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# Material Safety Data Sheet

## Section 1. Chemical Product and Company Identification

**Product name** ZEP HIGH STRENGTH  
THREADLOCKER

**Product use** Sealants

**Product code** 6808

**Date of issue** 11/20/12 **Supersedes** 04/09/10

### Emergency Telephone Numbers

#### For MSDS Information:

Technical Services Group  
Telephone (780) 453-8100  
(Business Hours 8:00am - 5:00pm)

#### For Medical or Transportation Emergency

CANUTEC (24 Hours)  
(613) 996-6666 - Call Collect

#### Prepared By

Technical Services Group  
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## Section 2. Hazards Identification

### Emergency overview

MAY CAUSE EYE AND SKIN IRRITATION.

Harmful by inhalation and if swallowed. Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Contains material that may cause target organ damage, based on animal data. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.

**NOTE:** MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

#### Acute Effects

#### Routes of Entry

Skin, Eyes, Inhalation

**Eyes** Causes eye irritation. Inflammation of the eye is characterized by redness, watering and itching.

**Skin** May cause allergic skin rashes. May cause skin irritation.

**Inhalation** Over-exposure by inhalation may cause respiratory irritation.

**Ingestion** Toxic if swallowed.

#### Chronic effects

Contains material which may cause damage to the following organs: skin, eyes.

**Additional Information:** See Toxicological Information (Section 11)

## Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients	CAS number	% by Weight
Poly(oxy-1,2-ethanediyl), $\alpha$ -(2-methyl-1-oxo-2-propen-1-yl)- $\omega$ -[(2-methyl-1-oxo-2-propen-1-yl)oxy]-	25852-47-5	60 - 100
1,2-benzisothiazol-3(2H)-one 1,1-dioxide	81-07-2	1 - 5
$\alpha,\alpha$ -dimethylbenzyl hydroperoxide	80-15-9	1 - 5

## Section 4. First Aid Measures

**Eye Contact** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.

**Skin Contact** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.

<b>Inhalation</b>	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms occur.
<b>Ingestion</b>	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

### Section 5. Fire Fighting Measures

<b>Flash Point</b>	Closed cup: >93.3°C (>199.9°F) [Tagliabue.]
<b>Flammable Limits</b>	Not available.
<b>Flammability</b>	Non-flammable.
<b>Auto-ignition Temperature</b>	
<b>Fire-Fighting Procedures</b>	Fire-fighters should wear appropriate protective equipment. Use dry chemical or CO <sub>2</sub> . or Foam.
<b>Fire hazard</b>	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Products of Combustion</b>	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides
<b>Explosion hazard</b>	Not available.

### Section 6. Accidental Release Measures

<b>Spill Clean up</b>	Put on appropriate personal protective equipment (see section 8). Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
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### Section 7. Handling and Storage

<b>Handling</b>	Put on appropriate personal protective equipment (see section 8). Avoid contact with eyes, skin and clothing. Do not ingest. Use only with adequate ventilation. Wash thoroughly after handling.
<b>Storage</b>	Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Keep out of the reach of children.

### Section 8. Exposure Controls/Personal Protection

#### Product name

$\alpha,\alpha$ -dimethylbenzyl hydroperoxide

#### Exposure limits

AIHA WEEL (United States, 5/2010). Absorbed through skin.  
TWA: 1 ppm 8 hour(s).

#### Personal Protective Equipment (PPE)

<b>Eyes</b>	Safety glasses.
<b>Hands and Body</b>	Chemical-resistant gloves.
<b>Respiratory</b>	Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Wear appropriate respirator when ventilation is inadequate.



### Section 9. Physical and Chemical Properties

<b>Physical State</b>	Liquid.	<b>Color</b>	Red.
<b>pH</b>	Not available.	<b>Odor</b>	Mild.
<b>Boiling Point</b>	>149°C (>300.2°F)	<b>Vapor Pressure</b>	Not available.
<b>Specific Gravity</b>	1.1	<b>Vapor Density</b>	Not available.
<b>Solubility</b>	Very slightly soluble in the following materials: cold water and hot water.	<b>Evaporation Rate</b>	Not available.
<b>Freezing Point</b>		<b>VOC (Consumer)</b>	7.8 (g/l). 0.818%

**Section 10. Stability and Reactivity****Stability and Reactivity**

The product is stable.

**Incompatibility**

Reactive or incompatible with the following materials: oxidizing materials, reducing materials, metals and alkalis.

**Hazardous Polymerization**

Under normal conditions of storage and use, hazardous polymerization will not occur.

**Hazardous Decomposition Products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Section 11. Toxicological Information****Carcinogenicity** Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.**Acute Toxicity** $\alpha,\alpha$ -dimethylbenzyl hydroperoxide

LC50 Inhalation Gas.

Rat

220 ppm

LD50 Dermal

Rat

500 mg/kg

LD50 Oral

Rat

382 mg/kg

**Section 12. Ecological Information****Environmental Effects**

No known significant effects or critical hazards.

**Aquatic Ecotoxicity**

Not available.

**Section 13. Disposal Considerations****Waste Information**

Waste must be disposed of in accordance with applicable regulations. Consult your local or regional authorities for additional information.

**Waste Stream** Not available.**Section 14. Transport Information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
<b>TDG Classification</b>	Not regulated.			-		-
<b>IMDG Class</b>	Not available.	Not available.	Not available.	-		-

**NOTE:** DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment. **Limited Quantity:** Small quantities of controlled goods are not regulated as Dangerous Goods according to TDG regulations.

PG\* : Packing group

**Section 15. Regulatory Information****Canada****WHMIS (Canada)**

WHMIS Class D-2B: Material causing other toxic effects (Toxic).

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**Section 16. Other Information**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*