

**SmartSan Alcohol-Free Foam Hand Sanitizer**
**Section 1**
**Product Description**

|   |  |
|---|--|
| Product Name:                               | SmartSan Alcohol-Free Foam Hand Sanitizer                  |
| Synonyms:                                   | Hand Soap  |
| Distributor:                                | Best Sanitizers, Inc.<br>PO Box 1360 Penn Valley, CA 95946 |
| Chemical Information Emergency:<br>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.

| Ingredient              | CAS Number  | Percent (w/w) |
|-------------------------|-------------|---------------|
| Glycerin                | 56-81-5     | 1-5%          |
| Cocamidopropyle Betaine | 61789-40-0  | 1-5%          |
| Benzalkonium Chloride   | 68391-01-05 | < 1%          |

# 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 gently with 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.

#### Most important symptoms and effects, both acute and delayed

##### **Symptoms**

See Section 11 for symptom information.

#### Indication of any immediate medical attention and special treatment needed

##### **Note to physicians**

Treat symptomatically.

## Section 5

### Fire-Fighting Measures

#### Suitable Extinguishing Media

Water spray (fog), Carbon dioxide (CO<sub>2</sub>), 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

##### **Personal Precautions**

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

##### **For emergency responders**

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

| Ingredient | CAS Number | Exposure Limit                     |
|------------|------------|------------------------------------|
| Glycerin   | 56-81-5    | OSHA PEL-TWA: 15 mg/m <sup>3</sup> |

### Appropriate Engineering Controls

|                      |  |
|----------------------|--|
| Engineering Controls | Showers, eyewash stations, ventilation system. |
|----------------------|--|

### Individual Protection Measures, such as personal protective equipment

|                                |   |
|--------------------------------|---|
| Eye/Face protection            | Wear safety glasses with side shields (or goggles).   |
| Skin and body protection       | Wear protective Neoprene™ gloves. Rubber gloves. Normal work clothing (long sleeved shirt and long pants is recommended).   |
| Respiratory protection         | 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. |
| General Hygiene Considerations | 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.   |

# Safety Data Sheet

## Section 9

## Physical and Chemical Properties

### Information on basic physical and chemical properties

|                              |                          |                          |                               |
|------------------------------|--------------------------|--------------------------|-------------------------------|
| Formula:                     | See Section 3            | Physical State:          | Liquid                        |
| Odor:                        | Mild Odor                | Appearance:              | Aqueous solution              |
| Odor Threshold:              | No Information Available | Color:                   | Green                         |
| <b><u>Property</u></b>       |                          | <b><u>Values</u></b>     | <b><u>Remarks— Method</u></b> |
| pH                           |                          | 5.0-7.0                  | ± 1 @ 21°C                    |
| Melting Point/Freezing Point |                          | No Information available |                               |
| Boiling Point/ Boiling Range |                          | 212°F                    |                               |
| Flash Point                  |                          | No information available |                               |
| Evaporation rate             |                          | No information available |                               |
| Flammability (solid,gas)     |                          | No information available |                               |
| Flammability Limit in Air    |                          |                          |                               |
| Upper flammability limit:    |                          | No information available |                               |
| Lower flammability limit:    |                          | No information available |                               |
| Vapor pressure:              |                          | No information available |                               |
| Vapor density:               |                          | No information available |                               |
| Specific Gravity             |                          | 1.0                      |                               |
| Water solubility             |                          | Soluble in water         |                               |
| Partition coefficient        |                          | No information available |                               |
| Autoignition temperature     |                          | No information available |                               |
| Decomposition temperature    |                          | No information available |                               |
| Kinematic viscosity          |                          | No information available |                               |
| Dynamic viscosity            |                          | No information available |                               |
| Explosive properties         |                          | No information available |                               |
| Oxidizing properties         |                          | No information available |                               |

## Section 10

## Stability and Reactivity Data

|   |   |
|---|---|
| <b>Reactivity</b>                         | No data available.                                      |
| <b>Chemical Stability</b>                 | Stable under recommended storage conditions.            |
| <b>Possibility of Hazardous Reactions</b> | None under normal processing.                           |
| <b>Conditions to avoid</b>                | Heat, flames and sparks, extreme temperature conditions |
| <b>Incompatible materials</b>             | Heat, sparks, open flame, other ignition sources.       |
| <b>Hazardous Decomposition Products</b>   | Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ).     |

# Safety Data Sheet

## 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. |
| Eye Contact  | No irritant under normal use.  |
| Skin Contact | No irritant under normal use.  |
| Ingestion    | 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.

| Chemical Name       | Oral LD50   | Dermal LD50        | Inhalation LC50                   |
|---------------------|-------------|--------------------|-----------------------------------|
| Glycerin<br>56-81-5 | 12600 mg/kg | > 10 g/kg (Rabbit) | > 570 mg/m <sup>3</sup> (Rat) 1 h |

## 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.                                 |

# Safety Data Sheet

## 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.

# Safety Data Sheet

## Section 16

## Additional Information

| <u>HMIS</u> | Health Hazards | Flammability | Physical Hazards |
|-------------|----------------|--------------|------------------|
|             | 0              | 0            | 0                |

**Prepared by:** Technical Department  
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### 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**