

Technical Data Sheet

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:

Organic synthesis.

TYPICAL PHYSICAL & CHEMICAL PROPERTIES:

Purity	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:

UN1954 Flammable Gas

MATERIAL SAFETY DATA SHEET (MSDS):

An MSDS is available upon request

¹ Matheson Gas Book, 1980

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