


**Aditya Birla Chemicals (Thailand) Ltd. (Epoxy Division)**
**EPOTEC RD 110**
**Description**

Epotec RD 110 is the mono-glycidyl ether of 2-ethyl hexanol. The primary use of epotec RD 110 is as a reactive diluent for high viscosity epoxy resins. Epotec RD 110 is compatible in all concentrations and those resin blends can be cured with variety of curing agents.

As with all monofunctional aliphatic reactive diluents, increase in the level of epotec RD 110 in the epoxy resin blend will increase pot life and modify cured resin properties. Epotec RD 110 posses the lowest viscosity in all the epotec brand reactive diluents. Epotec RD 110 also shows greater dilution efficiency than other epotec brand reactive diluents at same concentrations.

**Applications**

- Flooring, grouts and other construction applications
- Coatings
- Potting and encapsulation
- General purpose adhesives

**Specification**

Appearance	Visual	Clear liquid
Colour	ASTM D 1544-04	0.5 G max.
Epoxy Equivalent weight	ASTM D 1652-04	215 – 230 g/eq
Viscosity @25°C	ASTM D 2196-05	2 – 15 cP
Hydrolysable Chlorine	ASTM D 1726-03	0.1 % max.
Water content	ASTM E 203-01	0.1 % max.
Epichlorohydrin content	TEC-AS-P-023	10 ppm max.

**Typical properties \***

Epoxide Value	ASTM D 1652-04	4.35 – 4.65
Density @25°C	ASTM D 1475-98	0.9 g/ml
Non-volatile content	ASTM D 1259-06	100 %
Flash point	ASTM D 93	93 °C

\* = Typical properties are indicated for information only

**Packing** Epotec RD 110 is packed and delivered in steel drums, 190 kg per drum as a standard pack.  
Other packs are available on request.

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**Storage** Epotec RD 110 reactive diluent should be stored in original tightly closed container, in dry and warm conditions. Under these conditions, it has a storage life of at least two years from the date of manufacturing.

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**Handling** Please refer to the MSDS of the product for more instructions on safe storage and handling of epotec RD 110.

**Disclaimer**

All recommendations for use of our products whether given by us in writing, verbally or to be implied from the results of tests carried out by us are based on the current state of our knowledge. Although, the information contained in this sheet is accurate, no liability can be accepted in respect of such information. We warrant only that our product will meet the designated specifications and make no other warranty either express or implied, including any warranty of merchantability or fitness for a particular purpose as the conditions of application are beyond our control.

**For Additional Information, Please Contact:**

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