MATERIAL SAFETY DATA SHEET

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

SECTION I -- IDENTIFICATION AND MANUFACTURER'S INFORMATION

Manufacturer's Name: HILLYARD INDUSTRIES  
Product Name: GREEN SELECT BATHROOM CLEANER

Address: 302 North Fourth Street  
St. Joseph, MO 64501

Date Prepared: July 22, 2009 (version 4)
Prepared by: Regulatory Affairs Department

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 RECOMMENDED</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>none</td>
<td>none</td>
<td>N/A</td>
<td>---</td>
</tr>
<tr>
<td>Alkyl polyglucoside mixture</td>
<td>68515-73-1 &amp;</td>
<td>not established</td>
<td>not established</td>
<td>N/A</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>110615-47-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium Citrate</td>
<td>68-04-2</td>
<td>not established</td>
<td>not established</td>
<td>N/A</td>
<td>---</td>
</tr>
<tr>
<td>Glycolic Acid</td>
<td>79-14-1</td>
<td>not established</td>
<td>not established</td>
<td>N/A</td>
<td>---</td>
</tr>
<tr>
<td>*Lavender fragrance</td>
<td>trade secret</td>
<td>not established</td>
<td>not established</td>
<td>N/A</td>
<td>---</td>
</tr>
<tr>
<td>VOC Concentrate = 0 g/L; VOC (concentrate) 0%; VOC (Min. dilution) 0%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*SECTION III -- PHYSICAL / CHEMICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>208°F</td>
</tr>
<tr>
<td>Specific Gravity (H2O = 1)</td>
<td>1.06</td>
</tr>
<tr>
<td>Density (8.83 lb/gl)</td>
<td></td>
</tr>
<tr>
<td>Percent Volatile by Volume (%)</td>
<td>86.28</td>
</tr>
<tr>
<td>Evaporation Rate (ethyl ether = 1)</td>
<td>slower than 1</td>
</tr>
<tr>
<td>Solubility in Water: complete</td>
<td>green liquid; floral odor</td>
</tr>
<tr>
<td>pH (concentrate)</td>
<td>3.5 – 4.5</td>
</tr>
<tr>
<td>pH (diluted 1:20)</td>
<td>4 - 5</td>
</tr>
</tbody>
</table>

SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

Flash point: None to 200°F (T.C.C.)  
Flammable Limits: LEL = No data UEL = N/A
Extinguishing Media: Carbon dioxide, Dry chemical, Foam, Water Spray.
Special Fire Fighting Procedures: Water spray may be used to cool closed containers. Use self-contained breathing apparatus.
Unusual Fire and Explosion Hazards: None known to manufacturer.

SECTION V -- PHYSICAL HAZARDS

Stability: Stable  
Conditions to Avoid: None known to Hillyard
Incompatibility (Materials to Avoid): Strong oxidizing materials
Hazardous Decomposition Products or Byproducts: As with any organic material, combustion will produce carbon dioxide and probably carbon monoxide.
Hazardous Polymerization: Will not occur  
Conditions to Avoid: None known

SECTION VI -- HEALTH HAZARD DATA

Routes of entry: Inhalation? no Eye? yes Skin? no Ingestion? no

HEALTH HAZARDS (1. Acute and 2. Chronic)

1. When tested per the Federal Hazardous Substance Act method 16 CFR 1500 concentrated product was not a skin irritant; per the FHSA method 16 CFR 1500 the product was an eye irritant. Not acutely toxic (oral) to rats at 5 gm/kg. per upper limit test. Acute inhalation = 1 hour upper limit test not toxic at 21.6 mg/L.
2. None known to Hillyard.
SECTION VI -- HEALTH HAZARD DATA continued
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%.
Signs and Symptoms of Exposure: None known by manufacturer.
Medical Conditions Generally Aggravated by Exposure: None known by manufacturer.
Emergency and First Aid Procedures: Eye and skin contact: Flush with plenty of water for 15 minutes; remove contact lenses and flush eyes again with water. If eye irritation persists get medical attention. If swallowed: Call a physician, hospital emergency room or poison control center immediately; induce vomiting.

SECTION VII -- PRECAUTIONS FOR SAFE HANDLING AND USE
Steps To Be Taken In Case Material Is Released Or Spilled: Absorb large spills with floor dry material. Small spills: Flush with water and pick up with mop.
Waste Disposal Method: Dispose of in accordance with state and local regulations
Precautions To Be Taken In Handling And Storing: Keep container closed when not in use.
Other Precautions: Do not take internally

SECTION VIII -- CONTROL MEASURES
Respiratory Protection (Specify Type): None required.
Ventilation: Follow good engineering practices for public areas.
Local Exhaust = N/A  Mechanical (General) = Recommended  Special = N/A  Other = N/A
Protective Gloves: N/A  Eye Protection: Goggles when splashing of concentrate is a concern.
Other Protective Clothing or Equipment: N/A
Work / Hygienic Practices: Wash thoroughly after handling

SECTION IX - TRANSPORTATION INFORMATION
Applicable regulations: CFR = No  IMCO = No  IATA = No.
Proper shipping name for air, foreign water for highway: Cleaning compound
UN No.: not applicable for highway  Limited Qty.: not applicable  Hazard class: not applicable for highway
Labels required: not required for highway  DOT Exception: not applicable
EPA Hazardous waste characteristics:
Ignitability = Not applicable;  Corrosivity = Not applicable;  Reactivity = Not applicable.

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