

## 1. Identification

**Product identifier** GREEN SELECT FOAMING HAND SOAP

**Other means of identification**

**SDS number** 16SAM03017C

**Product code** HIL00390

**Recommended use** Hand Soap

**Recommended restrictions** For Labeled Use Only  
Protect from Freezing

This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and consumer products, specifically defined by regulations around the world, are exempt from the requirement of an SDS for the consumer.

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer**

**Company name** HILLYARD INDUSTRIES

**Address** 302 North Fourth St.  
St. Joseph, MO 64501

**Contact person** Regulatory Affairs

**Telephone number** (800) 365-1555 (Ext. 8206)

**Fax** (816) 383-8406

**E-mail** regulatoryaffairs@hillyard.com

**Emergency telephone #** (800) 424-9300  
(Only in the event of chemical emergency involving a spill, leak, fire, exposure or accident involving chemicals)

## 2. Hazard(s) identification

**Hazards of the product as supplied**

**Physical hazards** Not classified.

**Health hazards** Serious eye damage/eye irritation Category 2B

**Environmental hazards** Not classified.

**OSHA defined hazards** Not classified.

**Other hazards**

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** None.

**Label elements**

**Hazard symbol** None.

**Signal word** Warning

**Hazard statement** Causes eye irritation.

**Precautionary statement**

**Prevention** Rinse hands thoroughly after using.

**Response** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If skin irritation or rash occurs, discontinue use.

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>  | Store away from incompatible materials.                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Disposal</b> | Buyer assumes all risk and liability associated with disposal of this product (original concentration or dilution) in violation of applicable law. Waste from normal use may be sewered to a public-owned treatment works in compliance with applicable federal, state and local requirements. CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer clean, dry container for recycling or reconditioning. |

### 3. Composition/information on ingredients

#### Mixtures

| Chemical name                            | Common name and synonyms | CAS No./Unique ID | %        |
|------------------------------------------|--------------------------|-------------------|----------|
| Glycerin                                 |                          | 56-81-5           | 1 - < 3  |
| Other components below reportable levels |                          |                   | 90 - 100 |

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First-aid measures

|                                                                               |                                                                                                                                                              |
|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>                                                             | Under normal conditions of intended use, this material is not expected to be an inhalation hazard.                                                           |
| <b>Skin contact</b>                                                           | If skin irritation or rash occurs, discontinue use.                                                                                                          |
| <b>Eye contact</b>                                                            | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| <b>Ingestion</b>                                                              | Rinse mouth. Get medical attention if symptoms occur.                                                                                                        |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort.                                                                 |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. None known.                           |
| <b>General information</b>                                                    | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.                                             |

### 5. Fire-fighting measures

|                                                                      |                                                                                                 |
|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).                                     |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.                          |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.                                           |
| <b>Special protective equipment and precautions for firefighters</b> | Firefighters should wear full protective clothing including self contained breathing apparatus. |
| <b>Fire fighting equipment/instructions</b>                          | Use standard firefighting procedures and consider the hazards of other involved materials.      |
| <b>Specific methods</b>                                              | Use standard firefighting procedures and consider the hazards of other involved materials.      |
| <b>General fire hazards</b>                                          | No unusual fire or explosion hazards noted.                                                     |

### 6. Accidental release measures

|                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions, protective equipment and emergency procedures</b> | No special precautions are necessary beyond normal good hygiene practices. See Section 8 of the SDS for additional personal protection advice when handling this product.                                                                                                                                                                                                                                                                                                                        |
| <b>Methods and materials for containment and cleaning up</b>               | <p>This product is miscible in water.</p> <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use.</p> |
| <b>Environmental precautions</b>                                           | No special environmental precautions required.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## 7. Handling and storage

|                                                                     |                                             |
|---------------------------------------------------------------------|---------------------------------------------|
| <b>Precautions for safe handling</b>                                | Avoid contact with eyes.                    |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store in original tightly closed container. |

## 8. Exposure controls/personal protection

### Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

#### US. OSHA Table Z-1 Permissible Exposure Limits (PEL) for Air Contaminants (29 CFR 1910.1000)

| Components             | Type | Value    | Form                 |
|------------------------|------|----------|----------------------|
| Glycerin (CAS 56-81-5) | PEL  | 5 mg/m3  | Respirable fraction. |
|                        |      | 15 mg/m3 | Total dust.          |

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls** No special ventilation requirements.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Avoid contact with eyes.

