



MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/16/2012

REVISION NUMBER: 2

DATE PRINTED: 04/16/2012

PREPARED BY:

EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **RCMO1460 MOLYBDATE REAGENT**
PRODUCT CODE: RCMO1460

NFPA/HMIS HAZARD CODES(minimal=0; slight=1; moderate=2; serious=3; severe=4)

Health: 2/2

Fire: 0/0

Reactivity: 0/0

Special/Protective Equipment: Acid/B

NAME OF THE MANUFACTURER: Rochester Midland Corporation
155 Paragon Drive
Rochester, New York 14624
USA

Emergency Phone:
INFOTRAC: 1-800-535-5053
OUTSIDE US: 1-352-323-3500

2. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION: May cause irritation. Vomiting. Diarrhea
SKIN CONTACT: May cause mild skin irritation.
INHALATION: May cause mild respiratory irritation.
EYE CONTACT: May cause irritation and redness.
CHRONIC EFFECTS: None known.
EFFECTS/CARCINOGENICITY: None listed under OSHA, IARC, or NTP.
ROUTES OF ENTRY: Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION CAS#	%	ACGIH TLV	OSHA PELs
Sulfuric acid 7664-93-9	< 5	0.2 mg/m ³	1 mg/m ³
Sodium Molybdate 10102-40-6	1	Not applicable	Not applicable

4. FIRST AID MEASURES

INGESTION: Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person. Get immediate medical attention.

SKIN: Remove contaminated clothing. Wash skin with water, using soap if available. Get medical attention if irritation persists.

INHALATION: Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

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

NOTES TO PHYSICIAN: Treatment based on sound judgment of physician and individual reactions of patient.

5. FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT:	(F): Not determined	(C): Not determined
METHOD:	None	
FLAMMABLE LIMITS IN AIR		
LOWER (%):	No data	
UPPER (%):	No data	
SENSITIVITY TO MECHANICAL IMPACT(Y/N):	NO	
SENSITIVITY TO STATIC DISCHARGE:	Sensitivity to static discharge is not expected.	
SUITABLE EXTINGUISHING MEDIA:	Water fog, carbon dioxide, foam, dry chemical.	
FIRE FIGHTING PROCEDURES:	Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires.	

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS:	Pick up with absorbant material.
LARGE SPILLS:	Dike to contain. Pick up with absorbant material. Put in suitable container for disposal.

PERSONAL PRECAUTIONS:	Not applicable
ENVIRONMENTAL PRECAUTIONS:	Not applicable
METHODS FOR CLEANING UP:	Not applicable

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:	Wash thoroughly after handling. Avoid contact with skin and eyes. Keep from freezing. Store in a cool, dry location away from incompatible materials.
OTHER PRECAUTIONS:	No other spill procedures necessary.
SPECIFIC USE(S):	Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS:	None known.
RESPIRATORY PROTECTION:	None normally required.
PROTECTIVE GLOVES:	Chemical resistant gloves are recommended to minimize skin contact.
EYE PROTECTION:	Safety Glasses. Goggles.
OTHER PERSONAL PROTECTION EQUIPMENT:	Eyewash fountains and safety showers must be easily accessible.
VENTILATION:	General mechanical and/or local exhaust as needed if mist or vapors cause irritation.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Clear, colorless liquid.	
BOILING POINT (F):	Approx. 100° C	(C) Approx. 212° F
VAPOR PRESSURE:	Not determined	
VAPOR DENSITY (AIR=1):	Not determined	
SOLUBILITY IN WATER:	INFINITE	
SPECIFIC GRAVITY:	1.01	
VOC Content (%):	Not determined	
EVAPORATION RATE:	Not determined	
PH:	< 3	

RCMO1460 MOLYBDATE REAGENT

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: Oxides of Sulfur.
INCOMPATIBILITY (MATERIALS TO AVOID): Organic matter. Chlorates. Alkalines. Reducing agents. Nitrates. acetic acid Oxidizing materials. Metals.
CONDITIONS/HAZARDS TO AVOID: None known.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: Not Established
EFFECTS OF CHRONIC EXPOSURE: Not established.
OTHER TOXIC EFFECTS: Not established.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data at this time
CHEMICAL FATE INFORMATION: No data at this time.
MOBILITY: Not applicable.
PERSISTENCE/DEGRADABILITY: Not applicable
BIOACCUMULATIVE POTENTIAL: Not applicable
OTHER ADVERSE EFFECTS: Not applicable

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: Dispose in accordance with Federal, State and Local regulations.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/Receiving documents for up to date shipping information.

15. REGULATORY INFORMATION

PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
Sulfuric acid 7664-93-9	< 5	Listed	Listed	Listed	Not Listed
Sodium Molybdate 10102-40-6	1	Not Listed	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Sulfuric acid 7664-93-9	< 5	1000 lb 454 kg	1000 lb RQ = 1000 lb TPQ	= 1.0 % de minimis concentration acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size
Sodium Molybdate 10102-40-6	1	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Sulfuric acid 7664-93-9	< 5	Listed

The following components of this material are included in the Massachusetts Substance List and are present at or above reportable levels.

RCMO1460 MOLYBDATE REAGENT

PRODUCT COMPOSITION CAS#	%	MARTK:
Sulfuric acid 7664-93-9	< 5	Listed

The following components of this material are included in the New Jersey Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	NJRTK:
Sulfuric acid 7664-93-9	< 5	Listed

The following components of this material are included in the Pennsylvania Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	PARTK:
Sulfuric acid 7664-93-9	< 5	Listed

16. OTHER INFORMATION

This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.

*** END OF MSDS ***