

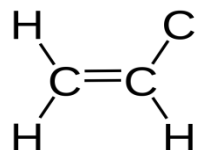


Vinyl chloride, also called chloroethene, is a chlorinated hydrocarbon.

It is mostly referred to as VCM (Vinyl Chloride Monomer) due to its primary use as a raw material for the production of polyvinylchloride. Under normal temperature and pressure conditions, VCM is a gas.

Key Properties

Chemical formula	C ₂ H ₃ Cl
CAS number	75-01-4
Molar mass	62.5 g/mol
Density (liquid, at 20°C)	911 kg/m ³
(liquid, at -20°C)	983 kg/m ³
Melting point	-154°C
Boiling point	-13°C
Vapour pressure at -20 °C	78 kPa

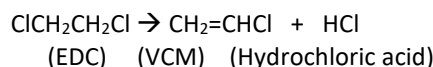


Product Safety

VCM is a highly flammable, toxic and carcinogenic product, requiring extensive handling precautions. For more details, please refer to our Material Safety Data Sheet which is available on request.

Production

At Vynova, VCM is produced by thermal cracking of ethylene dichloride (EDC) according to the following chemical reaction:



Applications

VCM is almost exclusively used for the production of polyvinyl chloride (PVC).

Quality

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

Purity Min 99.98 % w/w	Ethyl Chloride Max 50 mg/kg	Methyl Chloride Max 80 mg/kg
Water Max 100 mg/kg	Acidity (as HCL) Max 1 mg/kg	Iron (Fe) Max 1 ppm w/w

Contact us :

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