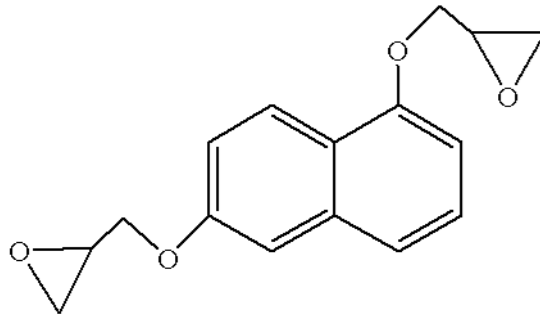


## Description

Lapox ARN-16 is an unmodified, medium viscosity liquid epoxy resin based on 1,6-dihydroxy naphthalene. When it is used with appropriate epoxy hardener, it provides excellent combination of properties including mechanical, toughness, chemical resistance and low moisture absorption. It provides high glass transition temperature than the conventional bisphenol-A and bisphenol-F based epoxy resins, near to multifunctional glycidylamines epoxy resins.

## Chemical structure



## Advantages

- Fast reacting
- Good heat resistance
- Good mechanical strength
- High chemical resistance
- High glass transition temperature

## Applications

- High performance composite components
- High performance structural adhesives
- Laminating
- Resin modifier

## Typical specifications

Properties	Unit	Test method	Values
Appearance	-	Visual	Orange-red liquid
Colour	GS	ASTM D1544	Max 16
Epoxy value	Eq/kg	ASTM D1652	6.50 - 7.5
Epoxy equivalent weight (EEW)	g/eq	ASTM D1652	133 - 154
Viscosity at 50°C	m Pas	ASTM D2196	1,000 - 2,500
Hydrolysable chlorine	%	ASTM D1726	Max 0.2

## Packaging

Lapox ARN-16 is available in 200 kg MS drums. Other packing may be considered on request.

**Storage and handling** Lapox ARN-16 should be stored in 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. It may crystallise if stored for prolonged periods in certain conditions. Crystallisation can be reversed after heating between 70°C and 80°C with stirring.

**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 ARN-16 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.

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**Note** Lapox<sup>®</sup> is a registered trademark of Atul Ltd.

## Manufacturing site

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