

# ACETYLENE 2.6

## PROPERTIES PHYSICAL & CHEMICAL



**OPEN  
24/7**



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<sup>-6</sup> 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/m<sup>3</sup> (gas phase)  
 Critical point: Temperature: 364.75 K (91.6 °C)  
 Pressure: 46.10 bar  
 Density: 232.5 kg/m<sup>3</sup>

## APPLICATIONS:

Fuel gas ideal for welding steel, metallic materials, spot heating and cutting.

- 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 power the oxyacetylene flame which is used in many welding and metal cutting jobs.
- for chemical analysis by atomic absorption, in the glass industry, as a component of lighting fuel for buoys, beacons and lighthouses, as a component of fuel for motor boats

## TECHNICAL INFORMATION

Purity :	Impurities :			
C2H2	PH3	H2S	H2O	AS
≥ 99,6 %	≤ 5 ppm	≤ 5 ppm	≤ 100 ppm	≤ 5 ppm

### Conditioning :

Bottel
B40

