

# ETHYL CHLORIDE (C<sub>2</sub>H<sub>5</sub>Cl)

Synonyms : Monochlorethane; Chloroethane; Chloryl;  
(Refrigerant R-160)



AIR LIQUIDE

## Gas Description

Ethyl Chloride is a colourless gas with a pungent ethereal odor with narcotic properties. It is flammable and slightly toxic with a gas density at STP 2.73 kg/m<sup>3</sup>.

### Typical applications :

Solvent  
Ethylation agent in dye industry  
Refrigerant  
Local anesthetic

### Transport Regulations :

UN Number : 1037  
Shipping Name : ETHYL CHLORIDE  
Class : 2.1: Flammable gases  
CAS Number : 75-00-3  
Hazchem : 2WE

[Click here](#) for MSDS  
[Click here](#) for more information

## Physical Properties

Chemical symbol : C<sub>2</sub>H<sub>5</sub>Cl  
Molecular weight : 64.52  
Specific gravity (Air=1) : 2.22  
Specific volume (m<sup>3</sup>/kg) : 0.37  
Critical temperature : 187°C  
Boiling point : NDA

Melting Point : NDA  
Critical pressure (bar) : 52.72  
Major hazards : Fire  
Toxicity : TWA 1000ppm STEL  
Flammability Range : 3.8 - 15.4%  
Odour : Pungent, Ether-like

[Click here](#) for more information

## Application

### INDUSTRY

#### Chemicals

### APPLICATION

Due to concerns about its ozone-depleting potential, the consumption of ethyl chloride is continuously decreasing.  
The applications as foaming agent, refrigerant propellant or in tetraethyl lead manufacture has disappeared.

[Click here](#) for more information

## Ethyl Chloride

### Gas

Typical impurities  
(ppm molar)

### Cylinder information

Cylinder Size

Valve Connection

Pressure (kPa)

Contents (m<sup>3</sup>)

Available Upon Request  
Call For Supply Information

### Recommended Equipment

For further information [Contact](#) the specialty gases representative in your region.