SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

   MANUFACTURER: Griffin Bros., Inc.
   P.O. Box 7719
   Salem, OR 97303
   INFORMATION PHONE: (800) 456-4743

   For Medical and Chemical Emergencies CHEMTREC 1-800-424-9300
   PRODUCT NAME: Marvel Strip
   PRODUCT NUMBER: G-320
   DATE PREPARED: 06/21/07
   LAST REVISION: 02/02/2015

2. HAZARDOUS IDENTIFICATION:

   EMERGENCY OVERVIEW: Corrosive
   GHS CLASSIFICATION: Skin: (Category 2) Eyes: (Category 2A) Acute Toxicity Oral: (Category 5)

   HAZARD STATEMENT(S):
   H303: May be harmful if swallowed
   H315: Causes skin irritation
   H319: Causes serious eye irritation
   H333: May be harmful if inhaled

   PRECAUTIONARY STATEMENT(S):
   P262: Do not get in eyes, on skin, or on clothing.
   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 position comfortable for breathing.
   P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
   P333+P313: IF SKIN: irritation or rash occurs: Get medical advice/attention.
   P337+P313: IF eye irritation persists: Get medical advice/attention.

   POTENTIAL HEALTH EFFECTS
   EYE CONTACT: Can cause severe eye irritation
   INHALATION: Irritating to the nose, throat, and respiratory tract.
   INGESTION: Swallowing the liquid can be irritating to the gastrointestinal tract.
   SKIN CONTACT: May cause irritation.

   SIGNS AND SYMPTOMS OF EXPOSURE: Irritation, pain, coughing, redness of skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

   Chemical Name          CAS #         Range Wt
   SODIUM HYDROXIDE       1310732       3 – 6%
   2-BUTOXY ETHANOL        111762        9 – 18%
   ETHANOLAMINE           141435        6 – 16%

4. FIRST AID MEASURES:

   EYE CONTACT: Immediately flush eyes with water for at least 15 minutes. Hold eyelids open while flushing the eyes. Get medical attention.
   INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
   INGESTION: If swallowed, dilute with water and get medical attention. 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 skin or respiratory conditions. Repeated overexposure may cause kidney and liver exposure.

   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: Water fog, dry chemical foam or carbon dioxide. Use extinguishing media appropriate for surrounding fire.
   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 HAZARDS: None known.
   COMBUSTION PRODUCTS: N/A

USES: Floor Cleaner
Restrictions: None Known

PURE: □ LIQUID: X
MIXTURE: X SOLID: □

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6. ACCIDENTAL RELEASE MEASURES:

**STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED:** Small spills: Mop up, wipe up or soak up immediately. Remove to out of doors. Large spills: Evacuate area. Contain liquid; transfer to closed poly containers. Keep out of water supply.

7. HANDLING AND STORAGE:

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Protect from freezing. 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.

8. EXPOSURE CONTROL/PERSONAL PROTECTION:

**EXPOSURE GUIDELINES:**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>ACGIH STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>2 mg/m³</td>
<td>2 mg/m³</td>
<td>n/a</td>
</tr>
<tr>
<td>2-Butoxy Ethanol</td>
<td>50 ppm(240mg/M³)(SKIN)</td>
<td>25 ppm(121 mg/M³)(SKIN)</td>
<td>n/a</td>
</tr>
<tr>
<td>Ethanolamine</td>
<td>3 ppm (6mg/M³)</td>
<td>3 ppm (7.5 mg/M³)</td>
<td>6 ppm (15mg/M³)</td>
</tr>
</tbody>
</table>

**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 / HYGIENIC PRACTICES:** Use 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:** If splashing is probable safety glasses with side shields (or goggles)

**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:**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Greenish-Yellow Liquid</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Pine Scent</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>12 – 12.2</td>
</tr>
<tr>
<td><strong>Melting/Freezing point</strong></td>
<td>No data available.</td>
</tr>
<tr>
<td><strong>Boiling point</strong></td>
<td>210 deg F</td>
</tr>
<tr>
<td><strong>Flash Point</strong></td>
<td>&gt; 200 deg. F</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>&gt;1 Pounds Per Gallon: 8.6</td>
</tr>
<tr>
<td><strong>Upper/Lower Flammability</strong></td>
<td>No data available.</td>
</tr>
</tbody>
</table>

**CONDITIONS TO AVOID:** None Known

10. STABILITY AND REACTIVITY:

**STABLE:** Stable

**INCOMPATIBILITY:** Strong acidic and strong oxidizing compounds

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Oxides of carbon.

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**CONDITIONS TO AVOID:** None Known

11. TOXICOLOGICAL INFORMATION:

No data available

12. ECOLOGICAL INFORMATION:

No data available

13. DISPOSAL CONSIDERATIONS:

Dilute with large amounts of water, neutralize with dilute acid, and dispose to municipal or industrial waste treatment facility in accordance with applicable 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>n/a</td>
<td>Non-Regulated Material, Liquid</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>ERG No.</td>
<td>154</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

15. REGULATORY INFORMATION:

No data available.

16. OTHER INFORMATION:

**HMIS INFORMATION:**

- **HEALTH:** 2
- **FLAMMABILITY:** 1
- **PHYSICAL HAZARD:** 0
- **PROTECTIVE:** B
- **NFPA INFORMATION:**

- **TOXICITY:** 2
- **FIRE:** 1
- **REACTIVITY:** 0
- **SPECIAL:** C

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