

# ThredOn T-Lok 900 (Resin) Safety Data Sheet

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### Identification of the substance or mixture

**Product Name:** ThredOn T-Lok 900 (Resin)  
**Product Use:** Thread locking compound, adhesive  
**Manufacturer:** South Coast Products  
20 Southbelt Industrial Dr  
Houston, TX 77047 USA  
**Emergency telephone number:** +1 813 248 0585, 24 hours  
Refer to code 0953A  
**E-mail address for questions regarding this SDS:** [sharons@socousa.com](mailto:sharons@socousa.com)

## 2. HAZARDS IDENTIFICATION

### GHS Classification

Skin irritation (Category 2)  
Eye irritation (Category 2A)  
Skin sensitization (Category 1)  
Germ cell mutagenicity (Category 2)  
Acute aquatic toxicity (Category 2)  
Chronic aquatic toxicity (Category 2)

### GHS label elements



### **Signal Word:**

Warning

### **Hazard statements:**

H315 – Causes skin irritation  
H317 – May cause an allergic skin reaction  
H319 – Causes serious eye irritation  
H341 – Suspected of causing genetic effects  
H411 – Toxic to aquatic life with long lasting effects

### **Precautionary statements:**

P202 – Do not handle until all safety precautions have been read and understood  
P273 – Avoid release to the environment

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P280 – Wear protective gloves/eye protection/face protection  
P302 + P352 – IF ON SKIN: Wash with plenty of soap and water  
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Other hazards:** High pressure injection under skin is a medical emergency.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Concentration
Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers CAS-No. 25085-99-8	30-45%
1,2-Epoxy-3-(2-methylphenoxy)propane CAS-No. 2210-79-9	10-20%

### 4. FIRST AID MEASURES

**General:** If exposed or concerned, get medical attention or advice.  
**Inhalation:** Move exposed person to fresh air. If effects occur, get medical attention.  
**Ingestion:** Wash out mouth with water. Do not induce vomiting. Get medical attention if stomach pains or nausea occur.  
**Skin contact:** Remove contaminated clothing and shoes. Wash skin with soap and water. Get medical attention if irritation symptoms persist.  
**Eye contact:** Check for and remove any contact lenses. Immediately flush eyes with running water for at least 5 minutes, keeping eyelids open. Get medical attention.

### 5. FIRE-FIGHTING MEASURES

**Suitable media:** Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.  
**Not suitable:** Do not use water jet.  
**Combustion products:** Carbon monoxide, carbon dioxide, phenolics.  
**Special protective equipment for fire-fighters:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus with a full face-piece operated in positive pressure mode.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Wear appropriate personal protection equipment (see section 8).  
**Environmental precautions:** Recover free product. Use suitable oil adsorbent and dispose of material in accordance with all regulations. Keep product out of sewers and watercourses, prevent soil penetration. Advise authorities if large amounts of product enter waterways or extensive land areas.

### 7. HANDLING AND STORAGE

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**Handling:** Wear appropriate personal protection equipment (see section 8). Do not eat, drink or smoke when using. Wash thoroughly after handling. Follow good hygiene and housekeeping practices.

**Storage:** Store in cool dry area in original or equivalent container in accordance with all regulations. Do not expose to extreme heat or flame. Do not expose to extreme cold. Store at 5 – 40°C, away from strong oxidizers and acids.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters:** No ingredients have workplace exposure limits.

**Engineering controls:** Use with adequate ventilation.

**Eye/face protection:** Safety glasses. Ensure eye bath is to hand.

**Hand protection:** Protective gloves. Nitrile or butyl rubber recommended.

**Skin protection:** No additional protection required beyond normal industrial attire is required.

**Respiratory protection:** No special measures required.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance and odor:** Grey paste, mild odor

**pH:** Not applicable, insoluble in water

**Flash point:** 121°C (250°F) (PMCC)

**Evaporation rate:** No data

**Upper flammability limit:** Not applicable

**Lower flammability limit:** Not applicable

**Vapor pressure:** No data

**Vapor density:** No data

**Relative density:** 1.4

**Solubility:** Insoluble in water

**Viscosity:** Cone penetration 330-365 (ASTM D217)

### 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable

**Polymerization:** Will not occur without amine catalyst, then it may build up heat

**Conditions to avoid:** Extreme heat

**Incompatible materials:** Strong oxidizers.

**Hazardous decomposition products:** Carbon oxides, phenolics

### 11. TOXICOLOGICAL INFORMATION

#### Potential acute health effects

**Acute toxicity:**

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LD50 Oral – rat - >5000 mg/kg estimated, based on components

