

Technical Data Sheet

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EPIKURE™ Curing Agent 3253

Product Description

EPIKURE™ Curing Agent 3253, a tertiary amine, is tris (dimethyl amino-methyl) phenol. It is most often used as a co-activating accelerator for other epoxy resin curing agents including polyamides, fatty amidoamines, polysulfides and acid anhydrides. Secondary uses include catalysts for urethane elastomers, isocyanurate foams, epoxy homopolymerization and isocyanate trimerization.

Application Areas/Suggested Uses

- Accelerator for epoxy resin curing agents
- Catalyst for polyurethane elastomers
- Catalyst for isocyanurate foams
- Catalyst for isocyanate trimerization

Benefits

- High reactivity
- Low viscosity
- Low vapor pressure
- Good color

Sales Specification

Property	Units	Value	Test Method/Standard
Viscosity at 25°C	cP	180-380	ASTM D2196
Color	Gardner	6 max.	ASTM D1544
Water	% wt.	0.5	ASTM E203

Typical Properties

Property	Units	Value	Test Method/Standard
Amine value	mg/g	575 – 625	ASTM D2896
Pounds/gallon @ 25 °C	lbs/gal	8.1	ASTM D1475
Appearance		Clear and free of	

		foreign particles	

General Information

Table 1 / Performance data

	<u>Method</u>	<u>Units</u>	<u>Value</u>
Epoxy Resin, Bis-A type (EEW=190)		pbw	100
EPIKURE Curing Agent 3253		pbw	3.0
Handling Properties @ 25°C			
Pot Life, 25g		minutes	38
Cured State Properties			
HDT	ASTM D648	°C	91

Table 2 / Starting point formulations

<u>Polymeric system</u>	<u>p/hr</u>	<u>Application</u>
epoxy/aliphatic amines, polyamides and amidoamines	2-4	coatings, adhesives to wet concrete
epoxy/polysulfides	7-15	sealants, concrete adhesives
epoxy homopolymerization	9-11	bake cured adhesives and coatings
isocyanate trimerization	0.5-10	polyisocyanurate foams
polyol/isocyanate	1-2	urethane foams

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.

Product will absorb moisture and carbon dioxide which may affect viscosity or create foaming when reacted with epoxy resins.

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, call our toll-free customer service number at: 1-877-859-2800

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

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