

38163

Pg 1



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Information: 585-336-2200

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MATERIAL SAFETY DATA SHEET

REVISION DATE: 06/08/2004
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REVISION NUMBER: 4
PREPARED BY: EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **SUPER LIME-SOL, Liquid Phosphoric Acid Foam Cleaner**
MSDS FORM NUMBER: 5072

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

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: | 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. |

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3. COMPOSITION/INFORMATION ON INGREDIENTS

| PRODUCT COMPOSITION CAS # | % | ACGIH TLV | OSHA PELs |
|------------------------------|----|---------------------|---------------------|
| Phosphoric acid 7664-38-2 | 56 | 1 mg/m ³ | 1 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: 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

| | | | | | |
|---|------|-------------|----|----------------|---|
| FLASH POINT (F): | None | (C): | NA | METHOD: | None |
| FLAMMABLE LIMITS IN AIR - LOWER (%): | | | | | NA |
| FLAMMABLE LIMITS IN AIR - UPPER (%): | | | | | NA |
| SENSITIVITY TO MECHANICAL IMPACT(Y/N): | | | | | NO |
| SENSITIVITY TO STATIC DISCHARGE: | | | | | Sensitivity to static discharge is not expected. |
| EXTINGUISHING MEDIA: | | | | | Product will not burn. |
| FIRE FIGHTING PROCEDURES: | | | | | 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. |

7. HANDLING AND STORAGE

| | |
|---|--|
| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: | DANGER: 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. |
| OTHER PRECAUTIONS: | Keep out of reach of children. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



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

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-------------------------------|---------------------------|
| APPEARANCE AND ODOR: | Clear red. Odorless. |
| BOILING POINT (F): | 245 approx. (C) NA |
| VAPOR PRESSURE: | As water |
| VAPOR DENSITY (AIR=1): | As water |
| SOLUBILITY IN WATER: | NA |
| SPECIFIC GRAVITY: | 1.370 |
| VOC Content (%): | NE |

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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): 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: 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.

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 | 56 | Listed | Listed | Listed | Not Listed |

| PRODUCT COMPOSITION CAS # | % | CERCLA: | SARA 302: | SARA 313: |
|------------------------------|----|--------------------|------------|------------|
| Phosphoric acid 7664-38-2 | 56 | 2270 kg 5000 lb | Not Listed | Not Listed |

| PRODUCT COMPOSITION CAS # | % | Canada WHMIS: |
|------------------------------|----|---------------|
| Phosphoric acid 7664-38-2 | 56 | E |

SUPER LIME-SOL, Liquid Phosphoric Acid Foam Cleaner

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 | 56 | 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 | 56 | 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 | 56 | Listed |

16. OTHER INFORMATION

Health and safety information presented on this form is generally applicable at recommended dilutions, varying only in degree. 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 *****