

SAFETY DATA SHEET



1. IDENTIFICATION

Product identifier

Product Name SmartSan Alcohol-Free Foam Hand Sanitizer

Other means of identification

Hand Soap

Distributor Address

Best Sanitizers, Inc.
PO Box 1360
Penn Valley, CA 95946

Emergency telephone number

Emergency Phone Numbers For Transportation Emergencies, call Chemtrec:
1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

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 reasonably foreseeable use. Normal usages should not create hazardous conditions.

Appearance – Aqueous Solution	Physical State – Liquid	Odor – Mild Odor
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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, photoallergic 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)

Non-Applicable

Other Information

Unknown Acute Toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

Chemical Name	CAS No.	Weight %	Trade Secret
Glycerin	56-81-5	1-5%	*
Cocamidopropyle Betaine	61789-40-0	1-5%	*
Benzalkonium Chloride	68391-01-05	<1%	*

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

General Advice	Show this safety data sheet to the doctor in attendance.
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

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.

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.
Form emergency responders	Isolate area. Keep unnecessary personnel away.
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.

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Glycerin 56-81-5	-	15mg/m ³	-

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

Appropriate engineering controls

Engineering Measures 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 None needed under normal conditions.

Respiratory Protection If exposure limits are exceeded or irritation is experience, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators maybe required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Liquid			
Appearance	Aqueous solution		Odor	Mild Odor
Color	Green		Odor Threshold	No information available
	Property	Value	Remarks - Method	
	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		

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

Heat, Flames and sparks, extreme temperature conditions.

Incompatible materials

Heat, sparks, open flame, other ignition sources.

Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

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 Not 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 56-81-5	12600 mg/kg	>10g/kg (Rabbit)	> 570 mg/m ³ (Rat) 1H

12. Ecological Data

The product ingredients are expected to be safe for the environment at concentration 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.

13. DISPOSAL CONSIDERATIONS

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.

14. TRANSPORT INFORMATION

DOT

Non Hazardous

IATA

Non Hazardous

15. REGULATORY INFORMATION

Chemical 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

