

SAFETY DATA SHEET



Date Prepared : 12/19/2014
 MSDS No : 11790498_PL34539
 Date-Revised : 09/19/2017
 Revision No : 3

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: 40116 SOL 15 LOW STR SCREW LOC 50ML

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 Irritation, Category 2
 Eye Irritation, Category 2
 Specific Target Organ Toxicity (Single Exposure), Category 3
 Skin Sensitization, Category 2

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.



Exclamation
 mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H315: Causes skin irritation.
 H319: Causes serious eye irritation.
 H335: May cause respiratory irritation.

PRECAUTIONARY STATEMENT(S)

Prevention:

P271: Use only outdoors or in a well-ventilated area.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P362: Take off contaminated clothing.

Response:

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

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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.
 P312: Call a POISON CENTER or doctor/physician if you feel unwell.
 P332+P313: If skin irritation occurs: Get medical advice/attention.
 P362: Take off contaminated clothing.

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
Polyglycol oleate	35 - 40	9004-96-0
2-HYDROXYETHYL METHACRYLATE	> 28.324	868-77-9
2,6-di-tert-butyl-p-cresol	< 5	128-37-0
Ethylene glycol	< 5	107-21-1
Maleic acid	< 5	110-16-7
Saccharin	3 - 5	81-07-2
Silica, Amorphous, Fumed	1 - 3	112945-52-5
Cumene Hydroperoxide	0.8 - 0.9	80-15-9
Cumene	0.02 - 0.155	98-82-8

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 flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.

INGESTION: If swallowed, seek medical advice immediately and show this container or label.

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 eye irritation.

SKIN: Causes skin irritation. Allergic reactions are possible.

ACUTE EFFECTS: Irritating to skin. May cause allergic skin reaction with prolonged contact.

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5. FIRE FIGHTING MEASURES

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: None known.

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

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: None known.

SENSITIVE TO STATIC DISCHARGE: None known.

SENSITIVITY TO IMPACT: None Known.

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

LAND 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.

AIR SPILL: None known.

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

SPECIAL PROTECTIVE EQUIPMENT: Use plastic/rubber gloves, chemical splash goggles or safety glasses with side shields.

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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
Chemical Name	Type		EXPOSURE LIMITS	
			ppm	mg/m ³
2,6-di-tert-butyl-p-cresol	ACGIH TLV	TWA		2
Ethylene glycol	ACGIH TLV	TWA	[1]	100 [1]
Silica, Amorphous, Fumed	OSHA PEL	PEL	N/A	6 mg/m ³
	ACGIH TLV	TLV	N/A	10 mg/m ³
Cumene Hydroperoxide	OSHA PEL	TWA	50	245
Cumene	OSHA PEL	TWA	50	245
	ACGIH TLV	TWA	50	246

OSHA TABLE COMMENTS:
 1. Aerosol only

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: Use only in a well-ventilated area. In case of insufficient ventilation, wear suitable respiratory equipment.
 Recommended: Full-face NIOSH-approved respirator with organic vapor cartridge.

WORK HYGIENIC PRACTICES: Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: No data available

ODOR THRESHOLD: No data available

APPEARANCE: Purple liquid.

COLOR: Mild odor.

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: >

BOILING POINT: No data available

FREEZING POINT: No data available

MELTING POINT: No data available

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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

HAZARDOUS POLYMERIZATION: Will not occur.

STABILITY: Stable

CONDITIONS TO AVOID: Avoid temperatures exceeding 100F/38C and incompatible materials.

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

INCOMPATIBLE MATERIALS: Strong acids and alkalis, reactive metals and strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Polyethylene Glycol Dimethacrylate	> 2000 mg/kg		
2-HYDROXYETHYL METHACRYLATE	5564 mg/kg	> 3000 mg/kg	
2,6-di-tert-butyl-p-cresol	890 mg/kg (rat)	> 2000 mg/kg (rat)	
Ethylene glycol	> 5000 mg/kg (rat)	10626 mg/kg (rabbit)	
Maleic acid	2870 mg/kg (rat)	2620 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)

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

RESPIRATORY OR SKIN SENSITISATION: May cause allergic skin reaction.

