

Technical Data Sheet

NOROX[®] MEKP-9

DESCRIPTION

NOROX[®] 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[®] MEKP-9 gives consistent room temperature performance with both resins and gelcoats. NOROX[®] MEKP-9 is a reliable product of remarkable purity and is available globally. NOROX[®] 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[®] 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[®] MEKP-9 is highly refined and substantially free of polar compounds such as water, hydrogen peroxide, glycols and methyl ethyl ketone. NOROX[®] 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[®] MEKP-9 gives slightly longer gel time than ANDONOX[®] KP-9. Depending on the working conditions, normal dosage level is 1 – 3% based on the resin.

NOROX[®] 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
NOROX[®] MEKP-9	14	55	52
NOROX [®] MEKP-925	15	59	43
ANDONOX [®] 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	
NOROX[®] MEKP-9	25	110	
NOROX [®] MEKP-925	28	108	
ANDONOX [®] KP-9	19	113	

PACKAGING, SHIPPING & AVAILABILITY

- The standard package sizes of NOROX[®] MEKP-9 are 5 kg (8 lb) and 25kg (40 lb) polyethylene bottles.
- NOROX[®] 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[®] 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[®] MEKP-9 is available through a global network. Call United Initiators SPI, Inc. for the name of the distributor in your area.

Disclaimer

This information and our application-technical advice – whether verbal, in writing or by way of trials – reflect our present state of knowledge based on internal tests with local raw materials. Their purpose is to inform interested parties about our products and their possible application. They should not be construed as guaranteeing specific product properties or their suitability for a particular application. Furthermore, the information does not contain complete instructions for use. Nor does it constitute a guarantee as to quality and durability. Changes due to technical progress and corporate advancement reserved. Any existing third-party copyrights are to be taken into account.

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