

**ETHYLENE DICHLORIDE – EDC****Description:**

Obtained from the exothermic reaction of ethylene chlorination, the product is an oily liquid, clear and colorless substance that presents a sweet chloroform-like odor and can be commercialized even before distillation.

**Applications:**

Chemical Intermediate product in the manufacture of: VCM/PVC; solvent for resins; ethylene glycol and others. Used as a solvent for fats, oils and waxes; in metal cleaning industries and in other solvents formulae. Widely used in natural products extract, such as steroids, vitamin A, caffeine, tobacco and many others.

**Physical-Chemical Properties:**

	Value
Chemical Formula	CH <sub>2</sub> Cl-CH <sub>2</sub> Cl
Molecular Weight	98,96
Melting Point	-35,4°C
Boiling Point	83,6°C
Vapor Pressure	66,1 mmHg a 20°C
Evaporation Rate	77,3 kcal/kg
Relative Density	1,25 g/cm <sup>3</sup> (25°C)

**Specification:**

	Unit	EDC-Distilled Typical Analysis (unid. CS-AL)	EDC-Distilled Specification Internal/Guarantee (unid. CS-AL)
1,2 DCE	%	99,9	99,9 min
Lighters than 1,2 EDC	µg/g	50	100 max
Heaviers than 1,2 EDC	µg/g	170	300 max
Acidity	µg/g	00,8	1,0 max
Alkalinity	µg/g	None	1,0 max
Free Chlorine	µg/g	None	None
Humidity	µg/g	6,3	30 max
Density (20,4°C)	g/L	1.253	1.253 min
Non volatile residue	µg/g	3,1	20 max
Iron Total	µg/g	0,2	1,0 max
Color	Alpha	15	25 max

**Packaging and Storage:**

Can be shipped to customers via ships, barges, tank trucks, iso-tanks or drums.

**Precautions and Safety:**

Please refer to the MSDS (Material Safety Data Sheet).

**Validity:**

Physical and chemical characteristics of 1,2 Ethylene Dichloride-EDC will depend on handling and storage conditions. Under the appropriate conditions the product will remain stable up to six months.