

2-Butyne (Syn: Dimethylacetylene)

CAS #: 503-17-3

Product #: 315200

DESCRIPTION: 2-Butyne is a clear colorless liquid with a characteristic acetylenic odor.

USES: Specialty gas mixtures, organic synthesis

TYPICAL PHYSICAL & CHEMICAL PROPERTIES:

| | |
|-------------------------|---------------------------------|
| Purity: | 98.0% Minimum |
| Molecular Formula: | C ₄ H ₆ |
| Molecular Weight: | 54.09 |
| Vapor Pressure @ 20°C | 593 mm |
| Heat of Vaporization | 119.2 Cal/g |
| Boiling Point | 26.95°C |
| Flash Point | -13°F |
| Specific Gravity | 0.6910 ¹ |
| Melting Point | -32.2°C ¹ |
| Refractive Index @ 20°C | 1.3920 ¹ |
| Odor | Characteristic acetylenic odor. |

TYPICAL IMPURITIES

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

TOXICITY: The toxicity of 2-Butyne 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: UN1144, Crotonylene, 3, PG I

| 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 | 3.0 | CGA 510 | CGA 510 |
| 11 lb | 6.0 | CGA 510 | CGA 510 |
| 20 lb | 12.0 | CGA 510 | CGA 510 |
| 100 lb | 60.0 | CGA 510 | 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 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.

¹ CRC Handbook of Chemistry & Physics

Rev Date: 21-Feb-20