

ETHYLENE 3.5 / C₂H₄



Air Liquide's Gas Encyclopedia - Pages: 459 - 494

Applications

Laboratory Research
Chemical Synthesis

Transport information

Liquified Gases

Proper shipping name	Ethylene, compressed
UN-Nr	1962
ADR/RID	Class 2
	Classification code 2 F



Safety Data Sheets

Liquefied gas : SDS-055A-CLP

Access: [https://www.msds-al.co.uk/assets/file_assets/SDS-055A_CLP_Ethylene\(74-85-1\).pdf](https://www.msds-al.co.uk/assets/file_assets/SDS-055A_CLP_Ethylene(74-85-1).pdf)

Physical information

Molecular weight	28 g/mol
Relative density:	
Relative density, gas	0,975 (air=1)
Relative density, liquid	0,57 (water=1)
Relative density, liquefied Gas	0,57 (water=1)
Colour	Colorless
Odor	Sweet
CAS number	74-85-1

Properties

Hazards identification: Extremely flammable, inhalation of vapors may cause drowsiness and dizziness

Flammability range: 2.4 to 32.6 (% vol in the air)



Cylinder equipment

Valve fittings

BS341 - No 4

Shoulder colour:

Red (RAL 3000)



Product Specifications

Global purity (% Vol. abs) C ₂ H ₄	Impurities		Supply mode	Packaging size	Pressure	Capacity	Product reference
≥ 99,95 %	H ₂ O	< 5	Cylinder	10L	< 99 bar	3,4 kg	P0492S10R0A001
	O ₂	< 10	Cylinder	50L	< 99 bar	15 kg	P0492L50R0A001
	CO ₂	< 5					
	CnHm	< 430					
	H ₂	< 10					
	N ₂	< 40					
	Total sulphur (S)	< 2					

Additional information

Storability: 60 months

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