MATERIAL SAFETY DATA SHEET

REVISION DATE: 10/28/2008 **REVISION NUMBER:** 2
DATE PRINTED: 11/11/2008 **PREPARED BY:** EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **PHOS-TEC 780 RS, Rinse/Seal for Phosphate Coating**
PRODUCT CODE: 515993

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/C

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: Severe burns to mucous membranes of mouth, throat and digestive tract. Abdominal pain. Nausea. Vomiting. Can produce severe systematic illness and death.
SKIN CONTACT: Causes severe burns. Prolonged contact can cause skin damage.
INHALATION: Can cause damage to mucous membranes of nose, throat, respiratory tract and lung tissue depending on severity of exposure.
EYE CONTACT: Corrosive to eye tissue and may cause severe damage and blindness.
CHRONIC EFFECTS: Dermatitis. Respiratory
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
Phosphoric acid 7664-38-2	40	1 mg/m^3	1 mg/m^3
Sodium molybdate 7631-95-0	5	0.5 mg/m^3 10 mg/m^3 3 mg/m^3	15 mg/m^3 5 mg/m^3
Nitric acid 7697-37-2	5	2 ppm	2 ppm 5 mg/m^3
ZINC OXIDE 1314-13-2	15	2 mg/m^3	15 mg/m^3 5 mg/m^3

4. FIRST AID MEASURES

INGESTION: DO NOT INDUCE VOMITING. Drink promptly a large quantity of water, egg white, or gelatin solution. Get immediate medical attention. Never give anything by mouth to an unconcious person.
SKIN: Wash with soap and water. Remove contaminated clothing and discard. Get medical attention if irritation persists.
INHALATION: If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Aid in breathing, if necessary, and get immediate medical attention.

4. FIRST AID MEASURES

EYES: In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

NOTES TO PHYSICIAN: None.

5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (F): None **(C):** NA
METHOD: TCC

FLAMMABLE LIMITS IN AIR

- **LOWER (%):** ND
- **UPPER (%):** ND

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: Evacuate area and fight fire from a safe distance. Wear self-contained breathing equipment and rubber protective clothing.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS: Reclaim as much as possible. Pick up with absorbant material.
LARGE SPILLS: Reclaim as much as possible. Shovel or sweep up residue and place in suitable containers. Keep out of drains, sewers, streams, or other bodies of water.

PERSONAL PRECAUTIONS: NA
ENVIRONMENTAL PRECAUTIONS: NA
METHODS FOR CLEANING UP: NA

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid contact with skin and eyes. Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. Wash thoroughly after handling. Store in a cool, dry area. Keep container closed when not in use.

OTHER PRECAUTIONS: Empty containers may retain product residue, follow MSDS/label precautions even after container is emptied.

SPECIFIC USE(S): NA

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:

EXPOSURE CONTROLS: None known.
RESPIRATORY PROTECTION: Use NIOSH approved organic vapor respirator as needed if spray mist or vapors exceed PEL or TLV.
PROTECTIVE GLOVES: Chemical resistant gloves. Nitrile (NBR). Neoprene. Rubber gloves.
EYE PROTECTION: Goggles.
OTHER PERSONAL PROTECTION EQUIPMENT: Rubber apron. Appropriate protective clothing as needed to prevent skin contact.
VENTILATION: Adequate ventilation should be provided to keep dust concentrations below acceptable exposure limits. Discharge from the ventilation system should comply with the applicable air pollutions control regulations. Eliminate ignition sources.

9. PHYSICAL AND CHEMICAL PROPERTIES

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Clear. Light green, Amber liquid.	
BOILING POINT (F):	>212 ° F	**(C)** NA
VAPOR PRESSURE:	<1 @ 20°C (63°F)	
VAPOR DENSITY (AIR=1):	> 1.00	
SOLUBILITY IN WATER:	Complete	
SPECIFIC GRAVITY:	1.325 - 1.345 (1.335 Nominal)	
VOC Content (%):	0	
VOV Content (%):	NE	
EVAPORATION RATE:	< 1	
PH:	< 3 (1% Aqueous Solution)	

10. STABILITY AND REACTIVITY

STABILITY DATA:	STABLE
POLYMERIZATION:	Will Not Occur.
HAZARDOUS DECOMPOSITION:	If evaporated to dryness, as in a fire, material may burn, releasing: Oxides of Carbon. Oxides of Silicon. Oxides of Nitrogen.
INCOMPATIBILITY (MATERIALS TO AVOID):	Oxidizing materials. Reducing agents.
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

15. REGULATORY INFORMATION

PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
Phosphoric acid 7664-38-2	40	Listed	Listed	Listed	Not Listed
Sodium molybdate 7631-95-0	5	Listed	Listed Listed	Listed	Not Listed
Nitric acid 7697-37-2	5	Listed	Listed	Listed	Not Listed
ZINC OXIDE 1314-13-2	15	Listed	Listed Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Phosphoric acid 7664-38-2	40	2270 kg 5000 lb	Not Listed	Not Listed
Sodium molybdate 7631-95-0	5	Not Listed	Not Listed	Not Listed
Nitric acid 7697-37-2	5	1000 lb 454 kg	1000 lb RQ Listed	Listed
ZINC OXIDE 1314-13-2	15	1000 lb 454 kg	Not Listed	Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Phosphoric acid 7664-38-2	40	Listed
Sodium molybdate 7631-95-0	5	Listed
Nitric acid 7697-37-2	5	Listed
ZINC OXIDE 1314-13-2	15	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:
Phosphoric acid 7664-38-2	40	Listed
Sodium molybdate 7631-95-0	5	Listed
Nitric acid 7697-37-2	5	Listed
ZINC OXIDE 1314-13-2	15	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:
Phosphoric acid 7664-38-2	40	Listed
Sodium molybdate 7631-95-0	5	Listed
Nitric acid 7697-37-2	5	Listed
ZINC OXIDE 1314-13-2	15	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:
Phosphoric acid 7664-38-2	40	Listed
Sodium molybdate 7631-95-0	5	Listed
Nitric acid 7697-37-2	5	Listed
ZINC OXIDE 1314-13-2	15	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 *****