

NOROX[®] MEKP-9

Methyl ethyl ketone peroxide

CAS#1338-23-4

Liquid mixture

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.

Technical Data

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 NOROX[®] KP-9. Depending on the working conditions, normal dosage level is 1 – 3% based on the resin.

Measurements

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
NOROX® 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
NOROX® KP-9	19	113

PACKAGING, SHIPPING & AVAILABILITY

- The standard package sizes of NOROX® MEKP-9 are 4x8 lb and 44 lb (20 kg) polyethylene bottles.
- NOROX® MEKP-9 is available pre-dyed in 40 lb (20kg) bottles. Please see United Initiators, 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, Inc. products may be requested by contacting the company.
- NOROX® MEKP-9 is available through a global network. Call United Initiators, Inc. for the name of the distributor in your area

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