

Technical Data Sheet

NOROX SHP-90

DESCRIPTION

Andonox[®] SHP-90 is a clear to pale yellow liquid peroxide formulation based on acetylacetone peroxide and a peroxyester diluted in phlegmatizers. Andonox[®] SHP-90 is a very effective polymerization initiator for the ambient and elevated temperature cure of unsaturated polyester resins.

TYPICAL PROPERTIES

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|-----------------------------|-----------------------------|
| Active Oxygen: | 4.4 %, min. |
| Form: | Liquid |
| Color: | Water white |
| Specific Gravity @ 25°/4°C: | 1.0 – 1.1 |
| Flash point (SETA C.C.): | 158°F (70°C) |
| SADT: | 131°F (55°C) |
| Soluble in: | Oxygenated organic solvents |
| Slightly soluble in: | Water |

APPLICATION

Andonox[®] 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 Andonox[®] 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 Andonox[®] SHP-90 are manufacturing processes like RTM, filament winding, centrifugal casting and continuous laminating.

PACKAGING, SHIPPING & AVAILABILITY

- The standard package sizes of Andonox[®] SHP-90 are cases of 4x8 lb. polyethylene bottles; and 44 lb. or 20 kg Hedpacks. For custom package sizes, please contact your local distributor or United Initiators SPI, Inc.
 - Classification – Please refer to the specific Norox[®] Andonox[®] SHP-90 Safety Data Sheet under section 14, Shipping Description.
 - Andonox[®] SHP-90 is available through a nation-wide distributor network. Call United Initiators SPI, Inc. for the name of the distributor in your area.
- **NOTE:** SDS's for all our products may be requested thru the website www.syrqispi.com

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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