

**Technical Data Sheet**

# Norox<sup>®</sup> CHM-50

## DESCRIPTION

Norox<sup>®</sup> CHM-50 is a solution of cumyl hydroperoxide in an accelerating phlegmatizer. The principal application for Norox<sup>®</sup> CHM-50 is as a cure initiator for room temperature curing of vinyl ester and specialized unsaturated polyester resins. This product offers the following advantages.

## TYPICAL PROPERTIES

Active Oxygen:	4.5%
Form:	Liquid
Color:	Water white
Flash point (SETA C.C.):	162°F/72°C, min
Specific Gravity @ 25°/4°C:	1.06
Soluble in:	Oxygenated organic solvents
Slightly soluble in:	Water

## APPLICATION

The recommended use level of Norox<sup>®</sup> CHM-50 is 1% to 3%, on weight of resin. Gel and cure times, as well as peak exotherm results, depending on the specific resin, can often vary compared to values obtained using standard MEKP formulations. The final (24 hr.) cure, however, can be much better. The following table compares the results obtained using Norox<sup>®</sup> CHM-50 versus Norox<sup>®</sup> MEKP-925H (a high dimer MEKP formulation).

Resin:	Corrosion Resistant Vinyl Ester*
Promoter:	0.10% Cobalt Octoate + 0.05% DMA
Temperature:	77°F
Catalyzed @:	1.50% O.W.R.

Initiator	Gel Time	Peak Exotherm	Barcol Hardness @			
			3 hrs.	4 hrs.	5hrs.	24 hrs.
Norox <sup>®</sup> CHM-50	16 min.	198°F	41(5)	50(5)	53(5)	14(4)
Norox <sup>®</sup> MEKP-925H	13 min.	289°F	28(5)	35(5)	44(5)	53(5)

- Results have been determined by United SPI laboratory test methods and are used for comparison only. Not all resins will give similar results. Resin suppliers should be contacted for specific recommendations for individual resins.

### **PACKAGING, SHIPPING & AVAILABILITY**

- The standard package sizes of Norox<sup>®</sup> CHM-50 RED are cases of 4x8 lb. polyethylene bottles; and 40 lb. or 20 kg Hedpacks. For custom package sizes, please contact your local distributor or United Initiators SPI, Inc.
  - Classification – Please refer to the specific Norox<sup>®</sup> CHM-50 Safety Data Sheet under section 14, Shipping Description.
  - Norox<sup>®</sup> CHM-50 is available through a nation-wide distributor network. Call United Initiators SPI, Inc. for the name of the distributor in your area.
- **NOTE:** SDS's for all our products may be requested thru the website [www.syrqispi.com](http://www.syrqispi.com)

### **Disclaimer**

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