



## MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/16/2012  
DATE PRINTED: 04/16/2012

REVISION NUMBER: 2

### 1. CHEMICAL PRODUCT

PRODUCT NAME: **RCMO1589 Molybdenum Indicator Powder**

PRODUCT CODE: RCMO1589

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

|             |     |                               |        |
|-------------|-----|-------------------------------|--------|
| Health:     | 1/1 | Fire:                         | 0/0    |
| Reactivity: | 0/0 | Special/Protective Equipment: | None/B |

|                           |  |  |
|---------------------------|--|--|
| NAME OF THE MANUFACTURER: | Rochester Midland Corporation<br>155 Paragon Drive<br>Rochester, New York 14624<br>USA | Emergency Phone:<br>INFOTRAC: 1-800-535-5053<br>OUTSIDE US: 1-352-323-3500 |
|---------------------------|--|--|

### 2. HAZARDS IDENTIFICATION

#### EFFECTS FROM ACUTE EXPOSURE:

|                         |  |
|-------------------------|--|
| INGESTION:              | Irritation of the mouth, throat, and stomach.  |
| SKIN CONTACT:           | Causes moderate skin irritation.   |
| INHALATION:             | May irritate the lungs.  |
| EYE CONTACT:            | May irritate eyes.   |
| CHRONIC EFFECTS:        | None known.  |
| EFFECS/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<br>CAS#     | %    | ACGIH TLV      | OSHA PELs      |
|---------------------------------|------|----------------|----------------|
| Potassium chloride<br>7447-40-7 | > 99 | Not applicable | Not applicable |
| s-Diphenylcarbazone<br>538-62-5 | 0.5  | Not applicable | Not applicable |

### 4. FIRST AID MEASURES

|                     |   |
|---------------------|---|
| INGESTION:          | If swallowed, induce vomiting immediately by giving two glasses of water and sticking fingers down throat; never give anything to an unconscious person. Get medical attention. |
| SKIN:               | Remove contaminated clothing. Wash skin with water, using soap if available.  |
| 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: | None.   |

### 5. FIRE AND EXPLOSION HAZARD DATA

# RCMO1589 Molybdenum Indicator Powder

## 5. FIRE AND EXPLOSION HAZARD DATA

|  |   |                     |
|--|---|---------------------|
| FLASH POINT:                           | (F): 53° F  | (C): Not determined |
| METHOD:                                | TCC   |                     |
| FLAMMABLE LIMITS IN AIR                |   |                     |
| LOWER (%):                             | NE  |                     |
| UPPER (%):                             | NE  |                     |
| 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

Keep container closed when not in use. Store in a cool, dry area.

### IN HANDLING AND STORAGE:

Emptied containers may retain hazardous properties. Do not cut, puncture or weld on or near the container. Wash thoroughly after handling.

### OTHER PRECAUTIONS:

No other spill procedures necessary.

### SPECIFIC USE(S):

Not applicable.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### PROTECTIVE EQUIPMENT:



### EXPOSURE CONTROLS:

Exhaust ventilation. Localized ventilation should be used to control dust levels.

### RESPIRATORY PROTECTION:

Use in a well ventilated area. If atmospheric/employee monitoring indicates exposure above the TLV/PEL, use the following respiratory protection: Wear self-contained breathing apparatus.

### PROTECTIVE GLOVES:

Chemical resistant gloves are recommended to minimize skin contact.

### EYE PROTECTION:

Safety Glasses. Goggles.

### OTHER PERSONAL PROTECTION EQUIPMENT:

Wear eye protection and protective clothing.

### VENTILATION:

Local exhaust ventilation recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE AND ODOR:

Orange Powder. Odorless.

### BOILING POINT (F):

NA

(C) Not determined

### VAPOR PRESSURE:

NA

### VAPOR DENSITY (AIR=1):

NA

### SOLUBILITY IN WATER:

Not determined

### SPECIFIC GRAVITY:

NE

### VOC Content (%):

NE

### EVAPORATION RATE:

NA

# RCMO1589 Molybdenum Indicator Powder

## 9. PHYSICAL AND CHEMICAL PROPERTIES

PH: NA

## 10. STABILITY AND REACTIVITY

**STABILITY DATA:** Stable under normal conditions of use and storage.  
**POLYMERIZATION:** Will Not Occur.  
**HAZARDOUS DECOMPOSITION:** Oxides of Carbon. Irritating fumes.  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong oxidants, such as nitric acid, or hypochlorites. Platinum Sodium. bromine pentafluoride  
**CONDITIONS/HAZARDS TO AVOID:** Potassium dioxide Acetyl bromide acetyl chloride  
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<br>CAS#     | %    | TSCA:      | EINECS: | Canada DSL: | CA PROP 65: |
|---------------------------------|------|------------|---------|-------------|-------------|
| Potassium chloride<br>7447-40-7 | > 99 | Listed     | Listed  | Listed      | Not Listed  |
| s-Diphenylcarbazone<br>538-62-5 | 0.5  | Not Listed | Listed  | Not Listed  | Not Listed  |

| PRODUCT COMPOSITION<br>CAS#     | %    | CERCLA:    | SARA 302:  | SARA 313:  |
|---------------------------------|------|------------|------------|------------|
| Potassium chloride<br>7447-40-7 | > 99 | Not Listed | Not Listed | Not Listed |
| s-Diphenylcarbazone<br>538-62-5 | 0.5  | Not Listed | Not Listed | Not Listed |

| PRODUCT COMPOSITION<br>CAS#     | %    | Canada WHMIS: |
|---------------------------------|------|---------------|
| Potassium chloride<br>7447-40-7 | > 99 | Listed        |

## **RCMO1589 Molybdenum Indicator Powder**

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None of the components of this material are included in the Massachusetts Substance List nor are present at or above reportable levels.

None of the components of this material are included in the New Jersey Substance List nor are present at or above reportable levels.

None of the components of this material are included in the Pennsylvania Substance List nor are present at or above reportable levels.

### **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 \*\*\***