

# MATERIAL SAFETY DATA SHEET

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Rev. #3

Date: 12/02/05

## Section 1

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

For Chemical Emergency Only:

Telephone for Information: (847) 588-2480

## HAZARD RATING (HMIS)

Health = 2

Equip.

Flammability = 1

safety glasses

Reactivity = 1

gloves

## I. PRODUCT IDENTIFICATION: MRO Solution 15 (40115, 40116, 40117)

## II. COMPOSITION

INGREDIENTS	CONCENTRATION%	C.A.S.#	ACGIH TLV
Methacrylate monomer	50-55	25852-47-5	NE (not established)
Polyethylene glycol ester	35-40	18268-70-7	NE
Silica	2-5	67762-90-7	NE
Saccharin	2-5	81-07-2	NE
Cumene hydroperoxide*	1-3	80-15-9	NE

\*SARA Section 313 Toxic Chemical

## III. CHEMICAL AND PHYSICAL PROPERTIES

Vapor Pressure:	NE	Vapor Density:	Heavier than Air (air=1)
Solubility in water:	insoluble	Specific Gravity:	>1.0
Boiling point:	>392F/200C	Appearance:	purple opaque liquid with cumene odor.
Odor:	mild	pH:	N/A

## IV. FLAMMABILITY AND EXPLOSIVE PROPERTIES

Flashpoint (PMCC.): &gt; 320F/160C

Recommended Extinguishing Agents: Water spray, foam, dry chemical or CO<sub>2</sub>

Hazardous Products Formed by Fire or Thermal Decomposition: Toxic fumes of carbon oxides may evolve upon exposure to heat or open flame.

Unusual Fire or Explosive Hazards: none

Compressed gases: none

Solvents: none

Pressure at 23C: N/A

## V. REACTIVITY DATA

Stability: Stable

Hazardous Polymerization: Will not occur

Hazardous Decomposition Products: None known

Conditions to Avoid: Avoid unintentional mixing of material with free radical initiators, oxidizing agents, reducing agents and metal oxides. Avoid storage temperatures exceeding 100F/38C.

Incompatibility: Active metal ions, heat

## VI. SPILL OR LEAK PROCEDURES

Dike area to prevent spreading. Absorb on vermiculite, sand or other inert absorbing material. Dispose of as a chemical waste in accordance with current local, state, and federal regulations.

## VII. STORAGE AND HANDLING PROCEDURES

Avoid exposure to light, heat, loss of dissolved air, contamination with incompatible materials such as copper or iron dust or material.

Handling: Avoid prolonged skin contact. Store in a cool, dry place, away from light.

Other information: This material contains inhibitors which upon depletion can result in an excessive thermal reaction.

## VIII. SHIPPING REGULATIONS

DOT and IATA Hazard Classification: Unrestricted Articles

Proper DOT Shipping Name: N/A

**IX. HEALTH HAZARDS AND EMERGENCY TREATMENT**

Primary routes of entry: Ingestion and skin absorption.

Symptoms of exposure: eye irritation with excessive tearing, redness and blinking. May cause corneal damage. May cause moderate skin irritation and allergic skin reaction. May cause rash, redness, swelling and blistering (symptoms may be delayed). Vapors generated at elevated temperatures may cause respiratory tract irritation with coughing, mucous production and shortness of breath. Ingestion may cause irritation of gastrointestinal tract and depression of the central nervous system leading to loss of consciousness.

**FIRST AID:**

Eye Irritation: Immediately flush eyes with water for at least 15 minutes. Get medical attention.

Skin Contact: Wash thoroughly with soap and water. Do not use organic solvents on skin.

Inhalation: does not apply

Ingestion: Get medical attention.

**X. PERSONAL PROTECTION**

Respiratory: not normally necessary

Skin: Avoid skin contact, wear gloves and protective clothing if in direct contact with material.

Disposable polyethylene gloves with vinyl latex overgloves will give protection.

Eyes: Wear safety goggles or side shield safety glasses.

Comment: Practice good personal hygiene and wash hands after handling product.

**XI. HEALTH HAZARD DATA**

Hazard Categories: immediate X                      Delayed X                      fire                      pressure                      reactivity

Potential Routes of Entry: skin X                      inhalation                      ingestion X

Symptoms of Overexposure: Possible skin and eye irritation on contact is likely.

**XII. REGULATORY INFORMATION**

TSCA – All components are listed on or exempt from listing - Toxic Substances Control Act Inventory.

SARA TITLE III – 313 Reportable Ingredients: Cumene hydroperoxide.

CANADIAN INVENTORY STATUS – All components are listed on or exempt from listing – Domestic Substances List.

California Proposition 65 – This product contains saccharin. No Proposition 65 hazard warning is necessary if this product is used as reasonably anticipated.

**XIII. OTHER INFORMATION**

NFPA – Health=2, Fire=1, Reactivity=1, Special=does not apply.

HMIS - Health=2, Fire=1, Reactivity=1, Protective Equipment= see Section X – Personal protection.

**XIV. PREPARATION INFORMATION**

Original Issue Date: 3/26/96                      Revision #2: 05/28/02

Current Revision 3: 12/02/05

PREPARED BY: Mary K. Robles

N/A = not applicable

*The data contained herein is based upon information that MRO Solutions L.L.C. believes to be reliable. Users of this product have the responsibility to determine the suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, express or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.*