#### Skin protection

**Hand protection** Not applicable.

**Other** Not applicable.

**Respiratory protection** Not applicable.

**Thermal hazards** None known.

**General hygiene considerations** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Not applicable.

## 9. Physical and chemical properties

|                                                                 |                                     |
|-----------------------------------------------------------------|-------------------------------------|
| <b>Physical state</b>                                           | Liquid.                             |
| <b>Form</b>                                                     | Liquid.                             |
| <b>Color</b>                                                    | Colorless to light amber            |
| <b>Odor</b>                                                     | Fragrance free                      |
| <b>Odor threshold</b>                                           | Not available                       |
| <b>Melting point/freezing point</b>                             | Not applicable / Not available      |
| <b>Boiling point or initial boiling point and boiling range</b> | 211 °F (99.44 °C) Corr.             |
| <b>Flammability</b>                                             | Not applicable.                     |
| <b>Upper/lower flammability or explosive limits</b>             |                                     |
| <b>Explosive limit - lower (%)</b>                              | Not available.                      |
| <b>Explosive limit - upper (%)</b>                              | Not available.                      |
| <b>Flash point</b>                                              | >200.0 °F (>93.3 °C) Tag Closed Cup |
| <b>Auto-ignition temperature</b>                                | Not available                       |
| <b>Decomposition temperature</b>                                | Not available                       |
| <b>pH</b>                                                       | > 6.5 - < 7.5                       |
| <b>Kinematic viscosity</b>                                      | Not available.                      |
| <b>Solubility</b>                                               |                                     |
| <b>Solubility (water)</b>                                       | 100 % Complete                      |
| <b>Partition coefficient (n-octanol/water)</b>                  | Not available                       |
| <b>Vapor pressure</b>                                           | 17.53 mm Hg                         |

**Density and/or relative density**

|                  |               |
|------------------|---------------|
| Density          | 8.37 lb/gal   |
| Relative density | 1.004 at 77°F |

Vapor density 0.6216 AIR=1

Particle characteristics Not available.

**Other information**

|                      |                    |
|----------------------|--------------------|
| Evaporation rate     | <1 Ethyl ether = 1 |
| Explosive properties | Not explosive.     |
| Oxidizing properties | Not oxidizing.     |
| Percent volatile     | > 98 - < 99 %      |
| Viscosity            | Not available      |
| VOC                  | 0 %                |

**10. Stability and reactivity**

**Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability** Material is stable under normal conditions.

**Possibility of hazardous reactions** No dangerous reaction known under conditions of normal use.

**Conditions to avoid** Avoid temperatures exceeding the flash point. Contact with incompatible materials. None under normal conditions.

**Incompatible materials** Strong oxidizing agents.

**Hazardous decomposition products** None known.

**11. Toxicological information****Information on likely routes of exposure**

|              |                                                      |
|--------------|------------------------------------------------------|
| Inhalation   | No adverse effects due to inhalation are expected.   |
| Skin contact | No adverse effects due to skin contact are expected. |
| Eye contact  | Causes eye irritation.                               |
| Ingestion    | Expected to be a low ingestion hazard.               |

**Symptoms related to the physical, chemical and toxicological characteristics** Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort.

