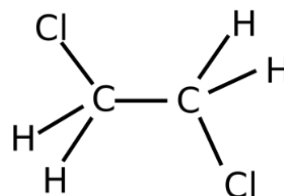




**Ethylene Dichloride (EDC)**, also known as 1,2 dichloroethane, is a chlorinated hydrocarbon. Under normal temperature and pressure conditions, it is a colourless liquid.

#### Key Properties

Chemical formula	C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub>
CAS number	107-06-2
Molar mass	98.95 g/mol
Density	1253 kg/m <sup>3</sup>
Melting point	-35°C
Boiling point	84°C



#### Product Safety

EDC is a highly flammable, toxic and possibly carcinogenic product. It causes skin, eye and respiratory irritation. For more details and information on precautions to be taken, please refer to our Material Safety Data Sheet which is available on request.

#### Production

EDC is produced by chlorination of ethylene, which can be done via two routes:

- Direct chlorination, using chlorine gas (Cl<sub>2</sub>)
- Oxychlorination, using hydrochloric acid (HCl)

#### Applications

The main application for EDC is the production of vinyl chloride, often referred to as Vinyl Chloride Monomer (VCM), which is the raw material for producing PVC.

It is also used as an intermediate in the production of organic derivatives.

#### Quality

The table below shows the most important quality parameters of the Vynova EDC specification. A more detailed specification can be obtained on request.

<b>Purity</b>  <b>Min 99.9</b> <b>% w/w</b>	<b>Low Boiling Chlorinated Hydrocarbons</b>  <b>Max 300</b> <b>mg/kg</b>	<b>High Boiling Chlorinated Hydrocarbons</b>  <b>Max 400</b> <b>mg/kg</b>	
<b>Acidity (as HCL)</b>  <b>Max 5</b> <b>mg/kg</b>	<b>Water</b>  <b>Max 100</b> <b>mg/kg</b>	<b>Colour</b>  <b>Max 15</b> <b>APHA</b>	<b>Iron (Fe)</b>  <b>Max 1</b> <b>ppm w/w</b>

**Contact us :**

[enquiry@vynova-group.com](mailto:enquiry@vynova-group.com) or [www.vynova-group.com](http://www.vynova-group.com)