MATERIAL SAFETY DATA SHEET

NFPA RATING: Health = 1 Flammability = 0 Reactivity = 0
HMIS RATING: Health = 1 Flammability = 0 Reactivity = 0

SECTION I -- IDENTITY AND MANUFACTURER'S INFORMATION  (#0771)
Manufacturer's Name: HILLYARD INDUSTRIES
Address: 302 North Fourth Street
St. Joseph, MO 64501
Emergency Telephone No.: (800) 424-9300 (Only in the event of chemical emergency involving a spill, leak, fire, exposure or accident involving chemicals.)
Other information calls: (816) 233-1321 (Ext. 8285) http://www.hillyard.com

SECTION II -- INGREDIENTS/IDENTITY INFORMATION
Components
(Specific Chemical Identity:

<table>
<thead>
<tr>
<th>Common Name(s)</th>
<th>CAS#</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>OTHER LIMITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>none</td>
<td>none</td>
<td>N.A.</td>
</tr>
<tr>
<td>Tall oil soap, potassium</td>
<td>61790-44-1</td>
<td>not established</td>
<td>not established</td>
<td>N.A.</td>
</tr>
<tr>
<td>Ammonium pareth sulfate</td>
<td>67762-19-0</td>
<td>not established</td>
<td>not established</td>
<td>N.A.</td>
</tr>
<tr>
<td>Triethanolamine (1)</td>
<td>102-71-6</td>
<td>not established</td>
<td>5 mg/m³</td>
<td>N.A.</td>
</tr>
</tbody>
</table>

(1) Regulated in FL, MA, PA, RI

SECTION III -- PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 743mmHg 205°F Specific Gravity (H₂O = 1): 25°C = 1.00 & 39°C = 1.00
Vapor Pressure (mm Hg): 17.6 Percent Volatile by Volume (%): 87%
Vapor Density (AIR = 1): 0.6 Evaporation Rate (ethyl ether = 1): Slower than 1
Solubility in Water: Complete Appearance and Odor: light amber liquid, Sassafras odor
pH (concentrate) = 9.0-9.3

SECTION IV -- FIRE AND EXPLOSION HAZARD DATA
Flash point: None (T.C.C.) Flammable Limits: LEL = N.A. UEL = N.A.
Extinguishing Media: Water
Special Fire Fighting Procedures: None.
Unusual Fire and Explosion Hazards: None known to Hillyard Industries.

SECTION V -- PHYSICAL HAZARDS
Stability: Stable Conditions to Avoid: N.A.
Incompatibility (Materials to Avoid): None of which we have knowledge.
Hazardous Decomposition Products or Byproducts: As with any organic materials, combustion will produce carbon dioxide and probably carbon monoxide.
Hazardous Polymerization: Will not occur Conditions to Avoid: None known to Hillyard Ind.

SECTION VI -- HEALTH HAZARD DATA
Routes of entry: Inhalation? No Skin? No Ingestion? No

HEALTH HAZARDS (1. Acute and 2. Chronic)
1. Primary Irritation test on the concentrate per the Federal Hazardous Substance Act showed the concentrated product was a primary skin irritant and an eye irritant.
2. None known by manufacturer.

Chemical listed as Carcinogen or Potential Carcinogen:
National Toxicology Program = No I.A.R.C. Monographs = No OSHA = No
This product has no carcinogens listed by IARC, NTP, NIOSH, or ACGIH as of this date, greater than or equal to 0.1%.
SECTION VI -- HEALTH HAZARD DATA (continued)
Signs and Symptoms of Exposure: May cause irritation to skin and eyes.
Medical Conditions Generally Aggravated by Exposure: Open cuts and sores may be irritated by contact.
Emergency and First Aid Procedures: In case of contact with eyes or skin, flush with plenty of water for 15 minutes. Remove contaminated clothing. Call a physician if irritation persists. Wash clothing before reuse. If swallowed give water; may cause diarrhea; call physician.

SECTION VII -- PRECAUTIONS FOR SAFE HANDLING AND USE
Steps To Be Taken In Case Material Is Released Or Spilled: Rinse area with water and pick up with wet vac or mop.
Waste Disposal Method: Dispose of in accordance with state or local regulations.
Precautions To Be Taken In Handling And Storing: Not applicable.
Other Precautions: Do not dispose of in storm drains or streams.

SECTION VIII -- CONTROL MEASURES
Respiratory Protection (Specify Type): Not normally required.
Ventilation:
Local Exhaust = Normally adequate Mechanical (General) = Recommended Special = N.A.
Other = N.A.
Protective Gloves: None required with normal use. Eye Protection: Splash goggles where eye contact is likely.
Other Protective Clothing or Equipment: Not normally required.
Work / Hygienic Practices: Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling; wash clothing before reuse.

SECTION IX -- TRANSPORTATION INFORMATION
Applicable regulations: DOT = no; IMCO = no; IATA = no
Proper shipping name: Cleaning compound
UN No.: not applicable Limited Qty.: not applicable Hazard Class: not applicable
Labels required: not required DOT Exception: not applicable
EPA Hazardous waste/number code: not listed
Hazardous waste characteristics:
Ignitability = not applicable; Corrosivity = not applicable; Reactivity = not applicable

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