**Information on toxicological effects**

**Acute toxicity** Not known.

| Product | Species | Test Results |
|---------|---------|--------------|
|---------|---------|--------------|

GREEN SELECT FOAMING HAND SOAP

**Acute****Oral**

|      |        |              |
|------|--------|--------------|
| LD50 | Rabbit | 7200000 g/kg |
|------|--------|--------------|

| Components | Species | Test Results |
|------------|---------|--------------|
|------------|---------|--------------|

Glycerin (CAS 56-81-5)

**Acute****Inhalation**

|      |     |                      |
|------|-----|----------------------|
| LC50 | Rat | > 570 mg/m3, 1 Hours |
|------|-----|----------------------|

**Oral**

|      |     |           |
|------|-----|-----------|
| LD50 | Rat | 5.57 g/kg |
|------|-----|-----------|

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** None known.

|                                                                       |                                                                                                                  |
|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Serious eye damage/eye irritation</b>                              | Causes eye irritation.                                                                                           |
| <b>Respiratory or skin sensitization</b>                              |                                                                                                                  |
| <b>Respiratory sensitization</b>                                      | Not a respiratory sensitizer.                                                                                    |
| <b>Skin sensitization</b>                                             | This product is not expected to cause skin sensitization.                                                        |
| <b>Germ cell mutagenicity</b>                                         | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| <b>Carcinogenicity</b>                                                | Not classifiable as to carcinogenicity to humans.                                                                |
| <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>         |                                                                                                                  |
| Not listed.                                                           |                                                                                                                  |
| <b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)</b> |                                                                                                                  |
| Not listed.                                                           |                                                                                                                  |
| <b>US. National Toxicology Program (NTP) Report on Carcinogens</b>    |                                                                                                                  |
| Not listed.                                                           |                                                                                                                  |
| <b>Reproductive toxicity</b>                                          | This product is not expected to cause reproductive or developmental effects.                                     |
| <b>Specific target organ toxicity - single exposure</b>               | Not classified.                                                                                                  |
| <b>Specific target organ toxicity - repeated exposure</b>             | Not classified.                                                                                                  |
| <b>Aspiration hazard</b>                                              | Not an aspiration hazard.                                                                                        |
| <b>Chronic effects</b>                                                | Not established.                                                                                                 |

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

| Components             | Species                                                  | Test Results                 |
|------------------------|----------------------------------------------------------|------------------------------|
| Glycerin (CAS 56-81-5) |                                                          |                              |
| <b>Aquatic</b>         |                                                          |                              |
| <i>Acute</i>           |                                                          |                              |
| Fish                   | LC50 Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 51000 - 57000 mg/l, 96 hours |

\* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product.

### Bioaccumulative potential

#### Partition coefficient n-octanol / water (log Kow)

Glycerin -1.76

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

|                                              |                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Disposal instructions</b>                 | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations. Buyer assumes all risk and liability associated with disposal of this product (original concentration or dilution) in violation of applicable law.                                               |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.                                                                                                                                                                                                                                                                                                                                    |
| <b>Hazardous waste code</b>                  | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.                                                                                                                                                                                                                                                                            |
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Waste from normal product use may be sewered to a public owned treatment works (POTW) in compliance with applicable Federal, State, and local pretreatment requirements. |

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Triple rinse (or equivalent). Then offer clean, dry container for recycling or reconditioning.

## 14. Transport information

### DOT

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

**Transport in bulk according to IMO instruments** Not established.

## 15. Regulatory information

**US federal regulations** All components are on the U.S. EPA TSCA Inventory List or Exempt.  
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### Toxic Substances Control Act (TSCA)

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

### SARA 304 Emergency release notification

Not regulated.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### SARA 302 Extremely hazardous substance

Not listed.

**SARA 311/312 Hazardous chemical** Yes

**Classified hazard categories** Serious eye damage or eye irritation

#### SARA 313 (TRI reporting)

Not regulated.

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

#### FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

Glycerin (CAS 56-81-5)

Other Flavoring Substances with OSHA PEL's

**US state regulations** California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

#### California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**International Inventories**

| Country(s) or region        | Inventory name                                | On inventory (yes/no)* |
|-----------------------------|-----------------------------------------------|------------------------|
| Canada                      | Domestic Substances List (DSL)                | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)           | No                     |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision**

**Issue date** 02-19-2015

**Revision date** 10-13-2026

**Version #** 05

**HMIS® ratings** Health: 1  
Flammability: 0  
Physical hazard: 0

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**Revision information** Physical & Chemical Properties: Multiple Properties