


**Aditya Birla Chemicals (Thailand) Ltd. (Epoxy Division)**
**EPOTEC RD 113**
**Description**

Epotec RD 113 is a low viscosity trifunctional epoxy reactive diluent based on trimethylol propane. Being trifunctional epotec RD 113 provides excellent cross link density in the cured mass. The higher cross link density helps in improving the chemical resistance of the formulations based on conventional bis-A epoxy resins. Epotec RD 113 also has minimum effect on the HDT and glass transition temperature of the cured mass.

Epotec RD 113 can be blended with conventional as well as polyfunctional epoxy resins. The products so blended can be cured with all standard curing agents suitable for epoxy resins. Epotec Rd 113 generally can be used at higher concentrations than mono- or di-glycidyl diluents.

**Applications**

- Chemical resistant coatings
- Fast setting Adhesives and sealants
- Tank linings
- Abrasion resistant castings
- Encapsulation and other electronic applications

**Specification**

Appearance	Visual	Clear liquid
Colour	ASTM D 1544-04	0.5 G max.
Epoxy Equivalent weight	ASTM D 1652-04	130 – 150 g/eq
Viscosity @25°C	ASTM D 2196-05	100 – 250 cP
Hydrolysable Chlorine	ASTM D 1726-03	0.1 % max.
Water content	ASTM E 203-01	0.1 % max.

**Typical properties \***

Epoxide Value	ASTM D 1652-04	6.67 – 7.69
Density @25°C	ASTM D 1475-98	1.12 g/ml
ECH content	TEC-AS-P-023	10 ppm max.
Non-volatile content	ASTM D 1259-06	100 %
Flash point	ASTM D 93	> 100 °C

\* = Typical properties are indicated for information only

**Packing** Epotec RD 113 is packed and delivered in steel drums, 220 kg per drum as a standard pack.  
Other packs are available on request.

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**Storage** Epotec RD 113 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 113.

**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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