

Technical Information

Doc. No.: TDS-7 Version 1.2

SUPER-OX[®] 7

Product Description

SUPER-OX[®] 7 is a general-purpose methyl ethyl ketone peroxide products , which is used at room temperature and for curing of unsaturated polyester resin, when combined with accelerant.

Applicable processes: Hand lay-up, spraying, casting, winding, vacuum infusion, etc.

Typical Properties

Active-oxygen content:	9.9%
Form:	Clear liquid
Color:	Colorless
Proportion at 20°C	1.11
Flash point (SETA C.C.):	40.8°C
Soluble in:	Organic oxidizing solvent
Slight soluble in:	Water

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Storage

- The recommended storage temperature is at 30°C or below. The storage temperature below 25°C is hereby recommended to achieve the optimal storage time.
- A product of this kind shall be stored in the original container to be **kept away from** combustible materials and all heat sources, spark, and ignition sources as well as **cobalt naphthenate**, other promoters, accelerants, oxidizing agents, and reducing agents, and strong acid and base, and to also be prevented from direct sunlight.
- **Release accidents relating to the container**—Remove the container to a safe area for separation. Do not repackaging or immediately dispose of it (refer to the part, **Leakage**).
- **No storage is allowed** in any refrigerator containing food and/or drinks.
- Please refer to the relevant national standard and/or consult the competent local authority.
- Firstly use a product of this kind which was produced earliest.

Handling

- Inform all the production personnel of safe handling and viewing of the MSDS.
- Remove the amount for single use from the corresponding storage area. Wear protective glasses or gloves and chemical-resistant gloves.
- Keep away from heat, fire, and spark. Avoid inhaling vapor.
- Dilution is not recommended. Addition of peroxide directly to any promoter is **prohibited** and vice versa, otherwise severe degradation will occur.
- Contact with any pollutant like dirt, excessive mist spray, wood or inflammable shall be avoided.
- Contact with other materials shall also be avoided, excluding polyethylene, polypropylene, Teflon®, Tygon®, and similar materials as well as glass, glass-lined steel, stainless steel 304/316, and equivalents.

First-aid Measures

- Eye—Immediately flush the eye with plenty of water for at least 15 consecutive minutes. **Get medical attention.**
- Skin—Use water and soap to wash skin.
- Ingestion—Drink a great deal of milk or water and immediately get medical attention. Do not induce vomiting. To support the diagnosis by the doctor, please call the local poison control center immediately.

Leakage

- Inert material—Use vermiculite or sand/soil to immediately absorb the leaked product.
- After the leaked product is absorbed, wet it immediately with water in a proper manner and place it in a clean plastic bag contained in a plastic bucket.
- Do immediate disposal in accordance with the concerned national and local regulations.

Note: If not removed immediately, the leaked peroxide might become a pollutant which might be burnt or decomposed in a dangerous or severe way.

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Fire

- The peroxide can be ignited and then burnt severely in an expedited way.
- Put out a fire with water and preferably a spray nozzle, from a safe distance.
- In case of a small fire, utilize carbon dioxide, foam, or dry powder to do extinguishment.
- Where a fire happens at or near the storage area, use water spraying to make the temperature of the storage container drop.

Packaging, Transportation and Availability

- A standard package of SUPER-OX[®] 7 is a vinyl plastic bucket which can contain 5kg SUPER-OX[®] 7.
- Classification—Please refer to the specific SUPER-OX[®] 7 Material Safety Data Sheet described under Part 14, Transportation.
- SUPER-OX[®] 7 is available via the nationwide distribution network. Please call United Initiators (Shanghai) Co., Ltd. to inquire the information about the dealers in your area.

Note: The MSDS of every product is available via the website, www.united-initiators.com

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United Initiators (Shanghai) Co., Ltd

Contact Information:

Tel.: +86-21- 61172760 Fax: +86-21-61172237