SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

Griffin Bros. Inc.
MANUFACTURER: P.O. Box 7719
Salem, OR 97303
INFORMATION PHONE: (800) 456-4743
For Medical and Chemical Emergencies CHEMTREC: 1-800-424-9300
PRODUCT NAME: SUB-LIME
PRODUCT NUMBER: G-186
DATE PREPARED: 07/12/2001
LAST REVISION: 05/14/2015

2. HAZARDOUS IDENTIFICATION:

EMERGENCY OVERVIEW: CORROSIVE!
GHS CLASSIFICATION: Corrosive to Metals (Category 1) Skin: (Category 1B) Eyes: (Category 1)

GHS Label elements, including precautionary statements

SIGNAL WORD: Danger
PICTOGRAM:

HAZARD STATEMENT(S):
H290: May be corrosive to metals
H314: Causes severe skin burns and eye damage

PRECAUTIONARY STATEMENT(S):
P264: Wash skin thoroughly after using.
P280: Wear protective gloves/ protective clothing/ eye protection/ face protection
P301+P330+P331 IF SWALLOWED: Rinse Mouth. Do Not induce vomiting.
P303+P361+P353 IF ON SKIN (or Hair): Remove/ take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor/ physician.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>Range Wt</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHOSPHORIC ACID</td>
<td>7664-38-2</td>
<td>12 – 16 %</td>
</tr>
<tr>
<td>HYDROXYACETIC ACID</td>
<td>79-14-1</td>
<td>3 – 7%</td>
</tr>
</tbody>
</table>

Remainder of ingredients is proprietary information & water

4. FIRST AID MEASURES:

GENERAL ADVICE: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

EYE CONTACT: Immediately flush eyes with water for at least 15 minutes. Hold eyelids open while flushing the eyes.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Get medical attention immediately.

INGESTION: If swallowed, do NOT induce vomiting. Give victim lots of water or milk. Get medical attention immediately.

Never give anything by mouth to an unconscious or convulsing person.

SKIN CONTACT: Wash with soap and water. Change contaminated clothing. Get medical attention if irritation develops or persists.

AGGRAVATED MEDICAL CONDITIONS: Pre-existing eye, skin or respiratory conditions.

SUPPLEMENTAL HEALTH INFORMATION: The effects of long-term, low-level exposure to this product have not been determined. Safe handling of this material on a long-term basis should emphasize the avoidance of all effects from repetitive acute exposures.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA: Use water spray. Alcohol-resistant foam, dry chemical or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective clothing and a NIOSH-approved self-contained breathing apparatus with full face piece operated in a pressure positive mode.

UNUSUAL FIRE AND EXPLOSION PROCEDURES: None known.

COMBUSTION PRODUCTS: None known.

6. ACCIDENTAL RELEASE MEASURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Do not walk through any spills without wearing proper safety attire. High risk of slipping due to leakage/spillage of product. Small spills: Mop up, wipe up or soak up immediately. Large spills: Evacuate area. Contain liquid, transfer to closed poly containers. Or soak up with inert material and shovel into poly drums for disposal.

7. HANDLING AND STORAGE:

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Protect from freezing. Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet. Wear personal protection as required per safety program. Follow all SDS/label precautions even after container is emptied because it may retain product residues

OTHER PRECAUTIONS: For industrial use only. Keep away from children. Keep containers closed while not in use. Personnel should be thoroughly trained in safety.

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8. EXPOSURE CONTROL/PERSONAL PROTECTION:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TWA</td>
<td>STEL</td>
</tr>
<tr>
<td>PHOSPHORIC ACID</td>
<td>1mg/M3</td>
<td>300ppm</td>
</tr>
<tr>
<td>HYDROXYACETIC ACID</td>
<td>25mg/m3</td>
<td>25mg/m3</td>
</tr>
</tbody>
</table>

procedures before using this product.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: Wear a NIOSH/MSHA approved respirator appropriate for vapor concentration at point of use.

PROTECTIVE GLOVES: Rubber or other impervious material with gauntlets.

VENTILATION: Local exhaust sufficient to keep exposure below TLV.

WORK / HYGENIC PRACTICES: Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet.

ENGINEERING CONTROLS: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

EYE PROTECTION: Use chemical safety goggles and/or full face shield where splashing is possible. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work areas.

EXPOSURE GUIDELINES: N/A

OTHER PROTECTIVE EQUIP: Boots, apron, lab coat or coveralls of impervious material, safety shower, eyewash.

9. PHYSICAL AND CHEMICAL PROPERTIES:

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

| a) Appearance: | Translucent White Liquid |
| b) Odor: | Cherry Odor |
| d) pH: | 0 - 1.0 |
| e) Melting point/freezing point: | No data available |
| f) Initial boiling point and boiling range: | 220°F |
| g) Flash point: | n/a |
| h) Evaporation rate: | No data available |
| j) Upper/lower flammability or explosive limits: UEL: | n/a |
| k) Vapor pressure (mm/hg): | 4mm/hg |
| l) Vapor density (Air = 1): | No data available |
| m) Relative density (Specific Gravity): | 1.1 |
| n) Water solubility: | 100% Complete |
| p) Auto-ignition temperature: | n/a |
| q) Pounds Per Gallon: | 9.17 |
| r) Viscosity: | n/a |
| s) Upper/lower flammability or explosive limits: LEL: | n/a |
| t) Upper/lower flammability or explosive limits: | OTHER: No other data is available for this product. |

10. STABILITY AND REACTIVITY:

STABLE: Stable

INCOMPATIBILITY: Strong Basic and Strong Oxidizing Compounds, Common metals.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Will Not Occur

HAZARDOUS POLYMERIZATION: Will Not Occur

CONDITIONS TO AVOID: None

11. TOXICOLOGICAL INFORMATION:

None of the components of this product are listed as carcinogens. No other data available.

12. ECOLOGICAL INFORMATION: N/A

13. DISPOSAL CONSIDERATIONS: Dilute with large amounts of water and dispose to municipal or industrial waste treatment facility in accordance with Local, State and Federal Regulations.

14. TRANSPORT INFORMATION:

<table>
<thead>
<tr>
<th>Regulation</th>
<th>UN No.</th>
<th>Proper Shipping Name</th>
<th>Transport Hazard Class(es)</th>
<th>Packing Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>US DOT</td>
<td>3264</td>
<td>Corrosive Liquids, Acidic, Inorganic, n.o.s. (Phosphoric Acid)</td>
<td>8</td>
<td>III</td>
</tr>
</tbody>
</table>

GUIDE NUMBER: 154

15. REGULATORY INFORMATION: N/A

16. OTHER INFORMATION:

HMIS INFORMATION: HEALTH: 2 FLAMMABILITY: 0 PHYSICAL HAZARD: 0 PROTECTIVE: B

NFPA INFORMATION: TOXICITY: 2 FIRE: 0 REACTIVITY: 0 SPECIAL: -

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