

# SAFETY DATA SHEET



## 1. IDENTIFICATION

### Product identifier

**Product Name** SmartSan Hand Sanitizer Foam or ALPET E3 Hand Sanitizer Foam

### Other means of identification

Foaming Hand Sanitizer

### 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

OSHA Regulatory Status--This chemical is considered hazardous by the 2012 OSHA Hazard Communication, 29 CFR §1910.1200. This material is an Over-The-Counter consumer product that is safe for consumers/workplaces with intended and reasonable foreseeable use. Please follow label instructions. NOTE: Warnings below are for exposure to large quantities of the product. Normal usage should not create a hazardous condition.

Flammable liquids	Category 3
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### **Signal word**

**Warning**

### **Hazard statements**

Flammable liquid and vapor



**Appearance** Aqueous solution

**Physical State** Liquid

**Odor** Alcohol odor

### **Precautionary Statements - Prevention**

Keep away from heat/sparks/open flames/hot surfaces-----No Smoking.  
Do not use in eyes.  
Keep container tightly closed.  
Ground/bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting/equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Wear protective gloves/protective clothing/eye protection/face protection.

### **Precautionary Statements - 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 ON SKIN (or hair):** Remove/Take off immediately all contaminated clothing. Rinse skin (hair) with water/shower.

In case of fire: Use CO2, dry chemical, or foam for extinction.

### **Precautionary Statements - Storage**

Stored in a well-ventilated place. Keep Cool.

### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant.

## **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Weight %	Trade Secret
Ethyl alcohol	64-17-5	66-76	
Tertiary Butyl Alcohol	75-65-1	<0.1	
Remaining ingredients are non-hazardous and/or present at amounts below reportable limits and considered confidential.			

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

## **4. FIRST AID MEASURES**

### **First aid measures**

#### **Eye Contact**

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**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing and shoes before reuse. Get medical attention if irritation develops and persists.

#### **Inhalation**

Remove to fresh air. Immediate medical attention is not required.

#### **Ingestion**

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

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

#### **Most Important Symptoms and Effects**

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**

Dry Chemical, Water spray (fog), Carbon dioxide (CO<sub>2</sub>), Foam.

**Unsuitable Extinguishing Media**

No Information available.

**Specific Hazards Arising from the Chemical**

Flammable. Vapors may travel to source of ignition and flash back.

**Hazardous combustion products**

Carbon Monoxide. Carbon Dioxide (CO<sub>2</sub>).

**Explosion Data**

**Sensitivity to Mechanical Impact:**                      None.

**Sensitivity to Static Discharge:**                      May be ignited by friction, heat, sparks, or flames.

**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.

**For emergency responders**

Isolate area. Keep unnecessary personnel away.

**Environmental precautions**

**Environmental Precautions**

Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional ecological information.

**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**

Use clean non-sparking tools to collect absorbed material. May be ignited by friction, heat, sparks, or flames. Collect spillage. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Following product recovery, flush area with water.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Handling**

Keep away from heat sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors, and static electricity). Take precautionary measures against static discharges. 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. Avoid breathing vapors or mists. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions/  
Incompatible materials**

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.

Heat, sparks, open flame, other ignition sources. Reacts violently with strong oxidants such as nitric acid and silver nitrate causing fire and explosion hazard. Reacts slowly with calcium hypochlorite and ammonia causing fire and explosion hazard.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl Alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 980 mg/m3 (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m3	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m3

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 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. Apron 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.

