**MATERIAL SAFETY DATA SHEET**

Texas Correctional Industry  
A division of the  
Texas Department of Criminal Justice

**NFPA HAZARD RATING**

- **4-** SEVERE  
- **3-** SERIOUS  
- **2-** MODERATE  
- **1-** SLIGHT  
- **0-** INsignificant

**Date Issued:** November 2007  
**Supersedes:** September 2007

**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** MILKSTONE REMOVER  
**General Use:** Lime Deposit Remover  
**Manufacturer Name:** Texas Correctional Industry  
Soap & Detergent Plant  
One Circle Drive  
Sugar Land, Texas 77478

**Emergency Telephone Numbers**  
Galveston Texas Poison Control: 1-800-764-7661  
Soap & Detergent Plant Lab: 281-490-1111  
MSDS available at: www.tci.tdcj.state.tx.us  
Monday thru Thursday: 7 a.m. - 3 p.m.

**SECTION 2 - HAZARDOUS INGREDIENT**

<table>
<thead>
<tr>
<th>Chemical/Common Name</th>
<th>CAS No.</th>
<th>PERCENT</th>
<th>ACGIH/OSHA</th>
<th>WHMIS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydroxyacetic Acid</td>
<td>79-14-1</td>
<td>5 - 6</td>
<td>N/D</td>
<td>N/D</td>
</tr>
<tr>
<td>Phosphoric Acid</td>
<td>7664-38-2</td>
<td>42 - 43</td>
<td>1 mg/m³</td>
<td>1 mg/m³</td>
</tr>
</tbody>
</table>

* N/A = Not Applicable  
* N/D = Not Determined

* Listed: CERCLA RQ = 5000 lbs; 29 CFR 1910.1000 Subpart Z.  
* WHMIS – minimum amount necessary in a mixture to trigger reporting: 1% (hazardous chemical); 0.1% (extremely hazardous chemical)

**SECTION 3 - PHYSICAL PROPERTIES**

- Vapor Pressure: N/D  
- Specific Gravity (water = 1): 1.20  
- Solubility in Water: Complete  
- pH: < 2.0  
- Boiling Point: > 200° F  
- Appearance and Odor: Clear light green liquid, mild odor

**SECTION 4 - FIRE AND HAZARD DATA**

- Flash Point (T.C.C.): Nonflammable  
- Flammable Limit: N/A  
- Physical Hazard: Corrosive; acidic  
- Extinguishing Media: Water, Foam, Dry Chemicals, or Carbon Dioxide  
- Fire Extinguishing Procedure: Use of respiratory equipment is recommended in enclosed areas  
- Fire and Explosive Hazard: None
SECTION 5 - REACTIVE DATA

Hazardous Decomposition: Oxides of Carbon and Sulfur
Stability: Stable
Incompatibility: Alkaline materials and Oxidizing Agents

SECTION 6 - HEALTH HAZARD

Primary Route of Exposure: Eyes, Skin, Oral, or Inhalation

Signs and Symptoms of Over Exposure (acute):
- Eyes: Corrosive to Eye tissue, may cause corneal damage
- Skin: May cause redness or rash, burns or blisters
- Ingestion: May cause gastrointestinal irritation and burns to the alimentary canal
- Inhalation: May be an irritant to the respiratory tract

Signs and Symptoms of Over Exposure (chronic): Eye, skin, and respiratory tract irritation

Medical condition aggravated by over exposure: Not known

Carcinogen or suspect of carcinogen ingredients: None

SECTION 7 - EMERGENCY AND FIRST AID PROCEDURE

Eyes: Immediately flush eyes with plenty of water for at least 15 min. If irritation persists, get medical attention.

Skin: Flush with copious amounts of water. Remove contaminated clothing and seek medical attention if irritation persists.

Ingestion: Rinse mouth thoroughly and drink plenty of water. Do not induce vomiting unless directed by physician.

Inhalation: Move person to fresh air if irritation, headache, drowsiness, or nausea occurs. Seek medical attention if breathing becomes difficult or if any irritation should persist.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection: None required with normal use
Ventilation Requirement: Local exhaust. Maintain adequate ventilation
Protective Gloves: Yes. Rubber or neoprene
Eye Protection: Chemical goggles

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be taken if released or spilled: Gather all liquid material practical for salvage or disposal. Rinse residue with water.

Waste disposal method: Any unsalvageable material must be disposed in compliance with local, state, and federal laws and regulations. Do not dump into sewers, on the ground, or into any bodies of water.

SECTION 10 - STORAGE AND HANDLING

Store in a cool dry area. Protect this product from freezing. Keep out of the reach of children. IMPORTANT! Product use is not recommended until this Material Safety Data Sheet has been read and understood.