

MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/16/2012 REVISION NUMBER:

DATE PRINTED: 04/16/2012 PREPARED BY: FH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: RC-7003 Phosphonate Titrant

PRODUCT CODE: RC7003

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 Rochester Midland Corporation

MANUFACTURER: 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: Harmful if swallowed. **SKIN CONTACT:** Causes severe burns.

INHALATION: Possible damage to mucous membranes of nose and throat.

EYE CONTACT: Causes severe 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	%	ACGIH TLV	OSHA PELs
CAS#			
Bismuth Nitrate 10035-06-0	0.3	Not applicable	Not applicable
Potassium Nitrate 7757-79-1	10	Not applicable	Not applicable
Nitric acid 7697-37-2	2	2 ppm	2 ppm 5 mg/m ³

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.

SKIN: Remove contaminated clothing. Wash skin with water, using soap if available.

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. Get immediate medical attention.

NOTES TO PHYSICIAN: None.

FIRE AND EXPLOSION HAZARD DATA

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5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: (F): NONFLAMMABLE (C):

Not determined

METHOD: TCC

FLAMMABLE LIMITS IN AIR

LOWER (%):
UPPER (%):
NA

SENSITIVITY TO MECHANICAL IMPACT(Y/N): NO

SENSITIVITY TO STATIC DISCHARGE: Sensitivity to static discharge is not expected.

SUITABLE EXTINGUISHING MEDIA: 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. Store in a well ventilated area. Store in a cool, dry location away from

IN HANDLING AND STORAGE: 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): Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS: Use in a well ventilated area.

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: Rubber gloves.
EYE PROTECTION: Goggles.
OTHER PERSONAL PROTECTION EQUIPMENT: Rubber gloves.
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VENTILATION: Use only in well ventilated area.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear, colorless liquid.

BOILING POINT (F): NA (C) Not determined

VAPOR PRESSURE: NA
VAPOR DENSITY (AIR=1): NA
SOLUBILITY IN WATER: Miscible
SPECIFIC GRAVITY: 1.00
VOC Content (%): NA
EVAPORATION RATE: NA

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9. PHYSICAL AND CHEMICAL PROPERTIES

PH: NA

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: Toxic fumes.

INCOMPATIBILITY (MATERIALS TO Bases, such as caustic soda, bleach, ammonia, etc. Reducing agents. Oxidizing materials.

AVOID):

CONDITIONS/HAZARDS TO AVOID: High temperatures may cause decomposition.

11. TOXICOLOGICAL INFORMATION

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

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL No data at this time

INFORMATION:

CHEMICAL FATE INFORMATION:
MOBILITY:
PERSISTENCE/DEGRADABILITY:
BIOACCUMULATIVE POTENTIAL:
OTHER ADVERSE EFFECTS:
No data at this time.
Not applicable.
Not applicable
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:
Bismuth Nitrate 10035-06-0	0.3	Not Listed	Listed	Not Listed	Not Listed
Potassium Nitrate 7757-79-1	10	Not Listed	Listed	Not Listed	Not Listed
Nitric acid 7697-37-2	2	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Bismuth Nitrate 10035-06-0	0.3	Not Listed	Not Listed	Not Listed
Potassium Nitrate 7757-79-1	10	Not Listed	Not Listed	Not Listed
Nitric acid 7697-37-2	2	1000 lb 454 ka	1000 lb RQ = 1000 lb TPQ	= 1.0 % de minimis concentration

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PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Bismuth Nitrate 10035-06-0	0.3	Listed
Nitric acid 7697-37-2	2	Listed

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:
Potassium Nitrate 7757-79-1	10	Listed
Nitric acid 7697-37-2	2	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:
Bismuth Nitrate 10035-06-0	0.3	Listed
Potassium Nitrate	10	Listed
7757-79-1		
Nitric acid 7697-37-2	2	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:
Potassium Nitrate	10	Listed
7757-79-1		
Nitric acid	2	Listed
7697-37-2		

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 ***