Technical Data Sheet



1-Butyne (Syn: Ethyl acetylene)

CAS #: 107-00-6 **Product #:** 315179

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 23.2 psia at 21.1°C.

USES: Specialty gas mixtures, Organic synthesis and Instrument calibration

TYPICAL PHYSICAL & CHEMICAL PROPERTIES:

Attribute: Typical Value Purity: 99.0% Minimum Molecular Formula: C4H6 Molecular Weight: 54.09

23.2 psia¹ Vapor Pressure @ 21.1°C: 8.1°C¹ Boiling Point @ 101.325 kPa: Viscosity Gas @ 20°C @ 101.325 kPa: 0.00727 cp^1

Odor: Characteristic acetylenic odor.

TYPICAL IMPURITIES:

1-Butene; 2-Butene, c&t; 1,2-Butadiene

1-Butyne contains 0.001% Hydroquinone and 0.01% Butylated hydroxytoluene as stabilizers.

TOXICITY:

The toxicity of Ethyl Acetylene 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: UN2452, Ethylacetylene, stabilized, 2.1

Cylinder Model/Size	Standard Package Size (Kg)	CGA with diptube (liquid withdrawal)	CGA without diptube (vapor withdrawal)
Lecture Bottle	0.25	n/a	CGA 180
5 lb	2.5	CGA 555	CGA 510
11 lb	5.0	CGA 555	CGA 510
20 lb	10.0	CGA 555	CGA 510
100 lb	50.0	CGA 555	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 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.

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Matheson Gas Book, 1980