

## NOROX<sup>®</sup> 771

Methyl ethyl ketone peroxide/Cumyl Hydroperoxide

CAS#1338-23-4

80-15-9

Liquid mixture

### Description

Norox<sup>®</sup> 771 is a solution of methyl ethyl ketone peroxides and cumyl hydroperoxide in phlegmatizer. Norox<sup>®</sup> 771 is a liquid polymerization initiator for the room temperature cure of specialized unsaturated polyester and vinyl ester resins with the following advantages/properties.

- Lower Peak exotherm
- Excellent 24-hour cures
- Longer gel times
- Less foaming in vinyl ester resins having foaming properties
- Low shrinkage

### Technical Data

Active oxygen	9.0 max
Form:	Liquid
Color:	Water White
Specific Gravity @ 25°C:	1.2
Flash point (SETA C.C.)	150°F/66°C, min.
Soluble in:	Oxygenated organic solvents
Slightly soluble in:	Water

### Application

Norox<sup>®</sup> 771 is an excellent liquid polymerization initiator for the room temperature cure of unsaturated polyester and vinyl ester resins, when a low peak exotherm is desired. Gel times will be slower compared to standard Norox<sup>®</sup> MEKP products (i.e. MEKP-9, -925, etc.), but final cured resin hardness is often better than for resins initiated with standard MEKPs.

In most applications, it is recommended that parts which are fabricated with Norox<sup>®</sup> 771 should be left in the mold for 24 hours, or at least overnight, to ensure dimensional stability after demolding.

## 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 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®, Tygon®, 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> 771 are 4x8 lb and 44 lb (20 kg) polyethylene bottles.
- NOROX<sup>®</sup> 771 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<sup>®</sup> 771 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<sup>®</sup> 771 is available through a global network. Call United Initiators, Inc. for the name of the distributor in your area

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