CARCINOGENICITY

Chemical Name	IARC Status
2,6-di-tert-butyl-p-cresol	3
Saccharin	3

12. ECOLOGICAL INFORMATION

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ENVIRONMENTAL DATA: No known ecological affects of cured product.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of following all Local Authority requirements for disposal.

PRODUCT DISPOSAL: Dispose of following all Local Authority requirements for disposal.

EMPTY CONTAINER: Dispose of following all Local Authority requirements for disposal.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

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)

311/312 HAZARD CATEGORIES: Immediate (acute) health and Delayed (chronic) health hazards.

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%.

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Saccharin	3 - 5	81-07-2

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%	CERCLA RQ
Saccharin	3 - 5	100
Cumene Hydroperoxide	0.8 - 0.9	10
Cumene	0.02 - 0.155	5,000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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Chemical Name	CAS
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Polyglycol oleate	9004-96-0
2-HYDROXYETHYL METHACRYLATE	868-77-9
2,6-di-tert-butyl-p-cresol	128-37-0
Ethylene glycol	107-21-1
Maleic acid	110-16-7
Saccharin	81-07-2
Silica, Amorphous, Fumed	112945-52-5
Cumene Hydroperoxide	80-15-9
Cumene	98-82-8

TSCA STATUS: All components are listed on or are exempt from listing on the Toxic Substances Control Act.

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.

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: 09/19/2017

REVISION SUMMARY: This MSDS replaces the 03/24/2014 MSDS. Revised: **Section 1:** APPROVED BY, Date Issued, MSDS No, PREPARED BY, TITLE. **Section 2:** EMERGENCY OVERVIEW (PHYSICAL APPEARANCE), POTENTIAL HEALTH EFFECTS (SKIN, INGESTION). **Section 3:** Wt.%. **Section 5:** EXPLOSION HAZARDS, FIRE EXPLOSION, FIRE FIGHTING PROCEDURES, SENSITIVE TO STATIC DISCHARGE, SENSITIVITY TO IMPACT. **Section 6:** AIR SPILL, GENERAL PROCEDURES, LAND SPILL, SPECIAL PROTECTIVE EQUIPMENT, WATER SPILL, . **Section 8:** PERSONAL PROTECTIVE EQUIPMENT - RESPIRATORY . **Section 9:** AUTOIGNITION TEMPERATURE, BOILING POINT, COLOR, DENSITY, EVAPORATION RATE, FLASHPOINT AND METHOD, FREEZING POINT, MELTING POINT, MOLECULAR WEIGHT, ODOR, ODOR THRESHOLD, PERCENT VOLATILE, pH, PHYSICAL STATE, POUR POINT, SOLUBILITY IN WATER, SPECIFIC GRAVITY, VAPOR DENSITY, VAPOR PRESSURE, VISCOSITY, VISCOSITY #1, (VOC), THERMAL DECOMPOSITION, . **Section 11:** CARCINOGENICITY, . **Section 13:** EMPTY CONTAINER, PRODUCT DISPOSAL. **Section 15:** ACUTE, CHRONIC, FIRE, PRESSURE GENERATING, REACTIVITY, 311/312 HAZARD CATEGORIES, 313 REPORTABLE INGREDIENTS, TSCA STATUS, CALIFORNIA PROPOSITION 65, WHMIS CLASS.

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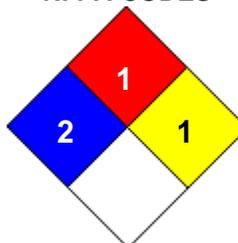


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HMIS RATING

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

NFPA CODES



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

MANUFACTURER DISCLAIMER:

To the best of our knowledge, the information contained herein is accurate. However, MRO Solutions does not assume any liability 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 which exist.