



# Chemieresin Industries Pvt. Ltd.

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

## Technical Data Sheet

### Product : CR 130

#### Type :

Liquid epoxy resin modified with plastisizer.

#### Description :

Modified liquid epoxy resin based on Bisphenol A and Epichlorohydrine.

#### Specifications :

1) Appearance	Water Clear Liquid
2) Density @ 25 <sup>o</sup> C.	1.12 - 1.13
3) Viscosity @ 25 <sup>o</sup> CPS	1000 - 1500
4) Colour (Gardner)	1 max.
5) Epoxide equivalent weight	220 - 240

#### Solubility :

CR 130 is soluble in alcohols, esters, ketones, glycol ethers, aromatic hydrocarbons and is insoluble in aliphatic hydrocarbons and water.

#### Compatibility :

CR 130 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 :

As CR 130 is modified with plasticizer, it increases resiliency of the cured products and makes it suitable for low temperature applications. CR 130 finds applications in castings, encapsulations, floorings, potting, adhesives, laminating, reinforced plastics, filament windings, coatings & electrotechnical requirements. CR 130 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.

**Suggestive Formulations :**

1) Electrical casting composition

kgs.

CR 130	100
Hardener 751	10

Procedure: Mix resin and hardener and then add filler under continuous mixing. Consume casting composition immediately.

Pot life @ 25 <sup>o</sup> C., 1 kg. mass, hr.	1
Cure @ 25 <sup>o</sup> C., hrs.	6 - 8
Compressive strength, kg/mm <sup>2</sup>	10 - 11
Martens heat distortion temp. <sup>o</sup> C.	55 - 60 %

**Material Safety Data :**

Product name	CR 130
Flash point <sup>o</sup> C. (Abel closed cup)	204
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 keratitis. 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 vapors.

Spills and leakage

Absorb liquid materials in sand and collect solid material and burn under hood in incinerator.

Disposal and waste treatment

Spray into furnace under controlled conditions.

**Storage :**

CR 130 should be stored in cool place under shade. The properties are so adjusted to have storage stability of minimum 6 months.

**Packing :**

25 kgs. M.S. drums, 50 kgs. Plastic carboys and 200 kgs. M.S. 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.