

# NOROX<sup>®</sup> KP-900LE

## DESCRIPTION

Norox<sup>®</sup> KP-900LE is a solution of peroxides in phlegmatizer. Norox<sup>®</sup> KP-900LE was formulated for use in applications requiring a lower exotherm without significant sacrifice of gel time.

## TYPICAL PROPERTIES

Active Oxygen . . . . .	8.9 - 9.0 %
Form . . . . .	Liquid
Color . . . . .	Water white
Specific Gravity @ 25°/4°C . . . . .	1.15 – 1.17
Viscosity @ 20°C . . . . .	20 – 24 cps
Flash Point (SETA C.C.) . . . . .	160°F
Hydrogen Peroxide Content, % . . . . .	1.6
Monomer / Dimer Ratio . . . . .	Hi / Low
Soluble in . . . . .	Oxygenated organic solvents
Insoluble in . . . . .	Water

## APPLICATION

Norox<sup>®</sup> KP-900LE may be used as any other standard MEKP to initiate the curing of pre-promoted unsaturated polyester resins. This product is particularly useful in then production of thick laminates in which high exotherms could produce cracking and warpage. As with any application, however, Norox<sup>®</sup> KP-900LE should be thoroughly tested in the resin being used before full-scale manufacturing is attempted. Norox<sup>®</sup> KP-900LE is not recommended for most vinyl ester resins.

The following comparative data was developed using a typical laminating resin:

Resin:	Laminating @ 1.75% catalyst
Temperature:	68°F / 20°C
Mass:	30 grams

Norox Product	Time to Gel (min)	Time to Peak (min)	Peak Exotherm (°F/°C)	934 Hardness @ 24hrs.
MEKP-900	80	105.5	122 / 50	46
KP-900LE	85	98.5	98 / 37	44
MCP	160	171	87 / 31	40

(These data are for comparative use only. It will be necessary to test Norox<sup>®</sup> KP-900LE in the specific resin under consideration.)

# NOROX<sup>®</sup> KP-900LE

## STORAGE

- Storage at 80°F or below is recommended. Storage below 70°F is recommended for maximum shelf life.
- Store in original containers **away** from flammables and all sources of heat, sparks, or flames; out of direct sunlight; and **away** from **cobalt naphthenate**, other promoters, accelerators, oxidizing or reducing agents and strong acids or bases.
- **Leaking containers** – Remove and isolate in a safe area. Re-package or dispose immediately (see **spills**).
- **Never** store in refrigerators containing food and/or beverages.
- Consult National Fire Protection Association (NFPA) Code 432 and/or local regulatory agencies.
- Rotate stock, use oldest date first.

## HANDLING

- Inform all personnel of procedures for safe handling and review MSDS with them.
- Remove from storage area only the amount needed for one shift.
- Wear safety glasses or goggles and chemical resistant gloves.
- Keep away from heat, flames, and sparks.
- Avoid breathing vapors.
- Dilution is not recommended. Never dilute with acetone.
- **Never** add peroxides directly to promoters or vice-versa, violent decomposition can occur.
- Prevent contamination such as contact with dust, over spray, wood, and combustible material.
- Avoid contact with materials other than polyethylene, polypropylene, Teflon<sup>®</sup>, Tygon<sup>®</sup>, or similar materials, glass or glass-lined steel, and 304 or 316 stainless steel or equivalent.

## FIRST AID

- EYES – Flush immediately with large amounts of fresh water and continue washing for at least 15 minutes. **Medical attention is needed.**
- SKIN – Wash with soap and water.
- INGESTION – Administer large amounts of milk or water and call a physician immediately. Do not induce vomiting. As an aid to the physician, suggest calling your local Poison Control Center.

## SPILLS

- Clean up immediately by absorbing with inert material – vermiculite or sand.
- After absorbing, moderately wet immediately with water and place in a clean plastic bag inside a plastic pail.
- Dispose of immediately in accordance with local, state, and federal regulations.  
**NOTE:** Spilled peroxides, if not immediately cleaned up, can become contaminated and ignite or decompose in a hazardous, violent manner.

## FIRE

- Peroxides ignite readily and burn vigorously with acceleration.
- Use water from a safe distance – preferably with a water-fog nozzle.
- For very small fires, an extinguisher with carbon dioxide, foam, or dry chemical may be effective.
- In case of fire in or near a storage area, cool stored containers with water spray.

## PACKAGING, SHIPPING & AVAILABILITY

- The standard package sizes of Norox<sup>®</sup> KP-900LE are cases of 4x8 lb. and 4x4 kg polyethylene bottles; and 40 lb. or 20 kg Hedpacks. For custom package sizes, please contact your local distributor or Syrgis Performance Initiators, Inc.
- Classification – Please refer to the specific Norox<sup>®</sup> KP-900LE Material Safety Data Sheet under section 14, Shipping Description.
- Norox<sup>®</sup> KP-900LE is available through a nation-wide distributor network. Call Syrgis Performance Initiators, Inc. for the name of the distributor in your area.

**NOTE:** MSDS's for all our products may be requested thru the website [www.syrgisperformanceinitiators.com](http://www.syrgisperformanceinitiators.com)

"The information contained in this bulletin is based on information received of our staff and of others and is presented in good faith and with every belief in its accuracy. Due to the extensive technology involved in its usage, the manufacturer in no way guarantees such information, nor does he make any recommendations as to its use in the infringement of any patent. The information contained in this bulletin supersedes and replaces all information contained in all previous bulletins. Seller makes no warranty of any kind, expressed or implied, except that the goods sold hereunder shall meet the specifications of the buyer. After goods are accepted by the buyer within the time specified the buyer assumes all risk and liability for damages resulting from the use of the goods. Whether used by the buyer singly or in combination with other products, or if sold by buyer to third persons either in its original form or if repackaged by buyer and then sold to third persons."



**SYRGIS PERFORMANCE INITIATORS, INC.**

334 Phillips 311 Road, Helena Arkansas 72342

Tel. (800) 786-6722 • Fax (800) 987-0845 • [www.syrgis.com](http://www.syrgis.com)