

An Emerald Performance Materials Company**ERISYS® GE-38****Polyglycerol-3-Polyglycidyl Ether****Aliphatic Trifunctional Epoxy****CAS NO. 118549-88-5****DESCRIPTION**

ERISYS GE-38, epoxidized Polyglycerol, is a medium viscosity, aliphatic triepoxide. GE-38 is compatible with most standard epoxy resins at all concentrations and can be cured using any epoxy resin curing agent.

APPLICATIONS

- Crosslinking of Acid Functional Resins
- Reactive Diluent for Adhesives, Coatings, Potting, and Encapsulation
- Use in Sizing Compositions for Carbon Fiber
- Super Elastic Epoxy Hydrogels
- Preparation of Membranes for Reverse Osmosis with High Fouling Resistance
- Antimicrobial Fabrics
- Preparation of Porous Polymers for use in Specialized Filters with Biological Applications

TYPICAL PROPERTIES

Appearance	Clear, Clean
Viscosity @ 25°C, cps	1070-1390
Epoxide Equivalent Weight, g/eq	160-180
Gardner Color, max	4
Residual Epichlorohydrin, max ppm	10
Hydrolyzable Chloride, max %	1.0
Weight per Gallon, @ 25°C lbs.	10.2
Flash Point, °C (°F)	>93 (200)

HEALTH & SAFETY RECAUTIONS

ERISYS GE-38 is not a primary skin irritant and sensitizer. However, as with any epoxy material, irritation can result from repeated or prolonged contact. The symptoms of this irritation may appear as a mild reddening or a more pronounced rash. It is, therefore, important to avoid skin contact where possible. Rubber gloves, full eye protection, and protective clothing are recommended.

Refer to the CVC Thermoset Specialties Material Safety Data Sheet on ERISYS GE-38 for additional safety & handling information. The MSDS is revised as new data becomes available.

REGULATORY STATUS

ERISYS GE-38 is not TSCA registered and therefore not available for sale in the United States. Samples are available for R&D use only. See the MSDS on this product for additional information on worldwide inventory status.

PACKAGING & AVAILABILITY

ERISYS GE-38 is available in 55-gallon steel non-returnable drums (441 lbs. net) and 5 gallon plastic pails (45 lbs. net).

CVC Thermoset Specialties844 North Lenola Road / Moorestown, NJ 08057 / Phone: 856-533-3000 / Fax: 856-533-3003 / www.cvcthermoset.com

DISCLAIMER

The information contained herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or the results to be obtained there from. The information is based on laboratory work with small-scale equipment and does not necessarily indicate end product performance. Because of the variations in methods, conditions, and equipment used commercially in processing these materials, no warranties or guarantees are made as to the suitability of the products for the applications disclosed. Full-scale testing and end product performance are the responsibility of the user. CVC Thermoset Specialties shall not be liable for and the customer assumes all risk and liability of any use or handling of any material beyond CVC's direct control. THE SELLER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein is to be considered permission, recommendation, nor as an inducement to practice any patented invention without permission of the patent owner. IN NO EVENT SHALL SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

CVC Thermoset Specialties—844 N. Lenola Road/Moorestown, NJ 08057
An Emerald Performance Materials Company

© Copyright 2006 Emerald Performance Materials LLC. 6/2006