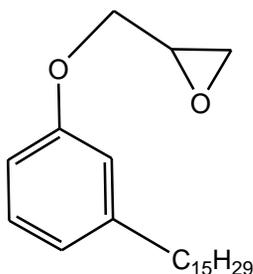


Description

Lapox ARD-58 is a light-brown coloured, high purity, low viscosity monofunctional reactive diluent based on cashew nut shell liquid. It is intended for use as a reactive diluent for high viscosity epoxy resins. Due to its low viscosity, excellent miscibility with DGEBA, polar aromatic character, it is preferred as a reactive diluent of epoxy resins especially for those applications where special properties after curing like high chemical resistance and moisture resistance are required.

Chemical structure



Advantages

- High resistance to solvents and ammonia
- Improves low temperature curing and moisture resistance
- Improves wetting and process ability
- Practically no reduction of hardness
- Reduces viscosity while maintaining most cured properties

Applications

- Civil engineering and flooring
- FRP composites
- Protective coatings
- Structural adhesives

Typical specifications

Properties	Unit	Test method	Values
Appearance	-	Visual	Yellow to brown liquid
Colour	GS	ASTM D1544	Max 10
Epoxy value	Eq/kg	ASTM D1652	2.2 - 2.6
Epoxy equivalent weight (EEW)	g/eq	ASTM D1652	385 - 455
Viscosity at 25°C	m Pas	ASTM D2196	20 - 50
Hydrolysable chlorine	%	ASTM D1726	Max 1

Packaging

Lapox ARD-58 is available in 200 kg HDPE drums. Other packing may be considered on request.

Storage and handling Lapox ARD-58 should be stored in a cool and dry place, preferably in a 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.

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 Safety Data Sheet (SDS) of Lapox ARD-58 for detailed safety instructions.

Spills and disposal In case of spills, sweep up and shovel the spilled material. Keep spilled material in suitable, closed containers for disposal. Soak up with an absorbent such as clay, sand or other suitable material. 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
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Note Lapox[®] is a registered trademark of Atul Ltd.

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