

NOROX® SHP-90

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

Description

Norox® SHP-90 is a clear to pale yellow liquid of a peroxide formulation based on acetyl acetone peroxide and a peroxyester diluted in phlegmatizer. Norox® SHP-90 is a very effective polymerization initiator for the ambient and elevated temperature cure of unsaturated polyester resins.

Technical Data

Active oxygen	4.4 min.
Form:	Liquid
Color (APHA):	100 max.
Specific Gravity @ 25°C:	1.06 – 1.10
Viscosity:	31 – 36 cps
Flash point (SETA C.C.)	>148°F/64°C, min.
SADT:	>140°F (60°C)
Soluble in:	Oxygenated organic solvents
Slightly soluble in:	Water
Storage Temp:	Max< 77°F(25°C)

Application

Norox® SHP-90 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-90 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-40 are manufacturing processes like RTM, filament winding, centrifugal casting and continuous laminating.

PACKAGING, SHIPPING & AVAILABILITY

- The standard package sizes of NOROX[®] SHP-90 are 4x8 lb and 44 lb (20 kg) polyethylene bottles.
- NOROX[®] SHP-90 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[®] SHP-90 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-90 is available through a global network. Call United Initiators, Inc. for the name of the distributor in your area

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