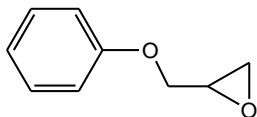


Description

Lapox ARD-11 is a clear low viscosity liquid, aromatic mono epoxide reactive diluent based on phenol. It is compatible with all types of epoxy resin in any proportion. Resins diluted with Lapox ARD-11 can be suitably cured by epoxy curing agents for variety of applications. Higher proportion imparts flexibility in cured system and hence affects glass transition temperature significantly.

Chemical structure



Advantages

- High resistance to solvents and ammonia
- Improves wetting and process ability
- Low volatility
- Practically no reduction of hardness
- Reduces viscosity while maintaining most cured properties

Applications

- Adhesives and tooling systems
- Casting and potting of electrical and electronic components
- Civil engineering and flooring
- Glass fiber lamination
- Solvent containing coatings
- Solvents free

Typical specifications

Properties	Unit	Test method	Values
Appearance	-	Visual	Clear liquid
Colour	GS	ASTM D1544	Max 2
Epoxy value	Eq/kg	ASTM D1652	5.90 - 6.30
Epoxy equivalent weight (EEW)	g/eq	ASTM D1652	159 - 170
Viscosity at 25°C	m Pas	ASTM D2196	6 - 8
Hydrolysable chlorine	%	ASTM D1726	Max 0.20

Packaging

Lapox ARD-11 is available in 220 kg MS drums and 1,050 kg IBC. Other packing may be considered on request.

Storage and handling

Lapox ARD-11 should be stored in a cool and dry place, preferably in the sealed container and should not be exposed to direct sunlight. This product has a shelf-life of 2 years, if stored in its original container between 2°C and 40°C away from humidity and excessive heat. This may cause pronounced skin irritation, therefore rubber gloves, eye protection creams and breathing mask are recommended. Please refer to the Safety Data Sheet (SDS) for detailed instructions on storage and handling.

Safety

Wear personal protective equipment (PPE). Avoid contact with the eyes and skin. In case of direct contact and irritation, the resin should be washed off immediately with soap and warm water. Avoid breathing vapours, mist or gas. Please refer to the SDS for detailed safety instructions.

Lapox[®] ARD-11

Technical Data Sheet | Polymers Business



Spills and disposal

In case of spills, sweep up and shovel the spilled material. Keep spilled material in suitable, closed containers for disposal. Flush area with water to remove trace residue. Do not allow the product to reach the sewage system. Waste must be disposed of in accordance with federal, state or local regulations, as applicable.

Contact

E-mail: polymers@atul.co.in
Website: www.atul.co.in

Note

Lapox[®] is a registered trademark of Atul Ltd.

Manufacturing site

Atul 396 020, Gujarat, India
Telephone: (+91 2632) 230000 | 233261
E-mail: contact@atul.co.in

Disclaimer: The information contained herein is for information purposes only. While enough care is taken in disclosing the information, users of this information are advised to cross-check the same depending upon use | application. Atul Ltd does not give any assurance or warranty or guarantee in regard to the accuracy or completeness of the information and no claim or liability will be accepted or entertained in regard thereto. Atul Ltd makes no warranty of any kind, expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose or performance or usage of trade.