

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 BHT.

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

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