

SUPEROX[®] 46-710

DESCRIPTION

Superox[®] 46-710 is an MEKP formulation high in hydrogen peroxide content that provides fast gel and green strength development. Superox[®] 46-710 is primarily used in highly filled resin systems. It is not recommended for gel coats or vinyl ester resins.

TYPICAL PROPERTIES

Active Oxygen.....	9.0 %, max.
Form	Liquid
Color	Water white
Specific Gravity @ 25°/4°C	1.16
Fire point	205°F, min.
Flash point (SETA C.C.)	170°F, min.
Partially soluble in	Hydrocarbon solvents & water
Moderately soluble in	Esters
Soluble in	Ketones, lower alcohols & ethers

APPLICATION

Superox[®] 46-710 is a cure initiator of exceptional activity for the room temperature cure of polyester resins. In addition, it is fire resistant. It is self-extinguishing at lower temperatures, and when heated above the fire point, burns without the acceleration characteristic of organic peroxides. With most polyester resins, Superox[®] 46-710 gives very rapid gels and normal cures in thicker cross sections.

Superox[®] 46-710 has been found to be particularly useful in spray gun applications in cold weather. It is not recommended for use with gel coats as the high hydrogen peroxide content can cause excessive porosity and other gel coat deficiencies.

SUPEROX[®] 46-710

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 Superox[®] 46-710 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 Superox[®] 46-710 Material Safety Data Sheet under section 14, Shipping Description.
- Superox[®] 46-710 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

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