

NOROX[®] TAPB

DESCRIPTION

Norox[®] TAPB is a liquid peroxyester product which is an effective medium temperature initiator for the polymerization and/or crosslinking of numerous monomers and resins, including unsaturated polyester and vinyl ester resins.

TYPICAL PROPERTIES

t-Amyl Peroxybenzoate	94.0 %, min.
Active Oxygen	7.2 %, min.
Form	Colorless Liquid
Color	Light yellow to straw
Specific Gravity @ 20°C	1.010
Flash Point (SETA C.C.)	110°F / 43°C
Soluble in	Common Organic Solvents
Insoluble in	Water, Glycerol, Ethylene Glycol

APPLICATION

Norox[®] TAPB is an excellent free radical source for the polymerization of vinyl monomers and unsaturated polyester resins. Depending on the process temperature, Norox[®] TAPB can be used at levels from 0.3 to 1.0 parts per 100 parts resin.

In unsaturated polyester formulations, t-Amyl Perbenzoate offers faster cure times than its t-Butyl analog without sacrificing catalyzed shelf life. Reduced residual monomer levels in the cured polyester have been reported when t-Amyl peroxides are used.

NOROX[®] TAPB

STORAGE

- Storage at 80°F or below is recommended.
- 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 dilute with acetone.
- **Never** add TAPB 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 TAPB, if not immediately cleaned up, can become contaminated and ignite or decompose in a hazardous, violent manner.

FIRE

- Peroxides ignite readily and burn vigorously.
- 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[®] TAPB 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 Norox[®] TAPB Material Safety Data Sheet under section 14, Shipping Description.
- Norox[®] TAPB 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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