



Orca Solutions S-980 MEKP Catalyst / Clear

DESCRIPTION

Orca Solutions S-980 MEKP features a reduced level of hydrogen peroxide. Orca S-980 is particularly useful in critical gel coat applications. Another area of application is in heated, continuous mixing systems for polymer concrete and cultured marble.

APPLICATION

Orca S-980 is an excellent liquid general-purpose cure initiator for the room temperature cure of polyester resins. In this application it imparts medium to high exotherm characteristics to the cure. Orca S-980 gives excellent performance as a curing agent for gel coats. Resin suppliers should be consulted for specific recommendations for individual resins. Orca S-980 is highly refined and substantially free of water, hydrogen peroxide and methyl ethyl ketone. Compared to Orca S-980, with most polyester resins Orca S-980 gives a slightly longer gel time with a similar total cure time.

TYPICAL PROPERTIES

Active Oxygen.....	9.0 %, max.
Form	Liquid
Color	Clear
Specific Gravity @ 25°/4°C.....	1.11
Fire point	200°F, min.
Flash point (SETA C.C.)	170°F, min.
Soluble in	Oxygenated organic solvents
Slightly soluble in	Water

SAFETY

See appropriate Material Safety Data Sheet for guidelines.

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 Orca S-980 MEKP 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 Orca Composites
 - Classification – Please refer to the specific Orca S-980 MEKP Material Safety Data Sheet under section 14, Shipping Description.
 - Orca S-980 MEKP is available through a nation-wide distributor network. Call Orca Composites. for the name of the distributor in your area.
- NOTE:** MSDS's for all our products may be requested through the website www.orcacomposites.com

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