



Specialized in chemicals

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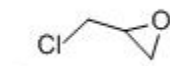
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Technical Data Sheet

Epichlorohydrin

Product Information

Product Name	Epichlorohydrin
Synonyms	ECH; (Chloromethyl)ethylene oxide; Epichloorhydrine; 1-Chloro-2,3-epoxypropane;
CAS No.	106-89-8
EINECS No.	203-439-8
Molecular formula	C3H5ClO
Molecular weight	92.52
Chemical structure	



Physical Properties

Appearance	Colorless oily liquid. Stimulating, such as the smell of the ether and chloroform; Flammable; volatile, toxicity and narcotics.
Melting Point	-57°C
Boiling Point	115-117°C
Flashing Point	28°C
Density	1.183g/mL at 25°C
Refractive Index	1.4365-1.4385
Vapor Pressure	22mmHg at 25°C
Solubility	With ethanol, propanol, ethyl ether, chloroform, acetone, trichloroethylene and carbon tetrachloride, many organic solvents miscibility, soluble in benzene, slightly soluble in water,

Specification

<u>Index name</u>	<u>Specification</u>
Appearance	Colorless to pale yellow liquid
Purity	≥99.50%
Color (APHA)	≤15
Moisture	≤0.1%
Density (20°C)	1.180~1.183 g/cm ³

Safety

DOT Classification: CLASS 6.1: Poisonous material. Marine pollutant

Identification: : Epichlorohydrin : UN2023 PG: II

Special Provisions for Transport: Not available.

Always refer to the Material Safety Data Sheet (MSDS)

Applications

ECH is important organic chemical raw material, mainly used to produce epoxy resin and glycerin, nitroglycerine, glass reinforced plastic and electric insulating materials, also used as solvent of cellulose ester, resin and cellulose ether and raw materials of producing plasticizer, stabilizer, surface active agent and epichlorohydrin rubber

Packaging

225kg/galvanized iron drumx80drums=18tons/1x20' FCL

25tons/ISO Tank

Storage & Handling

Keep away from the fire and heat. Store in a cool, dry place. Keep containers tightly closed.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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