

# ETHYLENE N35 / C<sub>2</sub>H<sub>4</sub>



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  
Bundle: WW 1" 1/8 left-hand, male

### Shoulder colour:

Red (RAL 3000)



## Product Specifications

| Global purity (%<br>Vol. abs)<br><br>C <sub>2</sub> H <sub>4</sub> | Impurities<br>(ppm v/v) |       | Supply mode | Packaging size | Pressure | Capacity | Product reference |
|--|-------------------------|-------|-------------|----------------|----------|----------|-------------------|
| > 99,95 %  | H <sub>2</sub> O        | < 5   | Cylinder    | 10L            | 50.8 bar | 2,8 kg   | P0492S10R0A001    |
|  | O <sub>2</sub>          | < 10  | Cylinder    | 50L            | 50.8 bar | 17 kg    | P0492L50R0A001    |
|  | CO <sub>2</sub>         | < 5   |             |                |          |          |                   |
|  | CnHm                    | < 430 |             |                |          |          |                   |
|  | H <sub>2</sub>          | < 10  |             |                |          |          |                   |
|  | N <sub>2</sub>          | < 40  |             |                |          |          |                   |
|  | Total sulphur (S)       | < 2   |             |                |          |          |                   |

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