

## ERISYS® RDGE-H Resorcinol Diglycidyl Ether Low-Viscosity Aromatic Epoxy Resin

### Product Description

ERISYS® RDGE-H resin is a high-purity resorcinol epoxy resin that exhibits lower viscosity and improved storage stability than our standard resorcinol resin. It is compatible with all standard curatives and most resin systems and solvents. When used as a modifier in epoxy or other resin systems, resorcinol diglycidyl ether (ERISYS® RDGE resin) imparts excellent strength and low shrinkage characteristics with maximum retention of physical properties and chemical resistance versus conventional epoxy diluents.

### Applications

- Conductive adhesives
- Prepregs and composites
- Chemical resistance coatings
- Viscosity modifier for epoxy novolacs

### Typical Properties

Property	ERISYS® RDGE-H
Appearance	Clear, Clean
Viscosity at 25°C, cP	200 – 325
Epoxide Equivalent Weight, g/eq	115 – 122
Gardner Color, max	2
Residual Epichlorohydrin, max ppm	10
Hydrolyzable Chloride, max %	0.10
Weight per Gallon at 25°C, lbs.	10.0 ± 0.1
Flash Point, COC, °C (°F)	177 (350)

## Storage

**ERISYS RDGE-H®** resin should be stored in a dry place, in the sealed original containers, at temperatures between **+2°C and +40°C (+35.6°F and +104°F)**. Under these storage conditions, the products have a shelf life of **24 months** (from date of manufacture). The products should not be exposed to direct sunlight.

Due to the very high purity of **ERISYS® RDGE-H** resin, crystallization of this product is likely to occur. The crystallized resin can be re-liquified without damage to the resin by opening the bung and heating to a temperature of 50-60°C. Re-liquified resin should be mixed before sampling or partial use of drum. **ERISYS® RDG-H** resin can be stored at 50°C to prevent recrystallization, however, it is not recommended to store at 50°C for more than two weeks.

## Precautionary Statement

Huntsman Advanced Materials Americas LLC maintains up-to-date Safety Data Sheets (SDS) on all of its products. These sheets contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products. Users should review the latest SDS to determine possible health hazards and appropriate precautions to implement prior to using this material.

### First Aid!

Refer to SDS as mentioned above.

**KEEP OUT OF REACH OF CHILDREN**

**FOR PROFESSIONAL AND INDUSTRIAL USE ONLY**

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