

# ETHYLENE DICHLORIDE

CAS Number: 107-06-2

Other Names: 1,2-Dichloroethane; 1,2-DCA; Dichloroethylene;  
DCE; Ethane dichloride; Dutch liquid, Dutch oil; Freon 150

Formula:  $\text{ClCH}_2\text{CH}_2\text{Cl}$  or  $\text{C}_2\text{H}_4\text{Cl}_2$

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## PRODUCT INTRODUCTION

Ethylene Dichloride is a clear, colorless, oily, synthetic, flammable liquid chlorinated hydrocarbon with a pleasant chloroform-like smell that emits toxic fumes of hydrochloric acid when heated to decomposition. It is miscible in methanol, diethyl ether, n-octanol, acetone, very slightly miscible in water.

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## PHYSICAL AND CHEMICAL PROPERTIES

Acidity (as HCl)	1.67 ppm wt.
Appearance	Clear Liquid
Color (APHA)	10 APHA
Distillation Range	0.3°C
Iron	0.20 ppm wt.
Density at 15°C	1.2602 g/mL
Water	30 ppm wt.
Purity	99.98 wt. %
High Boilers	187 ppm wt.
Low Boilers	41 ppm wt.
Benzene	< 1 ppm wt.
Residue on Evaporation	< 5 ppm wt.
Free Chlorine	NIL

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## APPLICATIONS

- Ethylene Dichloride is majorly used to make vinyl chloride, and chlorinated solvents (trichloroethane, trichloroethylene, perchloroethylene, and vinylidene), remove grease, resins, glue and dirt.
- It is also used as a solvent in the manufacturing of polystyrene and SBR latex.

- It is added to leaded petrol as an anti-knock compound.
  - It is also used in polyvinyl chloride (PVC) pipes, packaging materials, furniture, auto mobile parts, wall coverings and housewares.
  - It is also used generally as an intermediate for other organic chemical compounds and as a solvent.
  - Ethylene dichloride is commonly employed as fumigant residues for wheat, flour, bran, middling and bread.
  - It is also used as solvent for the isomer distribution in the acetylation of benzene and toluene under the influence of aluminum chloride.
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## **PACKING OPTIONS**

Tanks

Drums

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