1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name: Solid Green 28 Solid Biological Floor Cleaner

Other means of identification

Product Code(s): 1040

Synonyms: None

Recommended use of the chemical and restrictions on use

Recommended Use: Floor cleaner

Uses advised against: No information available

Supplier’s details

Supplier Address: Sunburst Chemicals, Inc.
220 W. 86th St.
Bloomington, MN 55420
TEL: 952-884-3144

Emergency telephone number

Emergency Telephone Number: 1-866-303-6943

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Oral Toxicity</td>
<td>Category 4</td>
</tr>
<tr>
<td>Skin Corrosion/Irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Serious Eye Damage/Eye Irritation</td>
<td>Category 1</td>
</tr>
</tbody>
</table>

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word: Warning

Hazard Statements:
- Harmful if swallowed
- Causes skin irritation
- Causes serious eye irritation
Appearance | Off White | Physical State | Solid | Odor | Sweet

Precautionary Statements
Prevention
- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Use personal protective equipment as required
- Avoid breathing mist/vapors/spray

General Advice
- IF exposed or concerned: Get medical attention/advice

Eyes
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- Immediately call a POISON CENTER or doctor/physician.

Skin
- IF ON SKIN: Wash with plenty of soap and water
- Take off contaminated clothing and wash before reuse
- If skin irritation occurs: Get medical advice/attention

Inhalation
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Ingestion
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- Rinse mouth

Storage
- Store locked up
- Store in a well-ventilated place. Keep container tightly closed

Disposal
- Dispose of contents/container to an approved waste disposal plant

Hazard Not Otherwise Classified (HNOC)
Not applicable

Other information
Harmful to aquatic life with long lasting effects

No information available.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>Trade secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium citrate</td>
<td>6132-04-3</td>
<td>20-40</td>
<td></td>
</tr>
<tr>
<td>Benzenesulfonic acid, C10-16-alkyl derivatives, sodium salts</td>
<td>68081-81-2</td>
<td>10-30</td>
<td>**</td>
</tr>
<tr>
<td>Dodecanamide, N-(2-hydroxyethyl)-</td>
<td>142-78-9</td>
<td>7-13</td>
<td>**</td>
</tr>
<tr>
<td>Sodium dioctyl sulfosuccinate</td>
<td>577-11-7</td>
<td>5-10</td>
<td>**</td>
</tr>
</tbody>
</table>
### 4. FIRST AID MEASURES

**Description of necessary first-aid measures**

| Eye Contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice. |
| Skin Contact | Wash off with warm water and soap. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician. |
| Inhalation | Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician. |
| Ingestion | Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. |

**Most important symptoms/effects, acute and delayed**

**Most Important Symptoms/Effects**

No information available.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to Physician**

Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Water. Carbon dioxide (CO$_2$). Dry chemical.

**Unsuitable Extinguishing Media**

None

**Specific Hazards Arising from the Chemical**

No information available

**Explosion Data**

- Sensitivity to Mechanical Impact: None
- Sensitivity to Static Discharge: None

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions**

Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Ensure adequate ventilation. Use personal protective equipment. If spilled, take caution, as material can cause surfaces to become very slippery.

**Environmental Precautions**

Avoid release to the environment. Collect spillage. See Section 12 for additional Ecological Information. Dispose of contents/container to an approved waste disposal plant.

**Methods and materials for containment and cleaning up**
Methods for Containment
Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up
Collect and reuse if possible. Following product recovery, flush area with water.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling
Handle in accordance with good industrial hygiene and safety practice. Ensure adequate
ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist.
Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage
Keep container tightly closed. Keep container closed when not in use. Keep out of the
reach of children.

Incompatible Products
None known based on information supplied.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines
This product does not contain any hazardous materials with occupational exposure limits
established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Measures
Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection
Tightly fitting safety goggles.

Skin and Body Protection
Rubber or vinyl gloves recommended when handling solid chemicals.

Respiratory Protection
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved
respiratory protection should be worn.

