

ETHYLENE N25 / C₂H₄



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

Applications

Organic synthesis
R&D

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 : N° EIGA055A
Access: <https://be.airliquide.com/>

Physical information

Molecular weight	28 g/mol
Relative density:	
Relative density, gas	0.975 (air=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

Cylinder: B8 - W 21.8 x 1.814 left-hand, male

Shoulder colour:

Red (RAL 3000)



Product Specifications

Global purity (% Vol. abs)	Impurities (ppm v/v)		Supply mode	Packaging size	Pressure	Capacity	Product reference
C ₂ H ₄							
> 99,5 %	H ₂ O	< 50	Cylinder	50L	50.8 bar	17 kg	P0490L50R0A001
	O ₂	< 300					
	CO ₂	< 30					
	CnHm	< 1000					
	H ₂	< 50					
	N ₂	< 1500					
	Total sulphur (S)	< 2					

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