

## Technical Data Sheet

Re-issued September 2005

### 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 Specification

Property	Units	Value	Test Method/Standard
Weight per Epoxide, based on nonvolatiles	g/eq	450 – 550	ASTM D1652
Color	Gardner	3 max.	ASTM D1544
Solids	% wt.	74.0 – 76.0	SRC09Q16

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

#### Typical Properties

Property	Units	Value	Test Method/Standard
Viscosity at 25°C <sup>1</sup>	Gardner	Z <sub>1</sub> – Z <sub>6</sub>	ASTM D1545
Specific Gravity	g/ml	1.08	
Density at 25°C, Solution	lb/gal	9.0	
Vapor pressure @ 25°C	mm Hg	<1.4	

(estimated)			
Solvent		Methyl n-Amyl Ketone	

**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 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/](http://www.hexion.com/Contacts/)

For literature and technical assistance, visit our website at: [www.hexion.com](http://www.hexion.com)

© and ™ Licensed trademarks of Hexion Inc.

**DISCLAIMER**

The information provided herein was believed by Hexion Inc. ("Hexion") to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. All products supplied by Hexion are subject to Hexion's terms and conditions of sale. **HEXION MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY HEXION,** except that the product shall conform to Hexion's specifications. Nothing contained herein constitutes an offer for the sale of any product.

PDS-4019- (Rev.9/3/2015 4:39:56 PM)