

# SAFETY DATA SHEET



Date Prepared : 06/26/2012  
 MSDS No : 11790474\_PL34512  
 Date-Revised : 09/20/2017  
 Revision No : 4

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT DESCRIPTION:** 41401 SOL. 20 RETAIN THREADLOCKER

### MANUFACTURER

MRO Solutions L.L.C.  
 5645 West Howard Street  
 Niles, IL 60714

**Service Number:** (847) 588-2480

### 24 HR. EMERGENCY TELEPHONE NUMBERS

MRO Solutions – For Chemical Emergency/Information  
 (847) 588-2480

## 2. HAZARDS IDENTIFICATION

### GHS CLASSIFICATIONS

#### Health:

Skin Corrosion, Category 1A  
 Skin Sensitization, Category 1  
 Target Organ Toxicity - Single Exposure (Respiratory), Category 3  
 Acute Toxicity (Inhalation), Category 4

### GHS LABEL ELEMENTS

Note: If this product is a consumer product it is labeled in accordance with the Consumer Product Safety Commission regulations and not OSHA regulations. The requirements for the labeling of consumer products take precedence over OSHA labeling so the actual product label will not contain the OSHA label elements shown below on this SDS.



Corrosion



Exclamation  
mark

**SIGNAL WORD:** DANGER

### HAZARD STATEMENTS

H314: Causes severe skin burns and eye damage.  
 H317: May cause an allergic skin reaction.  
 H332: Harmful if inhaled.  
 H335: May cause respiratory irritation.

### PRECAUTIONARY STATEMENT(S)

#### Prevention:

P271: Use only outdoors or in a well-ventilated area.  
 P260: Do not breathe dust/fume/gas/mist/vapours/spray.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P264: Wash skin and hands thoroughly after handling.

#### Response:

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P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P302+352: IF ON SKIN: Wash with plenty of soap and water.  
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310: Immediately call a POISON CENTER or doctor/physician.  
 P312: Call a POISON CENTER or doctor/physician if you feel unwell.  
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
 P363: Wash contaminated clothing before reuse.

## Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.  
 P405: Store locked up.

## Disposal:

P501: Dispose of in a manner consistent with federal, state, and local regulations.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Polyethylene Glycol Dimethacrylate	25 - 60	25852-47-5
2-HYDROXYETHYL METHACRYLATE	> 34.4835	25852-47-5
Maleic acid	< 5	110-16-7
Ethylene glycol	< 5	107-21-1
Cumene Hydroperoxide	0.8 - 0.9	80-15-9
Cumene	0.02 - 0.155	98-82-8
Acetic Acid	≤ 0.0000457	64-19-7

### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with large quantities of water for several minutes, while holding eyelids apart. Remove contact lenses if easy to do so. Continue rinsing. Get medical attention if irritation or bonding occurs.

**SKIN:** Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms reoccur. Wash clothing before reuse.

**INGESTION:** Do Not induce vomiting. Contact physician at once.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Causes serious eye damage.

**SKIN:** Causes severe skin burns.

**SKIN ABSORPTION:** This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

**INGESTION:** Can burn mouth, throat and stomach.

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**INHALATION:** Prolonged or excessive inhalation may cause respiratory tract irritation.

**ACUTE EFFECTS:** Causes severe skin burns and eye damage.

**CHRONIC EFFECTS:** May cause skin sensitization.

## 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** Not Flammable

**EXTINGUISHING MEDIA:** Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon Dioxide, Carbon Monoxide and other toxic or irritating compounds may form when heated to decomposition.

**EXPLOSION HAZARDS:** Containers may rupture violently under fire temperatures. Cool containers with water if exposed to fire conditions.

**FIRE FIGHTING PROCEDURES:** Firefighters should wear self-contained breathing apparatus and protective clothing.

**FIRE FIGHTING EQUIPMENT:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

**FIRE EXPLOSION:** This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

**SENSITIVE TO STATIC DISCHARGE:** Not Applicable.

**SENSITIVITY TO IMPACT:** Not Applicable.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Monoxide, carbon dioxide and unknown fumes.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Absorb liquid and place in sealed container for disposal.

**LARGE SPILL:** This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Avoid runoff into storm sewers and ditches which lead to waterways.

**LAND SPILL:** Prevent from entering into soil, ditches, sewers, waterways and/or ground water. See Section 12, Ecological Information.

**AIR SPILL:** Prevent contamination of soil, drains and surface waters. Dike and contain material. Soak up residue with absorbent (clay, sand) materials and dispose of properly.

**GENERAL PROCEDURES:** Polymerize with water. Increase ventilation to area. Solid material may be scraped from surface.

**SPECIAL PROTECTIVE EQUIPMENT:** Wear a self-contained breathing apparatus and appropriate personal protective equipment. (See Exposure Controls/Personal Protection Section).

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Use with adequate ventilation. Avoid contact with eyes, skin and clothing.

**HANDLING:** Avoid contact with skin and eyes. Wash thoroughly after handling.

**STORAGE:** Store in a cool place in original container and protect from sunlight. Keep away from sources of ignition.

**STORAGE TEMPERATURE:** Suggested storage conditions: Less than 77F/25C. Protect from freezing.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m <sup>3</sup>
Ethylene glycol	ACGIH TLV	TWA	[1]	100 [1]
Cumene Hydroperoxide	OSHA PEL	TWA	50	245
Cumene	OSHA PEL	TWA	50	245
	ACGIH TLV	TWA	50	246
Acetic Acid	OSHA PEL	TWA	10	25
	ACGIH TLV	TWA	10	25
		STEL	15	37

**OSHA TABLE COMMENTS:**  
1. Aerosol only

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

**SKIN:** Vinyl or rubber gloves.

**RESPIRATORY:** If ventilation is not adequate, wear NIOSH approved respiratory protection.

**PROTECTIVE CLOTHING:** Wear protective clothing. Launder contaminated clothing before reuse.

**WORK HYGIENIC PRACTICES:** Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Low odor.

**ODOR THRESHOLD:** No data available

**APPEARANCE:** Green liquid.

**COLOR:** Green

**pH:** No data available

**PERCENT VOLATILE:** No data available

**FLASHPOINT AND METHOD:** No data available

**AUTOIGNITION TEMPERATURE:** No data available

**VAPOR PRESSURE:** No data available

**VAPOR DENSITY:** No data available

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**BOILING POINT:** No data available  
**FREEZING POINT:** No data available  
**MELTING POINT:** No data available  
**POUR POINT:** No data available  
**THERMAL DECOMPOSITION:** No data available  
**SOLUBILITY IN WATER:** No data available  
**EVAPORATION RATE:** No data available  
**DENSITY:** No data available  
**SPECIFIC GRAVITY:** No data available  
**VISCOSITY:** No data available  
**MOLECULAR WEIGHT:** No data available  
**(VOC):** No data available

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** Yes  
**HAZARDOUS POLYMERIZATION:** May occur upon depletion of inhibitor.  
**STABILITY:** Stable  
**CONDITIONS TO AVOID:** Avoid temperatures exceeding 100F/38C and avoid contact with metal powders, metal salts and amines.  
**POSSIBILITY OF HAZARDOUS REACTIONS:** Under normal conditions of storage and use, hazardous reactions will not occur.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Dioxide, Carbon Monoxide and other toxic or irritating compounds may form when heated to decomposition.  
**INCOMPATIBLE MATERIALS:** Oxidizers, metal salts, heat, inert gases and amines.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Polyethylene Glycol Dimethacrylate	> 2000 mg/kg		
2-HYDROXYETHYL METHACRYLATE	5564 mg/kg	> 3000 mg/kg	
Maleic acid	2870 mg/kg (rat)	2620 mg/kg (rabbit)	
Ethylene glycol	> 5000 mg/kg (rat)	10626 mg/kg (rabbit)	
Cumene Hydroperoxide	382 mg/kg (rat)	133 mg/kg (rabbit)	220 ppm per 4 hr (rat)
Cumene	> 2000 mg/kg (rat)	10578 mg/kg (rabbit)	8000 ppm per 4 hr (rat)
Acetic Acid	6190 mg/kg		

**SERIOUS EYE DAMAGE/IRRITATION:** May cause eye irritation, skin irritation and irritation of respiratory tract.

**RESPIRATORY OR SKIN SENSITISATION:** May cause sensitization by skin contact.

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## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Prevent product from entering drains or sewers in case of spill.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of in a manner consistent with federal, state, and local regulations.

