



Acetylene

Chemical name	Ethyne		
Formula	C ₂ H ₂		
Purity	≥ 98 vol %		
Impurity	N ₂	< 2000 ppm	
	O ₂	< 1000 ppm	

Packaging	V _{cyl} (l)	M _{gas} (kg)	Dissolved in	Article code
	5	0.9	Acetone	3000105
	10	1.7	Acetone	3000110
	40	7.4	Acetone	3000194 NEMO PLUS*
	50	9.0	Acetone	3000150
	800	144	DMF	3000580
	800	130	Acetone	3000582

Colour according to standard	NEN-EN 1089-3	
Shoulder	Oxide red RAL 3009	
Cylindrical part	Oxide red RAL 3009	
Connection	NEN 3268	Yoke
	* NEN-EN 561	Integrated valve + quick release

Physical properties	Molecular weight (kg/kmol)	26.04
	Density gas (kg/m ³ at 1.013 bar and 0 °C)	1.172
	Relative density (air = 1)	0.908
	Boiling point (°C) (K)	-84.0 respective 189
	Critical temperature (°C) (K)	35.1 respective 308
	Vapour pressure (bar at 20 °C)	44
	Flammability limits (vol % in air)	2.2 - 88

Additional information	Material Safety Data Sheet	MSDS available on www.linde-gas.nl
	Product description	Under pressure dissolved in acetone or dimethyl formamide gas, with typical odour; explosive and lightly inflammable
	Vapour pressure (dissolved gas; bar at 20 °C)	Max 19



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Applications

Autogenous welding and cutting

Flame heating

Flame hardening

Brazing

Blanketing

As chemical element for the preparation of for example

Vinyl chloride, ethanol and acetic acid

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