

NOROX[®] 757

Acetyl Acetone Peroxide/Cumyl Hydroperoxide
CAS# 37187-22-7 and 80-15-9
Liquid mixture

Description

Norox[®] 757 is a diluted version of Norox[®] 750 and is designed to be used in places where higher volume is required for more precise metering. Norox[®] 757 is a liquid organic peroxide cure initiator formulated specifically for use with RTM and tooling resins. The main feature of Norox[®] 757 is the uniformity of cure in both thick and thin cross sections without excessive exotherm, resulting in excellent dimensional stability.

Technical Data

Active oxygen	3.7 max
Form:	Liquid
Color:	Water White
Specific Gravity @ 25°C:	1.15
Flash point (C.O.C.):	200°F/93°C, min
Flash point (SETA C.C.)	150°F/66°C, min.
Soluble in:	Oxygenated organic solvents
Moderately soluble in:	Water

Application

Norox[®] 757 is an excellent liquid cure initiator for the room temperature cure of unsaturated polyester resins used for tooling and RTM applications. Norox[®] 757 features improved green strength development without excessive exotherm buildup. The slightly extended gel time (compared to standard MEKP formulations) allows good working time. Once gelation occurs, the faster than normal green strength development allows either a normal de-mold time, or continued laminate build-up.

In RTM processes, Norox[®] 757 offers a delayed gel time to ensure good fill-out of the cavity and wet-out of the reinforcement. After gelation, the faster green strength development without excessive exotherm helps with de-mold time and can prevent heat damage to the tool.

Excellent final cure and dimensional stability have been observed in tooling and RTM applications using Norox[®] 757 cure initiator.

STORAGE

Storage at 27°C (80°F) or below is recommended. Storage below 25°C (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 Norox® 757 are cases of 4x8 lb. polyethylene bottles; and 44 lb. or 20 kg Hedpacks. For custom package sizes, please contact your local distributor or United Initiators, Inc.
- Classification – Please refer to the specific Norox® 757 Material Safety Data Sheet under section 14, Shipping Description.
- Norox® 757 is available through a nation-wide distributor network. Call United Initiators, Inc. for the name of the distributor in your area.

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T: +49 89 74422 237
F: +49 89 74422 6237
cs-initiators.eu@united-in.com

T: +1 800 231 2702
F: +1 440 323 0898
cs-initiators.nafta@united-in.com

T: +86 20 6131 1370
F: +86 139 2503 8952
cs-initiators.cn@united-in.com

T: +61 2 9316 0046
F: +61 2 9316 0034
cs-initiators.au@united-in.com

www.united-initiators.com