



Chemieresin Industries Pvt. Ltd.

Plot No. 901/A, Phase - 4, GIDC - Naroda, Ahmedabad - 382330

Technical Data Sheet

Product : Epoxy Resin CR - 110

Type : Unmodified Epoxy Resin.

Description :

Epoxy resin based on Bisphenol A and Epichlorohydrine .

Specifications :

1) Appearance	Water Clear Liquid
2) Density @ 250 C.	1.07 - 1.12
3) Viscosity @ 250 C CPS	11000-14000
4) Colour (Gardner)	1 max.
5) Epoxide Value(mg.koh/gm)	5.15 -5.40

Solubility :

CR110 is soluble in alcohols, esters, ketones, glycol ethers and aromatic hydrocarbons, and is insoluble in aliphatic hydrocarbons and water.

Compatibility :

CR110 is compatible with reactive diluents, plastisizers, and other modified epoxy resins. It can be cured with amine, anhydride, polyamide and other hardeners commonly used with epoxy resins.

Applications :

CR110 finds applications in castings, encapsulations, floorings, potting, adhesives, laminating, reinforced plastics, filament windings, coatings & electrotechnical requirements. CR110 is used in room temperature curing and heat curing systems for casting, potting, encapsulation of electrical and electronic components such as magnet coil, high voltage coils in the construction of transformers, instrument transformers, slip rings, solenoid coils, capacitors, switchgear components, high voltage insulators, electronic circuits, etc.

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Material Safety Data :

Product name	CR110
Flash point 0 C. (Abel closed cup)	115
Flammability	Combustible
Toxicity	Mild toxic
Handling	Keep away from sources of ignition, provide all electric connections of flame-proof design. Wear safety glasses, rubber gloves and protective clothings.

Emergency treatment and measures

1 Hygienic precautions	Adequate ventilations.
2 Hygienic treatments (First Aid)	Flush eyes thoroughly with water. Apply ophthalmic cortisone for conjunctivitis and keratities. Wash out contaminated skin with soap and water. Gastric lavage (stomach wash), if swallowed, followed by saline catharsis.
3 Fire precautions (in case of outbreaks)	Use dry chemical or carbon dioxide. Water spray may help to keep containers cool, to dilute leaked resins and to diffuse vapours.

Spills and leakage	Absorb liquid materials in sand and collect solid material and burn under hood in incinerator.
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Disposal and waste treatment	Spray into furnace under controlled conditions.
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Storage :

CR110 should be stored in cool place under shade. The properties are so adjusted to have

storage stability of minimum 6 months.

Packing :

25 kgs, 50 kgs. Plastic carboys & 235 / 220 kgs. M.S. Barrels OR Plastic Barrels.

Disclaimer :

Information in this literature is to the best of our knowledge true and accurate. However, since conditions under which our products may be used are beyond our control, recommendations are made without warranty or guarantee.