

## MEC-EX

### DESCRIPTION

MEC-EX is a colorless solution of methyl ethyl ketone peroxide and cyclohexanone peroxide in phlegmatizer. MEC-EX was developed to give excellent cure performance in low and average temperature conditions when used as an initiator with unsaturated polyester resins.

### TYPICAL PROPERTIES

Active Oxygen .....	9.0 %, max.
Form .....	Liquid
Color .....	Water white
Specific Gravity @ 25°/4°C .....	1.12
Viscosity @ 25°C .....	18.0 cps
Flash Point (SETA C.C.) .....	170°F / 77°C, min.
Soluble in .....	Common organic solvents
Slightly soluble in .....	Water

### APPLICATION

MEC-EX should be considered for gel and cure initiation for cobalt promoted unsaturated polyester resins at low operating temperatures. MEC-EX will also give good performance at normal temperatures. Other advantages, compared to standard MEKP formulations include:

1. Shorter gel to cure time in many resins.
2. Not affected by cold conditions as much as standard MEKP
3. Excellent smoothness and uniformity in the cure cycle.

# MEC-EX

## 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®, 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 MEC-EX 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 MEC-EX Material Safety Data Sheet under section 14, Shipping Description.
- MEC-EX 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.noracperoxides.com](http://www.noracperoxides.com)

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