

# Technical Data Sheet

## EPIKURE™ Curing Agent 8538-Y-68

### Product Description

EPIKURE Curing Agent 8538-Y-68 is a water compatible, low viscosity, modified polyamine adduct to cross-link epoxy resins. It is supplied at 68% weight solids in ethylene glycol monopropyl ether. This versatile curing agent can be combined with liquid epoxy resins, epoxy resin solutions or epoxy resin dispersions to produce highly filled, ambient-cure cross-linked systems for a variety of engineering and protective coating applications.

EPIKURE Curing Agent 8538-Y-68 is primarily designed to formulate highly filled, low VOC protective coatings for metal substrates. The low viscosity and good wetting character of this curing agent makes it a very versatile grind vehicle for pigments and fillers for general protective epoxy coatings. EPIKURE Curing Agent 8538-Y-68 offers good application properties when applied by roller, brush or spray equipment. This curing agent is particularly useful to make excellent two components, zinc filled epoxy coatings when it is combined with solid epoxy resin dispersions (advice and formulations at request).

### Benefits

- Provides outstanding corrosion protection
- Versatile formulating vehicle: curing agent for liquid, solution or waterborne epoxies
- Excellent pigment wetter/pigment grind vehicle
- Can be formulated into low VOC, highly filled primers and top coats (enamels)
- Designed for improved primer flexibility

### Typical Properties

Property	Value	Unit
% Solids*	68	% by Weight
Amine Hydrogen Equivalent Weight as supplied	300	Grams per -NH
Combining Ratio with EPIKOTETM Resin 828	160	Parts per Hundred Weight
Density @ 25°C	1.01	g/mL
Gardner Color	5	Gardner
Viscosity @ 25°C Brookfield (Gardner-Holdt)	400 (M)	mPa.s

\* Measured after mixing with EPIKOTE Resin 862 and devolatilization of 0.5 grams for 20 minutes at 120°C in circulating air oven

### Processing/How to use

#### General Information

EPIKURE Curing Agent 8538-Y-68 is a glycol ether solution of non-ionic amine polymers. EPIKURE Curing Agent 8538-Y-68 has low odor and provides easy clean-up with aqueous cleaners containing acetic or citric acid. EPIKURE Curing Agent 8538-Y-68 is primarily designed for highly filled waterborne epoxy coatings for metal protection.

### Recommended for 2K Epoxy Coatings including

- Zinc rich primers
- High PVC enamels
- Block-fill coatings

### Safety, Storage & Handling

EPIKURE Curing Agent 8538-Y-68

<https://www.hexion.com/en-US/product/epikure-curing-agent-8538-y-68>

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

This product has a minimum shelf life (no maximum) of two (2) years from date of certification at recommended storage conditions.

The recommended storage conditions for this product are 20 ± 15°C max., dry and free of contamination.

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 above mentioned 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. 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.

## Handling Properties

EPIKURE Curing Agent 8538-Y-68 is a low viscosity, storage stable solution of amine polymers and oligomers. See the Material Safety Data Sheet for safe handling of EPIKURE Curing Agent 8538-Y-68.

## Packaging

Available in bulk and drum quantities.

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