

R625-18



## MATERIAL SAFETY DATA SHEET

REVISION DATE: 10/28/2008  
DATE PRINTED: 11/11/2008

REVISION NUMBER: 6  
PREPARED BY: EH&S DEPARTMENT

### 1. CHEMICAL PRODUCT

PRODUCT NAME: **LIME-SOL, Liquid Phosphoric Acid Foam Cleaner**  
PRODUCT CODE: 102800

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  
333 Hollenback 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.  
**SKIN CONTACT:** Causes moderate skin irritation. Prolonged contact causes severe burns which may not be immediately painful or visible.  
**INHALATION:** Inhalation of spray mist may be irritating. Possible damage to mucous membranes of nose and throat.  
**EYE CONTACT:** Causes severe eye irritation. May Cause Eye Burns. May cause permanent eye damage. May cause 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	35	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 or burns develop.  
**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:** 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

## LIME-SOL, Liquid Phosphoric Acid Foam Cleaner

### 5. FIRE AND EXPLOSION HAZARD DATA

METHOD: None

#### FLAMMABLE LIMITS IN AIR

- LOWER (%): NA  
- UPPER (%): NA

SENSITIVITY TO MECHANICAL IMPACT(Y/N):

SENSITIVITY TO STATIC DISCHARGE:

SUITABLE EXTINGUISHING MEDIA:

FIRE FIGHTING PROCEDURES:

NO

Sensitivity to static discharge is not expected.

Product will not burn.

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

#### SPILL PROCEDURES:

SMALL SPILLS:

Pick up with absorbant material. Flush residue with water.

LARGE SPILLS:

Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Flush remainder with 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 eyes, skin and clothing. Do not breathe mist or vapors. Store in a well ventilated area. Store only in original container and keep closed. Store in a cool, dry area. Do not reuse container. Mix only with water. Follow label directions carefully. DANGER: Concentrated acidic liquid.

OTHER PRECAUTIONS:

Keep out of reach of children.

SPECIFIC USE(S):

NA

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS:

Showers. Eyewash stations.

RESPIRATORY PROTECTION:

Use NIOSH approved acid respirator with dust/mist filter if spray mist in air exceeds exposure limits. None normally required.

PROTECTIVE GLOVES:

Rubber or plastic gloves recommended to minimize skin contact.

EYE PROTECTION:

Goggles. Face shield.

OTHER PERSONAL PROTECTION  
EQUIPMENT:

Appropriate protective clothing as needed to prevent skin contact. Liquid may penetrate leather shoes and cause delayed burns. Rubber boots. Eyewash fountains and safety showers must be easily accessible.

VENTILATION:

Corrosion resistant equipment recommended. When cleaning aluminum or galvanized surfaces, use explosion proof equipment to remove any hydrogen gas. General mechanical and/or local exhaust as needed to meet exposure limits if mist in air. None required.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:

Clear red. Odorless.

BOILING POINT (F):

230 F approx.

(C) NA

VAPOR PRESSURE:

As water

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

VAPOR DENSITY (AIR=1): As water  
SOLUBILITY IN WATER: NA  
SPECIFIC GRAVITY: 1.22  
VOC Content (%): NE  
VOV Content (%): NE  
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): Do not mix with: Alkalines. Chlorine containing materials. Peroxides. Reducing agents. Avoid contact with aluminum, zinc, other soft metals or galvanized metals. Reaction will generate hydrogen gas. This gas is flammable and/or explosive in presence of ignition source.  
CONDITIONS/HAZARDS TO AVOID: None.

### 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:
Phosphoric acid 7664-38-2	35	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Phosphoric acid 7664-38-2	35	2270 kg 5000 lb	Not Listed	Not Listed

## LIME-SOL, Liquid Phosphoric Acid Foam Cleaner

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Phosphoric acid 7664-38-2	35	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	35	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	35	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	35	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 \*\*\*