

# Thread Lok-HD (Hardener)

## Safety Data Sheet



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

#### Identification of the substance or mixture

**Product Name:** Thread Lok-HD (Hardener)  
**Product Use:** Thread locking compound, adhesive  
**Manufacturer:** South Coast Products  
20 Southbelt Industrial Dr  
Houston, TX 77047 USA

**Supplier:** Triune General Trading LLC, Ras Al Khor, Dubai, UAE  
**Emergency telephone number:** +1 813 248 0585, 24 hours (Refer to code 0953B)  
**E-mail address for questions regarding this SDS:** [sales@triuneme.com](mailto:sales@triuneme.com)

### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Skin irritation (Category 2)  
Serious eye damage/eye irritation (Category 1)  
Skin sensitization (Category 1)  
Respiratory sensitization (Category 1)  
Reproductive toxicity (Category 2)  
Reproductive toxicity (Category 2)  
Specific target organ toxicity, repeated exposure (Category 1)

#### GHS label elements



#### **Signal Word:**

Danger

#### **Hazard statements:**

H315 – Causes skin irritation  
H317 – May cause an allergic skin reaction  
H318 – Causes serious eye damage  
H334 – May cause allergy or asthma symptoms or respiratory difficulties if inhaled  
H361d – Suspected of damaging the unborn child  
H361f – Suspected of damaging fertility  
H372 – Causes damage to organs through prolonged or repeated exposure: (kidneys, lungs, liver, skin)

#### **Precautionary statements:**

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P202 – Do not handle until all safety precautions have been read and understood.  
P280 – Wear protective gloves/protective clothing/eye protection/face protection  
P261 – Avoid breathing vapors  
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.  
P304 + P340 – IF INHALED: remove person to fresh air and keep comfortable for breathing.  
P314 – Get medical attention or advice if you feel unwell

**Other hazards:** None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Amine based epoxy hardener

#### Hazardous components

Component	Concentration
<b>Polyethylpolyamine (Proprietary)</b> CAS-No. not known	5-10%
<b>Polyethylpolyamine #1 (Proprietary)</b> CAS-No. not known	5-10%

### 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.  
**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 15 minutes, keeping eyelids open. Get medical attention.

**Note to physician:** Treat symptomatically.

### 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.  
**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).

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**Environmental precautions:** Recover free product. Use suitable 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

**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:**

Chemical name	CAS no.	OSHA PEL	ACGIH TLV
Polyethylenepolyamine (Proprietary)	unknown	not established	1 ppm TWA
Polyethylenepolyamine #1 (Proprietary)	unknown	not established	1 ppm TWA

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

**Eye/face protection:** Safety glasses. Safety goggles where risk of splash exists. Ensure eye bath is to hand.

**Hand protection:** Protective gloves. Nitrile recommended.

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

**Respiratory protection:** Use a NIOSH approved respirator where air levels exceeding TWA may exist. Organic vapor cartridges.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance and odor:** Colorless to slightly yellow liquid, amine odor

**pH:** No data

**Flash point:** > 93°C (PMCC)

**Evaporation rate:** No data

**Upper flammability limit:** No data

**Lower flammability limit:** No data

**Vapor pressure:** No data

**Vapor density:** > 1

**Relative density:** 1.02

**Solubility:** Insoluble in water, soluble in alcohols and petroleum distillates

**Viscosity:** 300-500 cps

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## 10. STABILITY AND REACTIVITY

<b>Chemical stability:</b>	Stable
<b>Polymerization:</b>	Will not occur
<b>Conditions to avoid:</b>	Extreme heat
<b>Incompatible materials:</b>	Strong oxidizers
<b>Hazardous decomposition products:</b>	Carbon oxides, other unknown products

## 11. TOXICOLOGICAL INFORMATION

### Potential acute health effects

#### **Acute toxicity:**

49CFR 173.137 & 137 – rabbit – moderate skin irritant

#### ***Polyethylenepolyamine (Proprietary):***

LD50 oral – rabbit – 5500 mg/kg

LD50 oral – mouse – 38.5 mg/kg

LD50 oral – rat – 1080 mg/kg

LD50 dermal – rabbit – 675 mg/kg

#### ***Polyethylenepolyamine #1 (Proprietary):***

LD50 oral – rat – 2800 mg/kg

LD50 dermal – rabbit – 550 mg/kg

**Eye damage/irritation:** Causes serious eye damage. Direct contact with eyes can cause irreversible damage including blindness.

**Skin corrosion/irritation:** Contact may cause skin irritation with local redness.

### Potential chronic health effects

**Sensitization:** May cause allergic skin and respiratory reactions.

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

**Carcinogenicity:** No ingredients listed as carcinogens.

**Mutagenicity:** No ingredients listed as mutagens.

**Reproductive toxicity:** Suspected of damaging fertility and the unborn child.

**STOT repeated exposure:** Kidneys, lungs, liver, skin.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No known significant effects or critical hazards.

**Persistence/degradability:** No information available.

**Bioaccumulative potential:** No information available.

**Mobility in soil:** No information available.

**Other adverse effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

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**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: Not regulated  
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:** Polyethylenepolyamine (Proprietary), Polyethylenepolyamine #1 (Proprietary)

**New Jersey Right to Know:** Polyethylenepolyamine (Proprietary), Polyethylenepolyamine #1 (Proprietary)

**Pennsylvania RTK Hazardous Substances:** Polyethylenepolyamine (Proprietary), Polyethylenepolyamine #1 (Proprietary)

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

#### International regulations

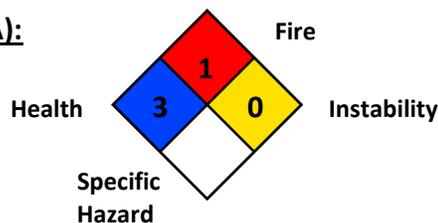
**Canada: WHMIS Classification:** D1A: Material causing immediate and serious toxic effects (very toxic). D2A: Material causing other toxic effects (Very toxic). D2B: Material causing other toxic effects (toxic). **WHMIS:** This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

### 16. OTHER INFORMATION

#### Hazardous Material Information System (USA):

HEALTH	3*
FIRE	1
REACTIVITY	0
PERSONAL PROTECTION	B

#### National Fire Protection Association (USA):



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**Revision information:** Rev 1: corrected classification in Section 2. Rev 2: updated Section 2 to include reproductive and STOT statements and corollary changes in Section 11. Rev 3: reviewed with no changes. Rev 4: reviewed with no changes.

**END OF SAFETY DATA SHEET**