

1-Buten-3-yne 50% mixture in Xylene (Syn: Vinyl Acetylene)

CAS # 689-97-4

Product # 412.32

DESCRIPTION: 1-Buten-3-yne is a colorless gas. Due to its reactive nature it is shipped as a 50% solution in xylene.

USES: Specialty gas mixtures, Organic synthesis and Instrument calibration

TYPICAL PHYSICAL & CHEMICAL PROPERTIES:

Purity Specification: 98% Min.

Specific Gravity: 0.7095

Vapor Pressure 204.6mm @ -49.5° C / 401mm @ -10° C /

952 mm @ 112° C₁

Boiling Point: 5.1° C

Odor: Characteristic Acetylenic odor.

TYPICAL IMPURITIES:

Xylene, mixed <50%

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.

SHIPPING CLASS: UN3161 Liquefied Gas, Flammable, (N.O.S)

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