

SmartSan Alcohol-Free Hand Sanitizer Foam

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.

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%

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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 (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

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.

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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.
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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 ³

Appropriate Engineering Controls

Engineering Controls	Showers, eyewash stations, ventilation system.
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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.

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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
<u>Property</u>		<u>Values</u>	<u>Remarks— Method</u>
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

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 (CO ₂).

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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 56-81-5	12600 mg/kg	> 10 g/kg (Rabbit)	> 570 mg/m ³ (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.

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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.

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Section 16

Additional Information

<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards
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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

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