

NOROX[®] CHAP-21

Acetyl Acetone Peroxide /Cumyl Hydroperoxide

CAS#37187-22-7/80-15-9

Liquid mixture

Description

Norox[®] CHAP-21 is a liquid organic peroxide cure initiator formulated specifically for use with RTM and tooling resins. The main feature of Norox[®] CHAP-21 is the uniformity of cure in both thick and thin cross sections without excessive exotherm, resulting in excellent dimensional stability.

Technical Data

Active oxygen	7.00
Form:	Liquid
Color:	Water White
Specific Gravity @ 25°C:	1.1
Flash point (SETA C.C.)	150°F/66°C, min.
SADT:	~60°C (140°F)
Soluble in:	Oxygenated organic solvents
Slightly soluble in:	Water

Application

Norox[®] CHAP-21 is an excellent liquid cure initiator for the room temperature cure of unsaturated polyester resins used for tooling and RTM applications. Norox[®] CHAP-21 features improved green strength development without excessive exotherm buildup. The slightly extended gel time (compared to standard MEKP formulations) allows good working time. Once gelation occurs, the faster than normal green strength development allows either a normal de-mold time, or continued laminate build-up.

In RTM processes, Norox[®] CHAP-21 offers a delayed gel time to ensure good fill-out of the cavity and wet-out of the reinforcement. After gelation, the faster green strength development without excessive exotherm helps with de-mold time and can prevent heat damage to the tool.

Excellent final cure and dimensional stability have been observed in tooling and RTM applications using Norox[®] CHAP-21 cure initiator.

PACKAGING, SHIPPING & AVAILABILITY

- The standard package sizes of NOROX® CHAP-21 are 4x8 lb and 44 lb (20 kg) polyethylene bottles.
- NOROX® CHAP-21 is available pre-dyed in 44 lb (20kg) bottles. Please see United Initiators, Inc. TDS for Peroxide Dye Concentrates.
- Classification – Please refer to the specific NOROX® CHAP-21 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® CHAP-21 is available through a global network. Call United Initiators, Inc. for the name of the distributor in your area

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