	up to 5.0	CGA 510	CGA 555
20 lb	up to 9.0	CGA 510	CGA 555
60 lb	up to 27.0	CGA 510	CGA 555
100 lb	up to 45.0	CGA 510	CGA 555

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 warrantee 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 Matheson Gas Book, 1980