

1-Buten-3-yne 40% mixture in Xylene (Syn: Vinyl acetylene)

CAS # 689-97-4

Product # 315273

DESCRIPTION: 1-Buten-3-yne is a colorless gas. Due to its reactive nature it is shipped as a 40% solution in xylene. Inhibited with 0.01% Butylated hydroxytoluene (BHT) and 0.001% Hydroquinone (HQ).

USES: Specialty gas mixtures, Organic synthesis and Instrument calibration

TYPICAL PHYSICAL & CHEMICAL PROPERTIES:

Purity:	98.0% minimum
Molecular Formula:	C ₄ H ₄
Molecular Weight:	52.07
Liquid Density (100% contained):	0.6813 g/cc @ 21° C
Liquid Density (40% solution in Xylenes):	0.7885 g/cc @ 21° C
Vapor Pressure:	900 mm Hg @ 25° C
Boiling Point:	5° C
Odor:	Characteristic Acetylenic odor

Vinyl Acetylene is prepared by weight solution with a specification of 38 – 42% Vinyl Acetylene as measured by GC analysis.

TOXICITY: The toxicity of 1-Buten-3-yne 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: UN1993 Flammable liquids, n.o.s. (Xylenes, 1-Buten-3-yne), 3, PG I

Cylinder Model/Size	Standard Package Size (Kg)	CGA with diptube (liquid withdrawal)	CGA without diptube (vapor withdrawal)
Lecture Bottle	0.3125	n/a	CGA 180
5 lb	1.25	CGA 510	CGA 510
11 lb	6.25	CGA 510	CGA 510
20 lb	12.50	CGA 510	CGA 510
100 lb	62.50	CGA 510	CGA 510
420 lb	250.00	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.

Rev Date: 21-Feb-20