

Technical Data Sheet

EPIKURE™ Curing Agent 8540-MU-60

Product Description

EPIKURE™ Curing Agent 8540-MU-60 is a modified polyamidoamine adduct supplied in a carefully selected blend of organic cosolvents for use, with EPI-REZ™ Resin 3520-WY-55, in the formulation of two-component, water reducible epoxy coatings. This product has a higher flash point and lower odor than EPIKURE Curing Agent 8536-MY-60. EPIKURE Curing Agent 8540-MU- 60 can be used as a direct pound-for-pound replacement for EPIKURE 8536-MY-60 Curing Agent in waterborne coatings formulations. Coatings based on this binder system possess good corrosion and water resistance. Waterborne coatings are easily formulated to VOC levels less than 2.5 pounds per gallon. Primer formulations exhibit strong adhesion to numerous types of metal substrates which make these systems ideal candidates to replace solvent-based epoxy-polyamides in general purpose applications.

Application Areas/Suggested Uses

- High performance architectural coatings
- General industrial primers and enamels
- Ceramic tile coatings

Benefits

- High flash point (110 °F) – combustible
- Low odor (toluene-free)
- Improved worker safety
- Good corrosion and water resistance
- High initial gloss and gloss retention during cure

Sales Specifications

Property	Value	Unit	Test Method
Amine Value	110 - 130	mg/kg	ASTMD2896
Color	12	Gardner	ASTMD1544
Solids	59 - 61	% m/m	ASTMD1259
Viscosity @25°C	Z-Z3		ASTMD1545

Typical Properties

Property	Value	Unit	Test Method
Density Solids	9		Calculated
Density Solution	8.2		
Equivalent Weight	324		

General Information

EPIKURE Curing Agent 8540-MU-60 is recommended for use with solid epoxy resin dispersions like EPI-REZ Resin 3520-WY-55 (or EPI-REZ Resin 5522-WY-55). Table 1 compares the coatings performance of EPIKURE Curing Agent 8536-MY-60 with EPIKURE Curing Agent 8540-MU-60 in Hexion' White Enamel Starting Point Formulation No. 1805.

EPIKURE Curing Agent 8540-MU-60
<https://hexioninternet-hexioninternet-slave.azurewebsites.net/en-US/product/epikure-curing-agent-8540-mu-60>

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Studies on the performance of coatings based on EPIKURE Curing Agent 8540-MU-60 show that it has comparable performance to coatings based on EPIKURE Curing Agent 8536-MY-60. The results of these studies are summarized in Table 1.

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/

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

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