

# SAFETY DATA SHEET



Date Prepared : 3/23/2015  
 MSDS No : MRO Solution 16 - GHS  
 Date Revised : 5/13/2015

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT DESCRIPTION:** MRO Solution 16 - 40118, 40119

### MANUFACTURER

MRO Solutions L.L.C.  
 5645 West Howard Street  
 Niles, IL 60714  
**Service Number:** (847) 588-2480

### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEMTREC:** (800) 424-9300

## 2. HAZARDS IDENTIFICATION

### GHS CLASSIFICATIONS

#### Health:

Skin Irritation, Category 2  
 Eye Irritation, Category 2  
 Target Organ Toxicity (Single exposure) - Respiratory, Category 3

### GHS LABEL ELEMENTS



Exclamation  
 mark

**SIGNAL WORD:** DANGER

### 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.  
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264: Wash skin and hands thoroughly after handling.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P260: Do not breathe dust/fume/gas/mist/vapours/spray.

#### Response:

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

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P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
 P312: Call a POISON CENTER or doctor/physician if you feel unwell.  
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
 P362: Take off contaminated clothing and wash before reuse.

#### Storage:

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

#### Disposal:

7944L5O1: Dispose of in a manner consistent with federal, state, and local regulations.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Aromatic dimethacrylate ester blend	60 - 80	
Maleimide resin - Proprietary	10 - 20	
Hydroxypropyl methacrylate	5 - 10	27813-02-1
Saccharin	0.1 - 1	81-07-2
CUMENE HYDROPEROXIDE	1 - 3	80-15-9

### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

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

**INGESTION:** If swallowed, do not induce vomiting. Keep individual calm. Get medical attention and show container 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.

**SKIN ABSORPTION:** No data available on this product.

**INGESTION:** Low ingestion hazard in normal use.

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

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

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

### 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

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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.

**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:** Contain spill with dike to prevent entry into sewers. Absorb liquid and place in sealed container for disposal.

### ENVIRONMENTAL PRECAUTIONS

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

**LAND 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.

**AIR SPILL:** No data available on this product.

## 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.

**LOADING TEMPERATURE:** No data available on this product.

**LOADING/UNLOADING VISCOSITY:** No data available on this product.

**STORAGE PRESSURE:** No data available on this product.

**SPECIAL SENSITIVITY:** None known.

**ELECTROSTATIC ACCUMULATION HAZARD:** Not Established

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Good general ventilation should be sufficient to control airborne levels.

### 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:** This material does not have established exposure limits. Wear a positive pressure air-supplied respirator in situations where there may be potential for airborne exposure.

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**PROTECTIVE CLOTHING:** Not Applicable.

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Mild odor.

**ODOR THRESHOLD:** Not Established

**APPEARANCE:** Red liquid.

**COLOR:** Red.

**pH:** Not Applicable

**PERCENT VOLATILE:** Not Applicable

**FLASHPOINT AND METHOD:** > 160°C (320°F) Pensky-Martens CC

**AUTOIGNITION TEMPERATURE:** No data available on this product.

**VAPOR PRESSURE:** No data available on this product.

**VAPOR DENSITY:** > 1 (Air=1)

**BOILING POINT:** > 149°C (300°F)

**FREEZING POINT:** No data available on this product.

**MELTING POINT:** No data available on this product.

**POUR POINT:** No data available on this product.

**THERMAL DECOMPOSITION:** No data available on this product.

**SOLUBILITY IN WATER:** Negligible

**EVAPORATION RATE:** No data available on this product.

**SPECIFIC GRAVITY:** 1.11

**VISCOSITY #1:** 4000 to 15000 Centipoise

**(VOC):** 12.000 g/L

**COEFF. OIL/WATER:** No data available on this product.

## 10. STABILITY AND REACTIVITY

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**STABILITY:** Stable.

**POLYMERIZATION:** Will not occur.

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

**POSSIBILITY OF HAZARDOUS REACTIONS:** Hazardous reactions are possible when exposed to 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.

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## 11. TOXICOLOGICAL INFORMATION

### ACUTE

**DERMAL LD<sub>50</sub>:** > 2000 mg/kg

**Notes:** estimated

**ORAL LD<sub>50</sub>:** > 5000 mg/kg

**Notes:** estimated

**EYE EFFECTS:** Moderately irritating to eyes and skin.

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

**CHRONIC:** Repeated exposure may cause skin sensitization.

**SUBCHRONIC:** No data available on this product.

### CARCINOGENICITY

**IARC:** None known.

**NTP:** None known.

**OSHA:** None known.

**IRRITATION:** May cause eye irritation, skin irritation and irritation of respiratory tract.

**CORROSIVITY:** None known.

**SENSITIZATION:** May cause sensitization by skin contact.

**NEUROTOXICITY:** None known.

**GENETIC EFFECTS:** None known.

**REPRODUCTIVE EFFECTS:** None known.

**TARGET ORGANS:** May cause eye irritation, skin irritation and irritation of respiratory tract.

**TERATOGENIC EFFECTS:** No data available on this product.

**MUTAGENICITY:** No data available on this product.

## 12. ECOLOGICAL INFORMATION

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

**ECOTOXICOLOGICAL INFORMATION:** No data available on this product.

**BIOACCUMULATION/ACCUMULATION:** No data available on this product.

## 13. DISPOSAL CONSIDERATIONS

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

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

## 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Not restricted

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**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 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	0.1 - 1	81-07-2
CUMENE HYDROPEROXIDE	1 - 3	80-15-9

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

Chemical Name	Wt.%	CERCLA RQ
Saccharin	0.1 - 1	100
CUMENE HYDROPEROXIDE	1 - 3	10

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
Hydroxypropyl methacrylate	27813-02-1
Saccharin	81-07-2
CUMENE HYDROPEROXIDE	80-15-9

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

CALIFORNIA PROPOSITION 65: WARNING: This product contains a chemical known to the state of California to cause cancer.

**CANADA****WHMIS HAZARD SYMBOL AND CLASSIFICATION**

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**WHMIS CLASS:** D2B - Toxic (Irritant)

## 16. OTHER INFORMATION

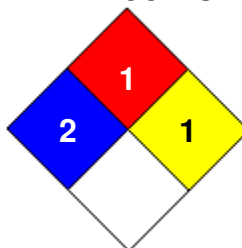
**TITLE:** Regulatory Affairs Manager **Date Prepared:** 3/23/2015

**PREPARED BY:** Mary Robles **Date Revised:** 5/13/2015

### 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.

### MANUFACTURER DISCLAIMER:

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