


**Aditya Birla Chemicals (Thailand) Ltd. (Epoxy Division)**
**EPOTEC RD 103**
**Description**

Epotec RD 103 is a low viscosity, aliphatic di-epoxide compound based on 1,4-butane diol. It is intended for use as a reactive diluent for high viscosity epoxy resins. Epotec RD 103 is compatible in all concentrations with all common epoxy resins. These resin/diluent blends can be cured using variety of curing agents.

The di-functionality of epotec RD 103 helps to produce formulations with improved toughness. The di-fuctionality of epotec RD 103 also helps in retaining the chemical resistance characteristics of the system to a large extent.

**Applications**

- Structural adhesives
- Coatings
- Civil engineering
- Filament winding, lamination
- Electronic encapsulation

**Specification**

Appearance	Visual	Clear liquid
Colour	ASTM D 1544-04	0.5 G max.
Epoxy Equivalent weight	ASTM D 1652-04	130 – 145 g/eq
Viscosity @25°C	ASTM D 2196-05	12 – 22 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	6.90 – 7.69
Density @25°C	ASTM D 1475-98	1.1 g/ml
ECH content	TEC-AS-P-023	10 ppm max.
Non-volatile content	ASTM D 1259-06	100 %
Flash point	ASTM D 93	140°C

\* = Typical properties are indicated for information only

**Packing** Epotec RD 103 is packed and delivered in steel drums, 210 kg per drum as a standard pack.  
Other packs are available on request.

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**Storage** Epotec RD 103 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 103.

**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:**  
**Aditya Birla Chemicals (Thailand) Ltd. (Epoxy Division)**  
Mahatun Plaza Bldg., 16<sup>th</sup> Floor 888/167 Ploenchit Road, Lumpini, Bangkok 10330 Thailand  
Tel: (662) 2535031-3, Fax: (662) 2535030  
Web Site: [www.adityabirlachemicals.com](http://www.adityabirlachemicals.com), E-Mail: [epoxymktg@adityabirla.com](mailto:epoxymktg@adityabirla.com)