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Not restricted

### ROAD AND RAIL (ADR/RID)

**PROPER SHIPPING NAME:** Not restricted

### AIR (ICAO/IATA)

**SHIPPING NAME:** Not restricted

### VESSEL (IMO/IMDG)

**SHIPPING NAME:** Not restricted

### CANADA TRANSPORT OF DANGEROUS GOODS

**SHIPPING NAME:** Not restricted

## 15. REGULATORY INFORMATION

### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

**313 REPORTABLE INGREDIENTS:** Section 313: Cumene hydroperoxide (CAS 80-15-9), less than 3%.

#### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt. %	CERCLA RQ
Cumene Hydroperoxide	0.8 - 0.9	10
Cumene	0.02 - 0.155	5,000
Acetic Acid	≤ 0.0000457	5,000

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

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Chemical Name	CAS
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2-HYDROXYETHYL METHACRYLATE	25852-47-5
Maleic acid	110-16-7
Ethylene glycol	107-21-1
Cumene Hydroperoxide	80-15-9
Cumene	98-82-8
Acetic Acid	64-19-7

**TSCA STATUS:** All ingredients in this mixture are in compliance with TSCA.

**CALIFORNIA PROPOSITION 65: WARNING:** This product can expose you to chemicals including Cumene, which is known to the State of California to cause cancer, and Ethylene glycol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Chemical Name	Wt.%	Listed
Ethylene glycol	< 5	Developmental Toxicity
Cumene	0.02 - 0.155	Cancer

## 16. OTHER INFORMATION

**APPROVED BY:** Regulatory Affairs Manager

**PREPARED BY:** Regulatory Affairs Manager

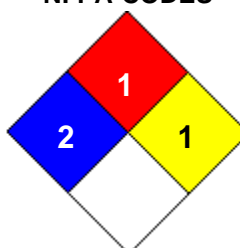
**Date-Revised:** 09/20/2017

**REVISION SUMMARY:** This MSDS replaces the 01/30/2015 MSDS. Revised: **Section 1:** APPROVED BY, Date Issued, Date-Revised, MSDS No, PREPARED BY, TITLE. **Section 2:** . **Section 3:** Wt.%. **Section 6:** GENERAL PROCEDURES, . **Section 7:** ELECTROSTATIC ACCUMULATION HAZARD, LOADING TEMPERATURE, LOADING/UNLOADING VISCOSITY, SPECIAL SENSITIVITY, STORAGE PRESSURE. **Section 8:** ENGINEERING CONTROLS. **Section 9:** AUTOIGNITION TEMPERATURE, BOILING POINT, COEFF. OIL/WATER, DENSITY, EVAPORATION RATE, FLAMMABLE LIMITS, FLASHPOINT AND METHOD, FREEZING POINT, MELTING POINT, MOLECULAR WEIGHT, PERCENT VOLATILE, pH, POUR POINT, SOLUBILITY IN WATER, SPECIFIC GRAVITY, VAPOR DENSITY, VAPOR PRESSURE, VISCOSITY, (VOC), . **Section 11:** ACUTE, IARC, NTP, OSHA, GERM CELL MUTAGENICITY, REPRODUCTIVE TOXICITY, STOT-SINGLE EXPOSURE, , SKIN CORROSION/IRRITATION. **Section 12:** ECOTOXICOLOGICAL INFORMATION, BIOACCUMULATION/ACCUMULATION, AQUATIC TOXICITY (ACUTE) - Notes. **Section 13:** DISPOSAL METHOD. **Section 15:** CALIFORNIA PROPOSITION 65, WHMIS CLASS.

### HMIS RATING

HEALTH	<input type="checkbox"/>	2
FLAMMABILITY		1
PHYSICAL HAZARD		1
PERSONAL PROTECTION		B

### NFPA CODES



**HMIS RATINGS NOTES:** Safety glasses and gloves are recommended for usage.

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