

Technical Data Sheet

EPON™ Resin 1001-O-75

Product Description

EPON™ Resin 1001-O-75 is a solid resin solution of EPON Resin 1001F cut to 75% weight in Methyl n-Amyl Ketone(Mn-AK). The EPON Resin 1001F is derived from bisphenol A and epichlorohydrin. This epoxy resin solution finds application in solventborne amine or polyamide cured coatings.

The 1990 Clean Air Act Amendments require significant reductions in the emissions of certain EPA-defined hazardous air pollutants (HAP). A number of the targeted substances are solvents commonly used in ambient cured coatings. EPON Resin 1001-O-75 offers the coatings formulator a resin solution with high solids and good solubility, using a non-HAP solvent.

Benefits

- Contains a non-HAP solvent (Methyl n-Amyl Ketone).
- Mn-AK is a slower-evaporating solvent (comparable to propylene glycol monomethyl ether acetate) that is adaptable to most air-dry or baking systems.
- Easy handling solution that is readily thinned or reduced with other organic solvents.
- Crystal clear solution requiring no additional filtration.

Sales Specifications

Property	Value	Unit	Test Method
Color	3 max.	Gardner	ASTMD1544
Solids	74 - 76	% wt.	SRC 09Q16
Weight per Epoxide Based on Nonvolatiles	450 - 550	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	9.0	lb/gal	
Solvent	Methyl n-Amyl Ketone		
Specific gravity	1.08	g/mL	
Vapour Pressure @25°C (Estimated)	1.4	mm Hg	
Viscosity ¹ at 25°C	Z1 – Z6	Gardner	ASTMD1545

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.

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 materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheet (MSDS) for these and all other products being used are understood by all persons who will work with them. Questions and requests for

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<https://www.hexion.com/en-US/product/epon-resin-1001-o-75>

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information on Hexion Inc. ("Hexion") products should be directed to your Hexion sales representative, or the nearest Hexion sales office. Information and MSDSs on non-Hexion products should be obtained from the respective manufacturer.

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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