

Ethylene Dichloride (EDC)

C₂H₂Cl₂

Product Description:

Ethylene dichloride (EDC) is a colorless to yellowish liquid with a faint chloroform-type odour.

EDC is used primarily in the production of vinyl chloride monomer (VCM). EDC is produced by oxychlorination and direct chlorination of ethylene.

	TYPICAL TEST	UNIT	SPECIFICATION	TEST METHOD
1	Ethylene Di Chloride	Wt %	0.870-0.873	Uhde GC No:39
2	DENSITY @ 15.6°C	Kr/m ³	1253	
3	Low Boils (<83.5°C)	ppm at wt	Max 300	Uhde GC No:39
4	Low Boils (>83.5°C)	ppm at wt	Max 600	Uhde GC No:39
5	Total organic impurities	Wt%	0.1	Uhde GC No:39
6	Non Volatile Matter	ppm at wt	15	Uhde GC No:18
7	Hydrogen Chloride	ppm at wt	Max 5	Uhde GC No:4
8	Water	ppm at wt	Max 15	Uhde GC No:13
9	Total Iron	ppm at wt	Max 0.5	Uhde GC No:25
10	Free Chlorine	ppm at wt	Max. 2	Uhde GC No:10
11	Co or (APHA)	ppm at wt	Max 10	Uhde GC No:19

Processing and Applications:

The largest use of Ethylene dichloride is in the production of vinyl chloride monomer (VCM). More than half of the total VCM consumption is for construction-related applications with Pipe being the largest single product. Other products made from PVC resins include flooring, Packaging film sheets and bottles.