



Orca Solutions S-980 MEKP Catalyst / Red

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	Red
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

The information herein is general information designed to assist customers in determining whether Orca products are suitable to their applications. Orca products are intended for sale to industrial and commercial customers. We require customers to inspect and test our products before use and to satisfy themselves as to contents and suitability for their specific applications. **Nothing herein constitute any warranty express or implied, including any warranty of merchantability or fitness for a particular purpose**, nor is any protection from any law or patent to be inferred. The exclusive remedy for all proven claims is limited to replacement of our materials and in no event shall we be liable for special, incidental or consequential damages.