Hygiene Measures
Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks/Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Solid</td>
<td>Appearance Off White</td>
</tr>
<tr>
<td>Odor</td>
<td>Sweet</td>
<td>Odor Threshold No information available</td>
</tr>
<tr>
<td>pH</td>
<td>8</td>
<td>None known</td>
</tr>
<tr>
<td>Melting Point/Range</td>
<td>120 °F</td>
<td>None known</td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flash Point</td>
<td>None</td>
<td>None known</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>upper flammability limit</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>lower flammability limit</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>No data available</td>
<td>None known</td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

Reactivity
No data available.

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
None under normal processing.

Conditions to avoid
None known based on information supplied.

Incompatible materials
None known based on information supplied.

Hazardous decomposition products
None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

<table>
<thead>
<tr>
<th>Route</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>May cause irritation of respiratory tract.</td>
</tr>
<tr>
<td>Eye Contact</td>
<td>Causes eye irritation.</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium dioctyl sulfosuccinate</td>
<td>1900 mg/kg (Rat)</td>
<td>10000 mg/kg (Rabbit)</td>
<td>-</td>
</tr>
</tbody>
</table>

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms
No information available.
Delayed and immediate effects and also chronic effects from short and long term exposure

- Sensitization: No information available.
- Mutagenic Effects: No information available.
- Carcinogenicity: Does not contain carcinogenic material.
- Reproductive Toxicity: No information available.
- STOT - single exposure: No information available.
- STOT - repeated exposure: No information available.
- Aspiration Hazard: No information available.

**Numerical measures of toxicity • - Product**

*The following values are calculated based on chapter 3.1 of the GHS document:*

- LD50 Oral: No information available.
- LD50 Dermal: No information available.

**12. ECOLOGICAL INFORMATION**

- **Ecotoxicity**: Harmful to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Toxicity to Microorganisms</th>
<th>Daphnia Magna (Water Flea)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylhexyl sodium sulfosuccinate</td>
<td>LC50 96 h: 20 - 40 mg/L</td>
<td>LC50 96 h: &lt; 24 mg/L static</td>
<td>EC50 48 h: = 36 mg/L</td>
<td>(Daphnia magna)</td>
</tr>
<tr>
<td></td>
<td>semi-static (Oncorhynchus mykiss)</td>
<td>(Oncorhynchus mykiss) LC50</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LC50 96 h: = 37 mg/L static</td>
<td>(Lepomis macrochirus)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Daphnia magna)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Persistence and Degradability**: No information available.
- **Bioaccumulation**: No information available.
- **Other Adverse Effects**: No information available.

**13. DISPOSAL CONSIDERATIONS**

- **Waste Disposal Methods**: Dispose of in accordance with federal, state, and local regulations.
- **Contaminated Packaging**: Dispose of in accordance with federal, state, and local regulations.

**14. TRANSPORT INFORMATION**

- **DOT**: Not regulated

**15. REGULATORY INFORMATION**

- **International Inventories**
  - TSCA: Complies
  - DSL/NDSL: Complies

- **Legend**
  - TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
  - DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

- **U.S. Federal Regulations**
  - Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.
SARA 311/312 Hazard Categories

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Yes/No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Health Hazard</td>
<td>Yes</td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Fire Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Sudden Release of Pressure Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
</tr>
</tbody>
</table>

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to The Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA
This material, as supplied, contains no substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

U.S. State Regulations

California Proposition 65
This product contains no Proposition 65 chemicals.

U.S. State Right-to-Know Regulations
None.

U.S. EPA Label Information
EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazard</th>
<th>Flammability</th>
<th>Instability</th>
<th>Physical and Chemical Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazard</th>
<th>Flammability</th>
<th>Physical Hazard</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>A</td>
</tr>
</tbody>
</table>

Prepared By
Sunburst Chemicals
220 West 86th Street
Bloomington, MN 55420
952-884-3144

Issuing Date 04-Jan-2013
Revision Date 04-Jan-2013
Revision Note New Issue

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End of Safety Data Sheet