

# ACETYLENE / C<sub>2</sub>H<sub>2</sub>



*Air Liquide produces and delivers acetylene throughout Europe in total safety in a mode of supply to suit our customer's needs: cylinder or bundle*

Air Liquide's Gas Encyclopedia - Pages: 403 - 424

## Applications

Welding and Brazing  
Cutting  
Flame Spraying  
Glass industry: automatic lubrication for glass bottle production moulding

## Transport information

### Dissolved Gases

Proper shipping name	Acetylene, dissolved
UN-Nr	1001
ADR/RID	Class 2
	Classification code 4 F



## Safety Data Sheets

Compressed gas : N° EIGA001  
Access: <https://be.airliquide.com/>

## Physical information

Molecular weight	26 g/mol
Relative density:	
Relative density, gas	0.9 (air=1)
Colour	Colorless
Odor	Garlic like Poor warning properties at low concentrations
CAS number	74-86-2

## Properties

**Hazards identification:** Asphyxiation in high concentrations; narcotic

**Flammability range:** Highly flammable; risk of explosion

**Personal protection:** Ensure adequate ventilation. Wear suitable hand, body and head protection. Wear goggles with suitable filter lenses when use is cutting/welding. Do not smoke while handling product. For full and more detailed information, please consult the Material Safety Data Sheet (MSDS).



## Cylinder equipment

### Valve fittings

Cylinders: D, Yoke-type diam. 21 mm (except ALTOP, S05 & S11)  
Cylinders S05 & S11: H, WW 22.91 x 1.814 left-hand male  
Bundle: flexible pipe

### Shoulder colour:

Maroon (RAL 3009)



## Product Specifications

Global purity (% Vol. abs) $C_2H_2$		Supply mode	Packaging size	Pressure	Capacity	Product reference
≥ 99,5 %	-	Cylinder	21L	15 bar	3,5 kg	I1901L21Z0A001
		Cylinder	40L	15 bar	5,5 kg	I1901L40R0A001
		Cylinder	40L ALTOP	15 bar	5,5 kg	I1901L40A0A001
		Cylinder	50L	15 bar	7 kg	I1901L50Z0A001
		Cylinder	50L ALTOP	15 bar	7 kg	I1901L50V0A001
		Cylinder	52L ALTOP	15 bar	8,75 kg	I1901L52A0A001
		Cylinder	54L	15 bar	9,6 kg	I1901L54R0A001
		Bundle	V08	15 bar	65 kg	I1901V08R0A001
		Bundle	V09	15 bar	72 kg	I1901V09Z0A001
		Bundle	V11	15 bar	80 kg	I1901V11Z0A001

## Additional information

Maximum operating pressure: 1,5 bar at 15°C

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