

**NOROX<sup>®</sup> TAPB**

**SECTION 1 - IDENTIFICATION OF THE PRODUCT AND THE COMPANY**

<b>PRODUCT NAME</b>	<b>NOROX<sup>®</sup> TAPB</b>	<b>TELEPHONE</b>	870-572-2935
<b>MANUFACTURER</b>	Syrgis Performance Initiators, Inc.	<b>CHEMTREC (24hr) (USA)</b>	800-424-9300
<b>ADDRESS</b>	334 Phillips 311 Rd., Helena, AR 72342	<b>(Maritime/International)</b>	703-527-3887
<b>CHEMICAL NAME</b>	Tertiary Amyl Peroxybenzoate	<b>CAS NO.</b>	See section 2
<b>CHEMICAL FAMILY</b>	Peroxyester Peroxides	<b>CHEMICAL FORMULA</b>	C <sub>12</sub> H <sub>16</sub> O <sub>3</sub>

**SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS**

<b>COMPONENTS</b>	<b>CAS NO.</b>	<b>%</b>
Tertiary Amyl Peroxybenzoate	4511-39-1	~ 94
Tertiary Amyl Hydroperoxide	3425-61-4	< 5

**SECTION 3 - HAZARD IDENTIFICATION OF THE PREPARATION**

<b>PHYSICAL HAZARDS</b>	Organic Peroxide. Combustible. Contact with combustible materials may cause fire.
<b>HEALTH HAZARDS</b>	Irritant
<b>EXPOSURE LIMITS</b>	Both ACGIH and OSHA PEL have not been established for this chemical.
<b>ROUTES OF EXPOSURE</b>	
<b>Skin Contact/</b>	Irritating to the skin, may cause including redness and swelling, drying, and scaling.
<b>Eye Contact</b>	Irritating to the eyes, may cause redness and swelling.
<b>Ingestion</b>	Harmful if swallowed, may be aspirated resulting in inflammation and possible fluid accumulation in the lungs.
<b>Inhalation</b>	May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.
<b>EFFECTS OF OVER-EXPOSURE</b>	No known applicable information.

**SECTION 4 - FIRST-AID MEASURES**

<b>SKIN</b>	Immediately remove any contaminated clothing. Wash contaminated area thoroughly with soap and copious amounts of water for at least 15 minutes. If irritation or adverse symptoms develop, seek medical attention.
<b>EYES</b>	Remove any contact lenses at once. Flush eyes with water for at least 15 minutes. Ensure adequate flushing by separating the eyelids with fingers. If irritation or adverse symptoms develop, seek medical attention.
<b>INGESTION</b>	Contact a physician, hospital or Poison Control Center at once. <b>DO NOT INDUCE VOMITING.</b>
<b>INHALATION</b>	Remove to fresh air, if coughing, breathing becomes labored, irritation develops or other symptoms develop, seek medical attention at once, even if symptoms develop several hours after the exposure.

**SECTION 5 - FIRE-FIGHTING MEASURES**

<b>FLASH POINT:</b>	110°F (43°C), SETA CC
<b>FLAMMABLE LIMITS:</b>	Not established.
<b>AUTOIGNITION POINT:</b>	Not established.
<b>EXTINGUISHING MEDIA</b>	Water, carbon dioxide, appropriate foam or dry chemical.
<b>SPECIAL FIRE FIGHTING PROCEDURES</b>	Evacuate all unnecessary personnel. Fight fire from a safe distance. Firemen should be equipped with protective clothing and SCBA's. In case of fire near storage area, cool the containers with water spray.
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b>	During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Contact with other material may cause fire. The heat of decomposition of the peroxide adds to the heat of the fire. Container explosion may occur under fire conditions. May explode when exposed to heat. Self ignition is possible

**NOROX<sup>®</sup> TAPB****SECTION 6 - ACCIDENTAL RELEASE MEASURES**

<b>STEPS TO BE TAKEN IN EVENT OF SPILL OR RELEASE</b>	Evacuate area of all unnecessary personnel. Remove all sources of ignition. Refer to protective measures listed in Sections 7 and 8. Spilled material should be swept up with an inert, moist diluent such as perlite, vermiculite, or sand. Keep spilled material from entering drains, sewers, streams, etc. Carefully collect the material and transfer into a clean polyethylene lined or a polyethylene drum disposal container using non-sparking tools. Add water to container. Label container and store in a secure area for proper disposal. Flush spill area with copious amounts of water. Ventilate area and wash spill site after material pickup is complete
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**SECTION 7 - HANDLING AND STORAGE**

