

NOROX[®] SHP-10

tert-Butyl Peroxybenzoate/Acetyl Acetone
Peroxide CAS#614-45-9/37187-22-7
Liquid mixture

Description

Norox[®] SHP-10 is a clear to pale yellow liquid of a peroxide formulation based on acetyl acetone peroxide and a peroxyester diluted in phlegmatizer.

Technical Data

Active oxygen	1.15-1.3
Form:	Liquid
Color:	Water White to straw
Specific Gravity @ 25°C:	1.08 – 1.12
Viscosity:	25 – 32 mPas
Flash point (SETA C.C.)	>149°F/65°C, min.
SADT:	>131°F (55°C)
Soluble in:	Oxygenated organic solvents
Slightly soluble in:	Water
Storage Temp:	Max 77°F(25°C)

Application

Norox[®] SHP-10 in combination with cobalt accelerated resins has shown to be an exceptionally good cure system for unsaturated polyesters both at ambient and elevated temperatures. Levels of cobalt (naphthenate or octoate in 1% solutions) should be in the range of 0.1 to 1.0%. The advantages of using Norox[®] SHP-10 instead of MEKP initiators are that you get a more complete cure, reduced residual styrene and stronger parts. Compared to a standard AAP you get a similar gel time, somewhat higher peak exotherm but the final cure is better. Typical applications for Norox[®] SHP-10 are manufacturing processes like RTM, filament winding, centrifugal casting and continuous laminating.

PACKAGING, SHIPPING & AVAILABILITY

- The standard package sizes of NOROX® SHP-10 are 4x8 lb and 44 lb (20 kg) polyethylene bottles.
- Classification – Please refer to the specific NOROX® SHP-10 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® SHP-10 is available through a global network. Call United Initiators, Inc. for the name of the distributor in your area

Disclaimer

This information and all further technical advice are reflecting our present knowledge and experience based on internal tests with local raw materials with the purpose to inform about our products and applications. The information should not be construed as guaranteeing specific properties of products described or their suitability for a particular application, nor as providing complete instructions for use. The information implies no guarantee for product and shelf life properties, nor any liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. We reserve the right to make any changes according to technological progress or further developments.

Application and usage of our products based on our technical advice is out of our control and sole responsibility of the user. The user is not released from the obligation to conduct careful inspection and testing of incoming goods in order to verify the suitability for the intended application.

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