



## MATERIAL SAFETY DATA SHEET

REVISION DATE: 10/11/2013

REVISION NUMBER: 1

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### 1. CHEMICAL PRODUCT

PRODUCT NAME: **RCOP5011 PHOSPHONATE INDICATOR**

PRODUCT CODE: RCOP5011

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

Emergency Phone:

INFOTRAC: 1-800-535-5053

OUTSIDE US: 1-352-323-3500

DISTRIBUTED BY: Rochester Midland Corporation  
155 Paragon Drive  
Rochester, NY 14624

### 2. HAZARDS IDENTIFICATION

#### EFFECTS FROM ACUTE EXPOSURE:

**INGESTION:** May cause burns to mucous membranes of mouth, throat, and digestive tract.  
**SKIN CONTACT:** May cause mild skin irritation.  
**INHALATION:** May cause burns.  
**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<br>CAS#     | %   | ACGIH TLV      | OSHA PELs                        |
|---------------------------------|-----|----------------|----------------------------------|
| Pyrocatechol Violet<br>115-41-3 | 0.1 | Not applicable | Not applicable                   |
| Isopropanol<br>67-63-0          | 5   | 200 ppm        | 400 ppm<br>980 mg/m <sup>3</sup> |

### 4. FIRST AID MEASURES

**INGESTION:** Drink one or two glasses of water. Get medical attention. Never give anything by mouth to an unconscious person.

**SKIN:** Flush with water for at least 15 minutes while removing all contaminated clothing and shoes. Get medical attention if irritation persists.

**INHALATION:** If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

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

**NOTES TO PHYSICIAN:** None.

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### 5. FIRE AND EXPLOSION HAZARD DATA

|  |   |
|--|---|
| FLASH POINT:                           | (F): None to boiling (C): None to boiling   |
| 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:          | As appropriate for surrounding fire-product is mostly water and will not burn.  |
| FIRE FIGHTING PROCEDURES:              | Toxic vapors are emitted in a fire condition. 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:      | Wear adequate personal protective equipment, see Section 8, Exposure Controls/Personal Protection. |
| 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 container closed when not in use. Keep from freezing. |
| 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:              | Use an approved NIOSH organic vapor respirator below the TLV. If TLV is exceeded or overexposure is likely, use positive pressure or self contained breathing apparatus. |
| PROTECTIVE GLOVES:                   | Chemical resistant gloves are recommended to minimize skin contact.  |
| EYE PROTECTION:                      | Safety glasses are recommended to minimize eye contact.  |
| OTHER PERSONAL PROTECTION EQUIPMENT: | It is the responsibility of the end user of this product to determine level of PPE required that is consistent with safe use of this product.                            |
| VENTILATION:                         | Ordinary ventilation.  |

### 9. PHYSICAL AND CHEMICAL PROPERTIES

|                        |                               |          |
|------------------------|-------------------------------|----------|
| APPEARANCE AND ODOR:   | Red-orange. Liquid. Odorless. |          |
| BOILING POINT (F):     | 212°                          | (C) 100° |
| VAPOR PRESSURE:        | Not determined                |          |
| VAPOR DENSITY (AIR=1): | Not determined                |          |
| SOLUBILITY IN WATER:   | Not determined                |          |
| SPECIFIC GRAVITY:      | 1                             |          |

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

VOC Content (%): Not determined  
EVAPORATION RATE: Not determined  
PH: Not determined

### 10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE  
POLYMERIZATION: Will Not Occur.  
HAZARDOUS DECOMPOSITION: Carbon Monoxide. Carbon Dioxide. Oxides of Sulfur. Irritating fumes. Toxic fumes.  
INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing materials.  
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<br>CAS#     | %   | TSCA:  | EINECS: | Canada DSL: | CA PROP 65: |
|---------------------------------|-----|--------|---------|-------------|-------------|
| Pyrocatechol Violet<br>115-41-3 | 0.1 | Listed | Listed  | Listed      | Not Listed  |
| Isopropanol<br>67-63-0          | 5   | Listed | Listed  | Listed      | Not Listed  |

| PRODUCT COMPOSITION<br>CAS#     | %   | CERCLA:    | SARA 302:  | SARA 313:  |
|---------------------------------|-----|------------|------------|------------|
| Pyrocatechol Violet<br>115-41-3 | 0.1 | Not Listed | Not Listed | Not Listed |
| Isopropanol<br>67-63-0          | 5   | Not Listed | Not Listed | Not Listed |

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

## RCOP5011 PHOSPHONATE INDICATOR

| PRODUCT COMPOSITION<br>CAS# | % | MARTK: |
|-----------------------------|---|--------|
| Isopropanol<br>67-63-0      | 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<br>CAS# | % | NJRTK: |
|-----------------------------|---|--------|
| Isopropanol<br>67-63-0      | 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<br>CAS# | % | PARTK: |
|-----------------------------|---|--------|
| Isopropanol<br>67-63-0      | 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 \*\*\*