

# ETHANE N35 / C<sub>2</sub>H<sub>6</sub>



Air Liquide's Gas Encyclopedia - Pages: 521 - 528

## Applications

Organic synthesis  
R&D

## Transport information

### Liquified Gases

Proper shipping name	Ethane
UN-Nr	1035
ADR/RID	Class 2 Classification code 2 F



## Safety Data Sheets

Liquefied gas : N° EIGA051A  
Access: <https://be.airliquide.com/>

## Physical information

Molecular weight	30 g/mol
Relative density:	
Relative density, gas	1 (air=1)
Colour	Colorless
Odor	odorless, foul smell product often added
CAS number	74-84-0

## Properties

**Hazards identification:** Extremely flammable, can cause asphyxiation

**Flammability range:** 2.4 to 14.3 (% vol in the air)

**Personal protection:** Ensure adequate ventilation



## 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)  C <sub>2</sub> H <sub>6</sub>	Impurities (ppm-mol)	Supply mode	Packaging size	Pressure	Capacity	Product reference
> 99,95 %	H <sub>2</sub> O < 5 ppm mol	Cylinder	10L	33 bar	3 kg	P0502S10R0A001
	O <sub>2</sub> < 10 ppm mol	Cylinder	50L	33 bar	14 kg	P0502L50R0A001
	N <sub>2</sub> < 40 ppm mol					
	CO <sub>2</sub> < 5 ppm mol					
	C <sub>n</sub> H <sub>m</sub> < 25 ppm mol (n>2)					
	CH <sub>4</sub> < 25 ppm mol					
	C <sub>2</sub> H <sub>4</sub> < 350 ppm mol					
	H <sub>2</sub> < 40 ppm mol					

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