

ACETYLENE 2.0

PROPERTIES PHYSICAL & CHEMICAL



Molar mass: 42.08 g/mol
 Gas density relative to air (1013 hPa/15°C): 1.476
 Triple Point: Temperature: 87.8 K (-185.4°C)
 Pressure: 3.6 10⁻⁶ mbar
 Latent heat of fusion: 71.38 kJ/kg
 Boiling point: Temperature: 225.43 K (-47.72°C)
 (1013 hPa) Latent heat of vaporization: 437.94 kJ/kg
 Density: 2.365 kg/m³ (gas phase)
 Critical point: Temperature: 364.75 K (91.6 °C)
 Pressure: 46.10 bar
 Density: 232.5 kg/m³

APPLICATIONS :

- Atomic Adsorption Spectrometry (AAS), calibration gas mixtures, Flame Ionization Detection (FID), flame photometry, analytical chemistry.
- It is mainly used in the chemical industry as a raw material for the synthesis of many chemicals: acetaldehyde, acetic acid, acrylates, monomers
- Used in the production of plastics, etc.
- It is widely used to fuel the oxyacetylene flame which is used in many welding and metal cutting jobs.
- In the glass industry, as a component of lighting fuel in buoys, beacons and headlights, as a component of fuel for motor boats, for the manufacture of carbon black.

INFOMATION TECHNIQUE

Purity :	Impurities :
C2H2	PH3
≥ 99 %	≤ 200 ppm

Conditioning :

Bottel
B40