LD50 Dermal – rabbit - >5000 mg/kg estimated, based on components

**Eye damage/irritation:** May cause moderate eye irritation. Corneal damage is unlikely.

**Skin corrosion/irritation:** Prolonged or repeated contact may cause skin irritation with local redness.

### Potential chronic health effects

**Sensitization:** May cause allergic skin reaction

**Repeated dose toxicity:** Except for skin sensitization, none anticipated

**Carcinogenicity:** No ingredients listed as carcinogens

**Mutagenicity:** Suspected of causing genetic effects

**Reproductive toxicity:** No ingredients suspected to cause reproductive effects

**STOT repeated exposure:** No known effects

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Toxic to aquatic life with long lasting effects

### ***Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers***

Toxicity to fish: LC50 – Oncorhynchus mykiss (rainbow trout) – 96h – 2 mg/l

Toxicity to daphnia and other aquatic invertebrates: EC50 – Daphnia magna (water flea) – 48h – 1.8 mg/l

Toxicity to algae: EC50 – Scenedesmus capricornutum (fresh water algae) – 72h – 11 mg/l

Chronic toxicity: NOEC – Daphnia magna (water flea) – 21d – 0.3 mg/l

### ***1,2-Epoxy-3-(2-methylphenoxy)propane***

Toxicity to fish: LC50 – Oncorhynchus mykiss (rainbow trout) – 96h – 7.5 mg/l

Toxicity to daphnia and other aquatic invertebrates: EC50 – Daphnia magna (water flea) – 48h – 3.3 mg/l

Toxicity to algae: EC50 – Scenedesmus capricornutum (fresh water algae) – 72h – 5.1 mg/l

**Persistence/degradability:** Not expected to be readily biodegradable

**Bioaccumulative potential:** Moderate, Log Pow estimated between 3 and 5

**Mobility in soil:** No information available

**Other adverse effects:** No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste disposal:** Generation of waste should be avoided or minimized where possible. Empty containers may contain residue. Dispose of as hazardous waste via licensed waste disposal operator. Follow all applicable regulations.

## 14. TRANSPORT INFORMATION

Transport information according to ADR, RID, ADN, IMDG, ICAO, IATA

**UN number:** UN3077

**Proper shipping name:** Environmentally hazardous substance, solid, n.o.s. (epoxy resin)

**Hazard class:** Class 9

**Packing group:** PGIII

**Additional information:** Marine pollutant

**Note:** Containers 5 kg (11 lbs) or less are excluded from the requirements of this classification.

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Transport information according to USDOT: Not regulated.

## 15. REGULATORY INFORMATION

### US Regulations

**SARA 302 Extremely Hazardous Substances:** None.

**SARA 313 Components:** None.

### State Regulations

**California Prop 65:** No ingredients listed.

**Massachusetts Right to Know:** No ingredients listed.

**New Jersey Right to Know:** No ingredients listed.

**Pennsylvania RTK Hazardous Substances:** No ingredients listed.

**United States inventory (TSCA):** All ingredients listed or exempt.

### International regulations

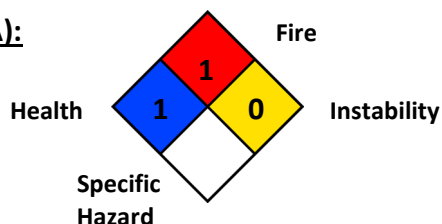
**Canada: WHMIS Classification:** D2B: Material causing other toxic effects (toxic). **WHMIS:** This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

## 16. OTHER INFORMATION

### Hazardous Material Information System (USA):

HEALTH	1*
FIRE	1
REACTIVITY	0
PERSONAL PROTECTION	B

### National Fire Protection Association (USA):



**Revision information:** Rev. 1: added additional information in Section 14. Rev 2: added note to Section 14. Rev 3: corrected Section 2 to include germ cell mutagenicity (cat. 2) – H341. Rev 3: reviewed with no changes. Rev 4: reviewed with no changes,

**END OF SAFETY DATA SHEET**