



## MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/16/2012  
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PREPARED BY: EH&S DEPARTMENT

### 1. CHEMICAL PRODUCT

PRODUCT NAME: **SUPER LIME-SOL, Liquid Phosphoric Acid Foam Cleaner**

PRODUCT CODE: 105680

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

Health: 3/3 Fire: 0/0  
Reactivity: 1/1 Special/Protective Equipment: Acid/C

NAME OF THE MANUFACTURER: Rochester Midland Corporation  
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:** Severe burns to mucous membranes of mouth, throat and digestive tract. Causes burns of the mouth, throat and stomach. May be fatal if swallowed.  
**SKIN CONTACT:** Causes moderate skin irritation. Prolonged contact causes severe burns which may not be immediately painful or visible.  
**INHALATION:** Mists are irritating to mucous membranes, respiratory tract, and lung tissue. May cause damage to nasal and respiratory passages.  
**EYE CONTACT:** Causes severe eye irritation. Corrosive to eye tissue and may cause severe damage and blindness.  
**CHRONIC EFFECTS:** Dermatitis. Possible respiratory damage from inhalation of dust or mist.  
**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	50	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>

### 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:** 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 from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.  
**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

<b>FLASH POINT:</b>	(F): None (C): None
<b>METHOD:</b>	None
<b>FLAMMABLE LIMITS IN AIR</b>	
<b>LOWER (%):</b>	No data
<b>UPPER (%):</b>	No data
<b>SENSITIVITY TO MECHANICAL IMPACT(Y/N):</b>	NO
<b>SENSITIVITY TO STATIC DISCHARGE:</b>	Sensitivity to static discharge is not expected.
<b>SUITABLE EXTINGUISHING MEDIA:</b>	Product will not burn.
<b>FIRE FIGHTING PROCEDURES:</b>	Corrosive material. Avoid exposure to mist and splashes. Cool exposed containers with water spray after extinguishing fire. Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires.

## 6. ACCIDENTAL RELEASE MEASURES

<b>SPILL PROCEDURES:</b>	
<b>SMALL SPILLS:</b>	Pick up with absorbant material. Flush residue with water.
<b>LARGE SPILLS:</b>	Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Flush remainder with water.
<b>PERSONAL PRECAUTIONS:</b>	Not applicable
<b>ENVIRONMENTAL PRECAUTIONS:</b>	Not applicable
<b>METHODS FOR CLEANING UP:</b>	Not applicable

## 7. HANDLING AND STORAGE

<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:</b>	<b>DANGER:</b> Concentrated acidic liquid. Avoid contact with eyes, skin and clothing. Store only in original container and keep closed. Store in a cool, dry area. Use in a well ventilated area to prevent irritation by vapors. Mix only with water. Do not reuse container. Follow label directions carefully.
<b>OTHER PRECAUTIONS:</b>	Keep out of reach of children.
<b>SPECIFIC USE(S):</b>	Not applicable.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### PROTECTIVE EQUIPMENT:



<b>EXPOSURE CONTROLS:</b>	Showers. Eyewash stations.
<b>RESPIRATORY PROTECTION:</b>	None normally required. Use approved NIOSH respiratory protection if TLV/PEL exceeded or if over exposure is likely.
<b>PROTECTIVE GLOVES:</b>	Rubber or plastic gloves recommended to minimize skin contact.
<b>EYE PROTECTION:</b>	Goggles. Face shield.
<b>OTHER PERSONAL PROTECTION EQUIPMENT:</b>	Rubber boots. Appropriate protective clothing as needed to prevent skin contact.
<b>VENTILATION:</b>	None required. General mechanical and/or local exhaust as needed if mist or vapors cause irritation.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE AND ODOR:</b>	Clear red. Odorless.	
<b>BOILING POINT (F):</b>	245° F approx.	(C) 118.3° C approx.
<b>VAPOR PRESSURE:</b>	Not determined	

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

VAPOR DENSITY (AIR=1): Not determined  
SOLUBILITY IN WATER: Not determined  
SPECIFIC GRAVITY: 1.36 - 1.38  
VOC Content (%): Not determined  
EVAPORATION RATE: Less than water  
PH: 0

## 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: Soot. Smoke. Carbon Monoxide. Oxides of Phosphorus.  
INCOMPATIBILITY (MATERIALS TO AVOID): Contact with basic agents. Chlorine containing materials. Avoid contact with aluminum, zinc, other soft metals or galvanized metals.  
CONDITIONS/HAZARDS TO AVOID: None.

## 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 CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
Phosphoric acid 7664-38-2	50	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Phosphoric acid 7664-38-2	50	2270 kg 5000 lb	Not Listed	Not Listed

## SUPER LIME-SOL, Liquid Phosphoric Acid Foam Cleaner

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Phosphoric acid 7664-38-2	50	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	50	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	50	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	50	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 \*\*\*