<b>HANDLING</b>	Rotate stock using the oldest material first. Avoid contact with skin, eyes and clothing. Avoid breathing vapors and use with adequate ventilation. Avoid prolonged or repeated exposure. Use PPE as specified in Section 8. Keep containers closed to prevent contamination. Keep away from sources of heat, sparks or flame. Do not add to hot solvents or monomers as a violent decomposition and/or reaction may result. Take precautionary measures against static discharge. Keep in its original container. <u>DO NOT USE NEAR FOOD OR DRINK</u> . Wash thoroughly after handling. Remove and wash contaminated clothing promptly.
<b>STORAGE</b>	The stability is directly related to the shipping and storage temperature history. Cool storage at 80°F (27°C) or below is recommended for longer shelf life and stability. Prolonged storage at elevated temperatures of 100°F (38°C) and higher will cause product degradation, gassing and potential container rupture which can result in a fire and/or explosion. Store out of direct sunlight in a well ventilated area away from combustible and incompatible materials. <u>DO NOT STORE WITH FOOD OR DRINK</u> . Refer to NFPA 432 Code for the Storage of Organic Peroxide Formulations from the National Fire Protection Association for additional storage information.
<b>OTHER PRECAUTIONS</b>	Unmixed, uncontaminated material, remaining at the end of the day, shall be returned to a proper organic peroxide storage area. Under no circumstances should material be returned to the original container.

**SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION**

<b>VENTILATION</b>	Use adequate ventilation.
<b>RESPIRATORY PROTECTION</b>	Not generally required unless necessary to prevent respiratory irritation. If necessary use NIOSH approved cartridge respirator with organic vapor cartridges. In case of spill or leak of unknown concentration, use NIOSH approved supplied air respirator.
<b>EYE PROTECTION</b>	Safety goggles recommended, goggles with a face shield are preferred.
<b>HAND PROTECTION</b>	Protective gloves recommended, solvent resistant. (Neoprene, nitrile or polyethylene)
<b>OTHER</b>	A safety shower and eyewash.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE AND ODOR:</b>	Yellow liquid with a pungent odor.	<b>SOLUBILITY IN WATER:</b>	Negligible.
<b>BOILING POINT:</b>	Decomposes.	<b>SPECIFIC GRAVITY:</b>	1.0 @ 20°C (68°F)
<b>VAPOR PRESSURE:</b>	Not established.	<b>FLASH POINT:</b>	110°F (43°C), SETA CC
<b>VAPOR DENSITY:</b>	Not established.	<b>FLAMMABLE LIMITS:</b>	Not established.
<b>EVAPORATION RATE:</b>	<1 (ethyl ether = 1)	<b>SADT:</b>	65°C (149°F)
<b>% VOLATILE BY VOLUME:</b>	100		

**SECTION 10 - STABILITY AND REACTIVITY**

<b>STABILITY</b>	Unstable.
<b>CONDITIONS TO AVOID</b>	Direct sunlight, heat, flames, sparks. Prevent product contamination. [SADT= 65°C]
<b>MATERIALS TO AVOID</b>	Promoters, accelerators, heavy metals salts, polymerizing initiators, amines, strong acids, corrosives, oxidizing and reducing agents, or any hot material.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Carbon monoxide, carbon dioxide, flammable gases, and other potentially harmful gases.
<b>HAZARDOUS POLYMERIZATION</b>	Will not occur.

**NOROX<sup>®</sup> TAPB****SECTION 11 - TOXICOLOGICAL INFORMATION**

Tertiary Amyl Peroxybenzoate

Hazard Data: No data.

Tertiary Amyl Hydroperoxide

Hazard Data: No data.

**SECTION 12 - ECOLOGICAL INFORMATION**

No data is available on the preparation itself. The product should be prevented from entering drains, sewers, streams, etc.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Prevent material from entering drains, sewers, streams, etc.

Immediately dispose of waste material at a RCRA approved hazardous waste management facility in accordance with federal, state and local regulations.

**SECTION 14 - TRANSPORT INFORMATION**DOT Shipping Name: ORGANIC PEROXIDE TYPE C, LIQUID  
(TERT-AMYL PEROXYBENZOATE, ≤100)

DOT Hazard Class: 5.2

UN/NA ID No.: UN3103

DOT Packing Group: PG II

2004 ERG GUIDE NO.: 146

**SECTION 15 - REGULATORY INFORMATION**

The following chemicals are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

**Chemical Name**

None

**CAS Number**

N/A

**Percent**

N/A

**Canadian Non-Domestic Substances List (NDSL)**

The ingredients in this product are listed in the Canadian NDSL Inventory.

**Chinese Inventory of Existing Chemical Substances Manufactured or Imported in China (IECSC)**

The ingredients in this product are listed in the Chinese IECSC Inventory.

**European Inventory of Existing Commercial Chemical Substances (EINECS)**

The ingredients in this product are listed in the European EINECS Inventory.

**US Toxic Substances Control Act (TSCA)**

The ingredients in this product are listed in the US TSCA Inventory.

**Status of Carcinogenicity**

Not recognized as a carcinogen by the IARC, NTP or OSHA.

**NOROX<sup>®</sup> TAPB****SECTION 16 - OTHER INFORMATION****VOC Information**

For more information, call Syrgis Performance Initiators, Inc.

**NFPA 432 Organic Peroxide Classification**

Class II

**NFPA 704 Rating**

Health

2

Flammability

3

Reactivity

2

**HMIS Rating**

Health

1

Flammability

2

Reactivity

2

**MSDS Reference:** TAPB MSDS 0709.1

**DISCLAIMER OF LIABILITY**

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