



## MATERIAL SAFETY DATA SHEET

REVISION DATE: 10/28/2008 REVISION NUMBER: 2  
DATE PRINTED: 11/11/2008 PREPARED BY: Walter Friedlander

### 1. CHEMICAL PRODUCT

PRODUCT NAME: **RF-3002, BCG-MR Indicator**  
PRODUCT CODE: 10102

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

Health: 1/1 Fire: 3/3  
Reactivity: 0/0 Special/Protective Equipment: None/B

NAME OF THE MANUFACTURER: Rochester Midland Corporation  
333 Hollenbeck Street  
Rochester, New York 14621  
Information: 585-336-2200  
Emergency Phone:  
INFOTRAC: 1-800-535-5053  
OUTSIDE US: 1-352-323-3500

### 2. HAZARDS IDENTIFICATION

#### EFFECTS FROM ACUTE EXPOSURE:

INGESTION: May cause headache, dizziness, nausea, vomiting, gastrointestinal irritation and central nervous system depression.  
SKIN CONTACT: Causes severe burns.  
INHALATION: Causes moderate respiratory irritation.  
EYE CONTACT: Causes eye burns.  
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
Bromocresol Green 76-60-8	0.06	NA	NA
Methyl Red 493-52-7	0.04	NA	NA
Isopropanol 67-63-0	50	200 ppm	400 ppm 980 mg/m <sup>3</sup>

### 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

**5. FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT (F):** 53 deg F for 100% IPA **(C):** NA  
**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:**

Dry chemical. Carbon dioxide. Alcohol foam.

**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:** NA

**ENVIRONMENTAL PRECAUTIONS:** NA

**METHODS FOR CLEANING UP:** NA

**7. HANDLING AND STORAGE**

**PRECAUTIONS TO BE TAKEN  
IN HANDLING AND STORAGE:**

Keep container closed when not in use. Store in a cool, dry location away from incompatible materials. Wash thoroughly after handling. Emptied containers may retain hazardous properties. Do not cut, puncture or weld on or near the container.

**OTHER PRECAUTIONS:**

No other spill procedures necessary.

**SPECIFIC USE(S):**

NA

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****PROTECTIVE EQUIPMENT:**

**EXPOSURE CONTROLS:**

Exhaust ventilation.

**RESPIRATORY PROTECTION:**

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

**PROTECTIVE GLOVES:**

Rubber gloves.

**EYE PROTECTION:**

Goggles.

**OTHER PERSONAL PROTECTION**

None known.

**EQUIPMENT:**

**VENTILATION:**

Use local exhaust ventilation as needed if spill occur.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE AND ODOR:**

Green liquid. Alcohol scent.

**BOILING POINT (F):**

NA

**(C)** NA

**VAPOR PRESSURE:**

NA

**VAPOR DENSITY (AIR=1):**

Heavier than air

**SOLUBILITY IN WATER:**

NA

**SPECIFIC GRAVITY:**

0.93

**VOC Content (%):**

NE

**VOV Content (%):**

NE

**EVAPORATION RATE:**

NE

**PH:**

NE

**10. STABILITY AND REACTIVITY**

**STABILITY DATA:** STABLE  
**POLYMERIZATION:** Will Not Occur.  
**HAZARDOUS DECOMPOSITION:** Oxides of Carbon. Hydrochloric Acid.  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Acids. Avoid halogens. Oxidizing materials.  
**CONDITIONS/HAZARDS TO AVOID:** Keep away from heat, sparks and flame.

**11. TOXICOLOGICAL INFORMATION**

**ACUTE TOXICITY:** NE  
**EFFECTS OF CHRONIC EXPOSURE:** NE  
**OTHER TOXIC EFFECTS:** NE

**12. ECOLOGICAL INFORMATION**

**ECOTOXICOLOGICAL INFORMATION:** No data at this time  
**CHEMICAL FATE INFORMATION:** No data at this time.  
**MOBILITY:** NA  
**PERSISTENCE/DEGRADABILITY:** NA  
**BIOACCUMULATIVE POTENTIAL:** NA  
**OTHER ADVERSE EFFECTS:** NA

**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:
Bromocresol Green 76-60-8	0.06	Listed	Listed	Listed	Not Listed
Methyl Red 493-52-7	0.04	Listed	Listed	Listed	Not Listed
Isopropanol 67-63-0	50	Puesto en Lista	Puesto en Lista	Puesto en Lista	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Bromocresol Green 76-60-8	0.06	Not Listed	Not Listed	Not Listed
Methyl Red 493-52-7	0.04	Not Listed	Not Listed	Not Listed
Isopropanol 67-63-0	50	Not Listed	Not Listed	Puesto en Lista

## RF-3002, BCG-MR Indicator

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Bromocresol Green 76-60-8	0.06	Listed
Methyl Red 493-52-7	0.04	Listed
Isopropanol 67-63-0	50	Puesto en Lista

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

PRODUCT COMPOSITION CAS#	%	MARTK:
Isopropanol 67-63-0	50	Puesto en Lista

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:
Isopropanol 67-63-0	50	Puesto en Lista

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:
Isopropanol 67-63-0	50	Puesto en Lista

## 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 \*\*\*