**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**

<b>Formula:</b>	See Section 3	<b>Physical State</b>	Liquid
<b>Appearance:</b>	Aqueous solution	<b>Odor:</b>	Alcohol odor
<b>Color:</b>	Clear	<b>Odor Threshold:</b>	Not Determined

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks/ Method</u></b>
<b>pH</b>	No information available	±1 @ 21°C
<b>Melting/freezing point</b>	No Information available	

<b>Boiling point / boiling range</b>	No Information available	None known
<b>Flash Point</b>	25 °C / 77°F	None known
<b>Evaporation rate</b>	No Information available	None known
<b>Flammability (solid, gas)</b>	No Information available	None known
<b>Flammability Limits in Air</b>		
<b>Upper flammability limit</b>	19.0%	None known
<b>Lower flammability limit</b>	3.3%	None known
<b>Vapor pressure</b>	No Information available	None known
<b>Vapor density</b>	No Information available	None known
<b>Specific Gravity</b>	0.91	None known
<b>Water Solubility</b>	Soluble in water.	None known
<b>Partition coefficient:</b>	No Information available	None known
<b>Autoignition temperature</b>	No Information available	None known
<b>Decomposition temperature</b>	No Information available	None known
<b>Kinematic viscosity</b>	No Information available	None known
<b>Dynamic viscosity</b>	No Information available	None known
<b>Explosive properties</b>	No Information available	None known
<b>Oxidizing properties</b>	No Information available	None known

## 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. Reacts violently with strong oxidants such as nitric acid and silver nitrate causing fire and explosion hazard. Reacts slowly with calcium, hypochlorite and ammonia causing fire and explosion hazard.

### Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Nitrogen.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product information

<b>Inhalation</b>	Inhalation of vapors in high concentration may cause irritation of respiratory system.
<b>Eye Contact</b>	Irritating to eyes
<b>Skin Contact</b>	Prolonged contact may cause irritation.
<b>Ingestion</b>	May be harmful if swallowed.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg (Rat)	-	-
Ethyl alcohol 64-17-5	= 7060 mg/kg (Rat)	> 20000 mg/kg (Rabbit)	= 31623 ppm (Rat) 4 h

**Information on toxicological effects**

Symptoms	No information available
Sensitization	No Information Available
Germ cell mutagenicity	No Information Available
Carcinogenicity	IARC: Group 3 (Not classifiable as to its carcinogenicity to humans).
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

## 12. Ecological Data

**Ecotoxicity**

Chemical Name	Algae/Aquatic Plants	Fish	Crustacea
Ethyl Alcohol 64-17-5	12900: 96 h Oncorhynchus mykiss mL/L LC50	12-16.0: 96 h Oncorhynchus mykiss ms/L LC50 Static 100: 96 h Pimephales promelas ms/L LC50 static 13400-15100: 96 h Pimephales promelas ms/L LC50 flow-through	9268-14221: 48 h Daphnia magna mg/L LC50 24 h Daphnia magna mg/L EC50 48 h Daphnia magna mg/L EC50 Static

**Persistence and Degradability**

No Information Available.

**Bioaccumulation**

Chemical Name	Partition Coefficient
Ethyl Alcohol	-0.32

**Mobility in soil**

No information available.

**Other adverse effects**

No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal 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.

Chemical Name	California Hazardous Waste Status
Ethyl Alcohol 64-17-5	Toxic Ignitable

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**14. TRANSPORT INFORMATION****DOT**

**UN/ID/NA Number:** UN 1170

**Proper shipping name:** Ethanol Flammable liquids

**Hazard Class:** 3

**Packing group:** III

Limited Quantities for packages under 1 Liter

Exempt DOT SP 9275 for packages under 1 gallon

**15. REGULATORY INFORMATION****Chemical Inventories**

**TSCA**                      Complies

**DSL/NDSL**                Complies

**EINECS/ELINCS**        Complies

**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

**U.S. 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. Note: Isopropyl alcohol only needs to be reported if it is being manufactured by the strong acid process. Facilities that process or otherwise use isopropyl alcohol are NOT covered and should NOT file a report.

**SARA 311/312 Hazard Categories**

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	Yes
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). There may be specific reporting requirements at the local regional or state level pertaining to releases of this material.

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ethyl Alcohol 64-17-5	X	X	X

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not Applicable

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	Health Hazard 1	Flammability 3	Instability 0	<b>Physical &amp; Chemical Hazards</b> None
<b><u>HMIS</u></b>	Health Hazard 2	Flammability 3	Physical Hazard 0	<b>Personal Protection</b> B (safety glasses)

**Prepared By** Technical Department

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**General 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 a 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**