

**Technical Data Sheet**

## **NOROX<sup>®</sup> MEKP-9**

### **DESCRIPTION**

NOROX<sup>®</sup> MEKP-9 is a methyl ethyl ketone peroxide in phlegmatizer for the curing of unsaturated polyester resins at ambient temperature in combination with cobalt accelerators. NOROX<sup>®</sup> MEKP-9 gives consistent room temperature performance with both resins and gelcoats. NOROX<sup>®</sup> MEKP-9 is a reliable product of remarkable purity and is available globally. NOROX<sup>®</sup> MEKP-9 assures quality in almost every system.

### **TYPICAL PROPERTIES**

Active oxygen content:	9.0 %
Water content:	1.2 %
Appearance:	Colourless and clear liquid
Specific Gravity at 20°C:	1.11 – 1.14
Flash point (Seta closed cup):	> 75°C (> 170 °F)
SADT:	65°C (149 °F)
Soluble in:	Oxygenated organic solvents
Slightly soluble in:	Water
Storage temperature:	Max 25°C (77 °F)

### **APPLICATION**

NOROX<sup>®</sup> MEKP-9 is an excellent liquid general-purpose cure initiator for the room temperature cure of polyester resins. In this application it imparts medium to high exotherm characteristics to the cure.

NOROX<sup>®</sup> MEKP-9 is highly refined and substantially free of polar compounds such as water, hydrogen peroxide, glycols and methyl ethyl ketone. NOROX<sup>®</sup> MEKP-9 give therefore excellent performance as a curing agent for gelcoats, especially US formulated gelcoats.

Resin suppliers should be consulted for specific recommendations for individual resins. NOROX<sup>®</sup> MEKP-9 gives slightly longer gel time than ANDONOX<sup>®</sup> KP-9. Depending on the working conditions, normal dosage level is 1 – 3% based on the resin.

## NOROX<sup>®</sup> MEKP-9

### CURE CHARACTERISTICS

A reactivity test with an unsaturated polyester resin gave the following results:

Resin:	Orthophthalic polyester	Temperature:	21°C
Initiator %:	1,0	Accelerator %:	1% (1% cobalt)
Initiator	Gel time min	Time to peak min	Peak exotherm temp °C
<b>NOROX<sup>®</sup> MEKP-9</b>	<b>14</b>	<b>55</b>	<b>52</b>
NOROX <sup>®</sup> MEKP-925	15	59	43
ANDONOX <sup>®</sup> KP-9	11	48	47

A curing test with a gelcoat gave the following results

Method:	Thin film cure (500um, wet film)	Temperature:	23°C
Gelcoat:	Low VOC ISO-NPG, white spray gelcoat		
TTC:	Tack-Free time	Initiator %:	2,0
Initiator	Gel time min	TTC min	
<b>NOROX<sup>®</sup> MEKP-9</b>	<b>25</b>	<b>110</b>	
NOROX <sup>®</sup> MEKP-925	28	108	
ANDONOX <sup>®</sup> KP-9	19	113	

### PACKAGING, SHIPPING & AVAILABILITY

- The standard package sizes of NOROX<sup>®</sup> MEKP-9 are 5 kg (8 lb) and 25kg (40 lb) polyethylene bottles.
- NOROX<sup>®</sup> MEKP-9 is available pre-dyed in 25 kg (40 lb) bottles. Please see United Initiators SPI, Inc. TDS for Peroxide Dye Concentrates.
- Classification – Please refer to the specific NOROX<sup>®</sup> MEKP-9 Safety Data Sheet (SDS) under section 14 & 15, shipping & regulatory information.  
**NOTE:** SDS's for all United Initiators SPI, Inc. products may be requested by contacting the company.
- NOROX<sup>®</sup> MEKP-9 is available through a global network. Call United Initiators SPI, Inc. for the name of the distributor in your area.

#### Disclaimer

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