Section 1  
Product Description

Product Name: SmartSan Alcohol-Free Hand Sanitizer Foam  
Synonyms: Hand Sanitizer  
Distributor: Best Sanitizers, Inc.  
PO Box 1360 Penn Valley, CA 95946

Chemical Information  
Emergency:  
Chemtrec  
1.800.424.9300

Section 2  
Hazard Information

This product when used according to instructions, is safe and presents no immediate or long-term health hazard. It is safe for consumers with intended and reasonable foreseeable use. Normal usage should not create hazardous conditions.

Appearance—Aqueous solution  
Physical state—Liquid  
Odor—Mild Odor

Precautionary Statements—Response  
IF IN EYES: Contact may cause mild, transient irritation. For irritation, 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 ON SKIN (or hair): Not expected to be irritating, sensitizing, photoallergenic or phototoxic when used as intended. If irritation occurs following intended use or prolonged contact it is expected to be mild and transient.

Precautionary Statements—Storage  
Store in dry area at normal temperatures.

Precautionary Statements—Disposal  
Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC)  
Not Applicable

Other Information  
Unknown Acute Toxicity

Section 3  
Composition/Information on Ingredients

Based on our hazard evaluation, the following chemical substances have been identified as hazardous.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Percent (w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>1-5%</td>
</tr>
<tr>
<td>Cocamidopropyle Betaine</td>
<td>61789-40-0</td>
<td>1-5%</td>
</tr>
<tr>
<td>Benzalkonium Chloride</td>
<td>68391-01-05</td>
<td>&lt;1%</td>
</tr>
</tbody>
</table>
## Safety Data Sheet

### Section 4  First Aid Measures

**First Aid Measures**

**Eye Contact**
Flush with copious amounts of water immediately. Hold eye(s)open and rinse slowly and gentlywith water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye(s). If eye irritation persists, get medical advice/attention.

**Skin Contact**
None anticipated under foreseeable use conditions. Prolonged or repeated skin contact with this product may cause irritation in sensitive individuals. Get medical attention if irritation develops.

**Inhalation**
None expected under foreseeable conditions.

**Ingestion**
Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Call physician.

### Section 5  Fire-Fighting Measures

**Suitable Extinguishing Media**
Water spray (fog), Carbon dioxide (CO₂), Foam.

**Unsuitable Extinguishing Media**
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. Cool containers with flooding quantities of water until well after fire is out.

### Section 6  Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures**

Use personal protection recommended in Section 8. Ensure adequate ventilation, especially in confined areas.

Isolate area. Keep unnecessary personnel away.
Safety Data Sheet

Methods and material for containment and cleaning up

Methods for containment
Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (See Section 13).

Methods for cleaning up
Soak up with inert absorbent material. Clean up spillage with brush and shovel. Sweep up and shovel into suitable containers for disposal. Following product recovery, flush area with water.

Section 7 Handling and Storage

Precautions for Safe Handling

Advice on Safe Handling
Store in a cool, dry place, keep away from heat. Keep away from heat, sparks, and flames. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Use only in well-ventilated areas. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep Containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Store between 40 to 100˚F.

Incompatible materials
Heat, sparks, open flame, other ignition sources. Keep away from hypochlorite acid and strong oxides.

Section 8 Protection Information

Exposure Guidelines

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Exposure Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>OSHA PEL-TWA: 15 mg/m³</td>
</tr>
</tbody>
</table>

Appropriate Engineering Controls

Engineering Controls
Showers, eyewash stations, ventilation system.

Individual Protection Measures, such as personal protective equipment

<table>
<thead>
<tr>
<th>Protection Measure</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye/Face protection</td>
<td>Wear safety glasses with side shields (or goggles).</td>
</tr>
<tr>
<td>Skin and body protection</td>
<td>Wear protective Neoprene™ gloves. Rubber gloves. Normal work clothing (long sleeved shirt and long pants is recommended).</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.</td>
</tr>
<tr>
<td>General Hygiene Considerations</td>
<td>Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing and shoes before reuse. Do not Eat, Drink or Smoke when using this product.</td>
</tr>
</tbody>
</table>
## Safety Data Sheet

### Section 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>Formula: See Section 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odor: Mild Odor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odor Threshold: No Information Available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical State: Liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appearance: Aqueous solution</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color: Green</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>5.0-7.0</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>No Information available</td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>212˚F</td>
</tr>
<tr>
<td>Flash Point</td>
<td>No information available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td>No information available</td>
</tr>
<tr>
<td>Upper flammability limit:</td>
<td>No information available</td>
</tr>
<tr>
<td>Lower flammability limit:</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor pressure:</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor density:</td>
<td>No information available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.0</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Soluble in water</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No information available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>No information available</td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>No information available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No information available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No information available</td>
</tr>
</tbody>
</table>

### Section 10  Stability and Reactivity Data

**Reactivity**
- No data available.

**Chemical Stability**
- Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**
- None under normal processing.

**Conditions to avoid**
- Heat, flames, and sparks, extreme temperature conditions

**Incompatible materials**
- Heat, sparks, open flame, other ignition sources.

**Hazardous Decomposition Products**
- Carbon monoxide. Carbon dioxide (CO₂).
## Section 11  Toxicity Data

### Information on likely routes of exposure

**Product Information**

- **Inhalation**
  - Inhalation of vapors in high concentration may cause irritation of respiratory system.
  - No irritant under normal use.

- **Eye Contact**
  - No irritant under normal use.

- **Skin Contact**
  - None expected under foreseeable conditions.

### Information on toxicological effects

**Symptoms**
- No Information Available

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

- **Sensitization**
  - No Information Available

- **Germ cell mutagenicity**
  - No Information Available

- **Carcinogenicity**
  - No Information Available

- **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 Information**

- **Unknown Acute Toxicity**
  - No Information Available.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin 56-81-5</td>
<td>12600 mg/kg</td>
<td>&gt; 10 g/kg (Rabbit)</td>
<td>&gt; 570 mg/m³ (Rat) 1 h</td>
</tr>
</tbody>
</table>

## Section 12  Ecological Data

The product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices. Additional information is available from the address listed in Section 1 upon request.

**Persistence and degradability**
- No Information Available.

**Mobility**
- No information available.

**Other adverse effects**
- No information available.

## Section 13  Disposal Information

**Waste treatment methods**

- **Disposal of wastes**
  - Disposal should be in accordance with applicable regional, national and local laws and regulations.

- **Contaminated packaging**
  - Dispose of in accordance with federal, state and local regulations.
Section 14  Transport Information

DOT  
Non hazardous

IATA  
Non hazardous

Section 15  Regulatory Information

International Inventories

TSCA  
Complies

DSL/NDSL  
Complies

EINECS/ELINCS  
Complies

Legend:
TSCA—United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL—Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS—European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

US Federal Regulations SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization 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

Acute Health Hazard  
No

Chronic Health Hazard  
No

Fire Hazard  
No

Sudden Release of pressure hazard  
No

Reactive Hazard  
No

CWA (Clean Water Act)

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

CERCLA

This material, as supplied, does not contain any substance regulated as a hazardous substance under the Comprehensive Environment Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

US State Regulations California Proposition 65

This product does not contain any Proposition 65 chemicals.

While the finished product is not considered hazardous as defined by OSHA in 29 CFR 1910.1200 (d), this SDS contains valuable information critical to the safe handling and proper use of the product.
Section 16  Additional Information

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Prepared by: Technical Department
Revision Date: March, 2017
Version: 2
Revision Note: No information available

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet