

# ROTARY THREAD®

## THREADLOCKER (TEMPORARY HOLD)

### Material Safety Data Sheet

#### 1. Chemical Products and their Identification

**Product Name:** 242 RT Thread Locking Agent (Temporary Hold)  
**Order Code:** 24200  
**Product Type:** Anaerobic

#### 2. Composition, Ingredient Information

Element	CAS code	%
Polyethylene glycol dimethacrylate	25852-47-5	60-65
Polyethylene glycol oleate	9004-96-0	25-30
O-sulfonyl benzimide	81-07-2	3-5
Cumene Hydroperoxide*	80-15-9	1-3
Propylene Glycol	57-55-6	1-3
Amorphous amorphous fumed silica	112945-52-5	1-3
N,N-Dialkyltoluidine	613-48-9	0.1-1
Titanium dioxide	13463-67-7	0.1-0.5

\*This ingredient is listed in SARA Section 313, Toxic Chemicals.

There are exposure restricted ingredients.

Exposure Limit (TWA) Element	ACGIH (TLV)	OSHA (PEL)	Other
Cumene hydroperoxide	without	without	1ppm (6 mg/m <sup>3</sup> ) Skin (WEEL)
Amorphous amorphous fumed silica	10mg/m <sup>3</sup> TWA	6mg/m <sup>3</sup> TWA	3mg/m <sup>3</sup> TWA Respirable dust
Titanium dioxide	10mg/m <sup>3</sup> dust	15mg/m <sup>3</sup> Total dust	without
Exposure Limit (STEL) Element	ACGIH (TLV)	OSHA (PEL)	

#### 3. Hazard Information

**Toxicity:** Slightly irritating to the eyes. Propylene glycol slightly irritates the skin.

**The main way of intrusion:** Contact with eyes and skin.

**Signs and symptoms:** Prolonged exposure to sensitive individuals can cause dermatitis.

**Exposure causes deterioration of living conditions:** Propylene glycol:  
Dermatitis.

Element	References	Carcinogen		
		NTP	IARC	OSHA
	<b>Effects on human organs and other health conditions</b>			
Polyethylene glycol dimethacrylate	ALG IRR	without	without	without
Polyethylene glycol oleate	IRR	without	without	without
O-sulfonyl benzimide	NTO	without	Not Applicable	Not Applicable
Cumene hydroperoxide	ALG CNS COR IRR MUT	without	without	without
Propylene Glycol	IRR	without	without	without
Amorphous amorphous fumed silica	NUI	without	Not Applicable	Not Applicable
N,N-Dialkyltoluidine	NTO	without	without	without
Titanium dioxide	IRR RES	without	without	without

#### Abbreviation

N/A Not Applicable

CNS Central Nervous System

IRR Irritating

ALG Allergy

COR Corrosion

MUT Mutagen

NTO No Target Organ

NUI Harmful Dust

RES Breathe

## 4. First Aid Measures

<b>Ingestion:</b>	Don't induce vomiting. Keep calm and seek medical help.
<b>Inhalation:</b>	Not applicable.
<b>Skin Contact:</b>	Rinse thoroughly with soapy water.
<b>Eye Contact:</b>	Rinse with water for at least 15 minutes and seek medical help.

## 5. Fire Fighting Measures

<b>Flash point:</b>	More than 200°F Method: Tag Closed Cup
<b>Recommended fire extinguishing agent:</b>	Carbon dioxide, foam, dry powder fire extinguishing agent.
<b>Special fire fighting methods:</b>	Not Applicable
<b>Hazardous substances produced by combustion or thermal decomposition:</b>	Irritating organic vapors; carbon oxides.
<b>Special fire or explosion hazards:</b>	Without
<b>Explosion limits: (Volume ratio in air, %)</b>	
<b>Lower limit:</b>	Propylene glycol: 2.6%
<b>(Volume ratio in air, %) Upper limit:</b>	Propylene glycol: 12.5%

## 6. Accidental Leakage Treatment

**Unexpected overflow or leakage treatment measures:** Absorb with inert absorbent, store in a closed container, pending disposal.

## 7. Operation and Storage

**Safe Storage:** Store below 100°F.  
(For specific storage life, please email support@rotarythread.com)

**Operate:** Avoid long-term contact with skin.  
Avoid contact with eyes.

## 8. Personal Protection

**Eye:** Protective glasses or goggles.

**Skin:** Neoprene or butyl rubber gloves.

**Ventilation:** Not Applicable

**Breathe:** Not Applicable

See Exposure Limits in Section 2

## 9. Physical and Chemical Properties

**Exterior:** Blue Liquid

**Odor:** Slight

**Boiling Point:** More than 300°F.

**pH:** Not Applicable

**Water Solubility:** Slightly Soluble

**Proportion:** Under 75°F, 1.1

**Organic Volatility (EPA, Method 24):** 4.478%;  
49.3g/L

**Steam Pressure:** Under 80°F, less than 5mmHg

**Steam Density:** Not Applicable

**Evaporation Rate (ether = 1):** Not Applicable

## 10. Stability and Activity

**Stability:** Stabilize

**Dangerous Aggregation:** Will not occur

**Incompatibility:** Strong oxidizer, free radical initiator, inert gas.

**Situations to Avoid:** No known

**Hazardous Decomposition Products (Non-thermal Decomposition):** Slightly Soluble

Without

## 11. Toxicity Information

Estimated oral injury limit LD50 exceeds 10000mg/kg  
Estimated skin damage limit LD50 exceeds 5000mg/kg

## 12. Ecological Impact

No data available.

## 13. Disposal Considerations

**Suggested Treatment Method:** Incineration in accordance with EPA and local regulations  
**EPA Hazardous Waste Serial Number:** NH- not classified as RCRA hazardous waste

## 14. Transport Information

**DOT (49 CFR 172)  
U.S. domestic ground  
transportation**

**Suitable shipping name:** No classification  
**Danger level:** No classification  
**Identification number:** Without  
**Marine pollutants:** Without

**IATA**

**Suitable shipping name:** No classification  
**Danger level:** No classification  
**UN or ID number:** Without

## 15. Regulatory Information

**CA Clause 65:** Does not contain chemicals specified in CA Clause 65.

## 16. Other Information

**NFPA (R) Evaluation Code:**  
**Health Hazards:** 1  
**Flammability:** 1  
**Reaction risk:** 1  
**Special Hazards:** Not Applicable  
**HMIS (R) Evaluation Code:**  
**Health hazards:** 1\*  
**Flammability:** 1  
**Reaction Risk:** 1  
**Personal Protection:** See section 8