

Technical Data Sheet

EPON™ Resin 1001-H-75

Product Description

EPON Resin 1001-H-75 is a solid resin solution of EPON Resin 1001F cut to 75% weight in Propylene Glycol Methyl Ether (PGME). PGME is not regulated as a Hazardous Air Pollutant (HAP) under Title III of the 1990 Clean Air Act Amendments. The EPON Resin 1001F is derived from bisphenol-A and epichlorohydrin. This epoxy resin solution finds application in solventborne amine or polyamide cured coatings and as a modifying resin in solventborne thermosetting acrylic coatings.

Benefits

- Easy handling solution that is readily thinned or reduced with other organic solvents
- Crystal clear solution requiring no additional filtration
- PGME is a medium evaporating, non-HAP solvent readily adaptable to most air dry or baking systems
- Toxicological studies indicate that PGME is one of the least hazardous medium boiling glycol ethers available

Sales Specifications

Property	Value	Unit	Test Method
Color	3 max	Gardner	ASTMD1544
Solids	74 - 76	% wt.	ASTMD1259
Viscosity ¹ at 25°C	Z2 - Z7	Gardner	ASTMD1545
Weight per Epoxide Based on Nonvolatiles	450 - 600	g/eq	ASTMD1652

¹ ASTM D1545 (Gardner-Holdt - Bubble Time Method), determined on resin solution as supplied.

Typical Properties

Property	Value	Unit	Test Method
Density at 25°C, Solution	9.2	lb/gal	ASTMD1475
Nonvolatiles	74 - 76	%	
Solvent	Propylene glycol methyl ether		
Specific gravity	1.108	g/mL	
Vapor Pressure @ 25°C (Estimated)	9.5	mm Hg	

Safety, Storage & Handling

Please refer to the MSDS for the most current Safety and Handling information.

Please refer to the Hexion web site for Shelf Life and recommended Storage information.

Alcohols and glycol ethers have a tendency to react with epoxide groups under certain conditions. As such, the weight per epoxide (WPE) and solution viscosity of this product will increase with time. Use oldest lots first and maintain modest inventories.

Exposure to these materials should be minimized and avoided, if feasible, through the observance of proper precautions, use of appropriate engineering controls and proper personal protective clothing and equipment, and adherence to proper handling procedures. None of these

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<https://hexioninternet-hexioninternet-slave.azurewebsites.net/en-US/product/epon-resin-1001-h-75>

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Packaging

Available in bulk and drum quantities.

Contact Information

For product prices, availability, or order placement, please contact customer service:

www.hexion.com/Contacts/

For literature and technical assistance, visit our website at www.hexion.com

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