



SDS Report

Issue date: April 15, 2016

Service requested: Safety Data Sheet for the Product

Version: 1.0

Applicant: Sierra Health Inc

Product name: SIERRA SOFT ALCOHOL HAND SANTIZER FOAM, 1 L

Product use: hand cleaning and sterilizing

Job receiving date: April 08, 2016

Preparation period: April 11, 2016~ April 15, 2016

Composition/Ingredient: Refer to SDS content.

Issued by: Nande (China) Service of Testing
Yinfeng Ind Zone, Hangcheng Street, Gushu, Xixiang,
Bao'an Dist, Shenzhen, China

Written by: _____

(Linda)

Inspected by: _____

(Jose)

Approved by: _____

(Grealy)



Safety Data Sheet

Product name: SIERRA SOFT ALCOHOL HAND SANITIZER FOAM, 1L

SDS No.: E88.160.408.001.SHI Revision date: April 15, 2016

Section 1 - Product and Company Identification

Product name: SIERRA SOFT ALCOHOL HAND SANITIZER FOAM, 1 L

Model No.: 1L

Product code: HS881161

Trade: SIERRA SOFT

Applicant: Sierra Health Inc

Address: 187 W Orangethorpe Ave Suites C & D, Placentia, CA 92870 ,USA

Fax: 714-646-9006

Fax: 951-572-3766

Post code: 92870

E-mail: cwgcla@yahoo.com

Product used: hand cleaning and sterilizing

Section 2 – Hazard(s) Identification

2.1 GHS Classification: Not a hazardous substance or mixture.

2.2 Other hazards: None

Section 3 - Composition / Ingredient Data

Material	/ Mixture	
Chemical name	CAS No.	Concentration (%)
Water	7732-18-5	25.6%
Ethyl Alcohol	64-17-5	70%
Isopropyl Alcohol	67-63-0	0.1%
Propylene Glycol	57-55-6	0.1%
PEG-12 Dimethicone Crosspolymer	-	0.2%
Bis-PEG-12 Dimethicone	63148-62-9	4%



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Section 4 - First Aid Measures

- 4.1. General advice: Show this safety data sheet to the doctor in attendance.
 - 4.2. Skin contact: Flush contaminated skin with plenty of water. If irritation persists, seek medical/advice attention.
 - 4.3. Eyes contact: Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
 - 4.4. Inhalation: Move to fresh air. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.
 - 4.5. Ingestion: If swallowed: Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Immediately call a doctor/physician
 - 4.6. Most important acute and delayed symptoms/effects: The most important known symptoms and effects are described in section 11
 - 4.7. Immediate / special treatment: Treat symptomatically and supportively.
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Section 5 – Firefighting Measures

- 5.1. Hazardous characteristics: Not dangerous chemicals.
 - 5.2. Suitable extinguishing media: Use dry sand, dry chemical or CO₂ foam extinguishing. Water spray can be used to cool fire exposed containers/materials. Use extinguishing media most appropriate for the surrounding fire.
 - 5.3. Unsuitable extinguishing media: None known.
 - 5.3. Special hazards arising from the substance or mixture: Carbon oxides.
 - 5.4. Fire precautions and measures: Firefighters must wear self-contained breathing apparatus, wear full body fire suit, fire extinguishing in the upwind. As far as possible will be transferred to empty containers from the scene. Keep the fire water spray container cooling, until the end of fire.
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Section 6 - Accidental Release Measures

- 6.1. Personal precautions, protective equipment and emergency procedures: Isolation leakage zone. Ensure there is proper ventilation of the area. Recommended emergency personnel wearing protective equipment. Do not touch or walk through spilled material. As far as possible, shut off the leak source. To prevent leaks into water, sewers, basements or confined space. Avoid breathing vapor, mist or gas. In all operation, wear suitable protective equipment.
- 6.2. Environmental precautions: Prevent further leakage or spillage if safe to do so. To prevent leak into the water,



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sewage, the basement and limited space.

6.3. Collecting, clearing method and disposal material: Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13).

Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

Disposal: Contaminated material must be disposed of in accordance with all State and/or Local regulations.

Section 7 - Handling and Storage

7.1. Precautions for handling: Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes. Do not ingest. Avoid breathing vapour or mist.

7.2. Precautions for storage: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. Keep out of reach of children.

7.3. Packaging materials: Recommended-Use original container.

Section 8 - Exposure Controls/ Personal Protection

8.1. Exposure limit: Ethyl Alcohol: OSHA PEL (Gen Indu): 8H TWA 1000 ppm (1900 mg/m³).

Isopropyl Alcohol: ACGIH TLV-STEL 1230 mg/m³ (500 ppm), ACGIH TLV-TWA 983 mg/m³ (400 ppm),

OSHA PEL (Gen Indu): 8H TWA 400 ppm (980 mg/m³).



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- 8.2. Engineering control: The production process is sealed, general ventilation. Provide safety shower and eyewash equipment.
- 8.3. Respiratory protection: Use a respirator with an approved filter in high concentration environment.
- 8.4. Eye protection: Wear safety glasses when there is a potential for eye contact.
- 8.5. Skin and body Protection: Suitable protective clothing.
- 8.6. Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- 8.7. Remark: No specific protective equipment for product is required under normal use conditions.
- 8.8. Hygiene Measures: Avoid contact with eyes. Wash hands before breaks and at the end of work.

Section 9 - Physical and Chemical Properties

Appearance and shape: Liquid, transparent and colorless

Water soluble: Soluble in water

Odor: Smell of disinfectant

Flash point: No data

Melting point: No data

Explosion limit: Product is not explosive.

pH -value: No data

Flammability (solid, gas): Not applicable

Vapor pressure: No data

Vapor density: No data

Proportion: No data

Section 10 - Stability and Reactivity

- 10.1. Stability: Stable under normal temperature and normal use.
- 10.2. Possibility of hazardous reactions: No dangerous reaction is known under conditions of normal use.
- 10.3. Incompatible materials: Strong oxidizing agent.
- 10.4. Conditions to avoid: None known.
- 10.5. Hazardous polymerization: Will not occur.
- 10.6. Hazardous decomposition products: Carbon oxides.

Section 11 - Toxicological Information

11.1. Information on likely routines of exposure: Inhalation, eye contact, skin contact.

11.2. Potential Health Effects

Eyes: Cause of irritation.

Skin: Allergic persons to the substances contained, may be irritating to skin. Will not irritate to skin under normal conditions

Ingestion: Health injuries are not known or expected under normal use.

Inhalation: Health injuries are not known or expected under normal use.

Chronic exposure: Health injuries are not known or expected under normal use.

11.3. Experience with Human Exposure

Eye contact: Redness, irritation.

Skin contact: No symptoms known or expected.

Ingestion: No symptoms known or expected.

Inhalation: No symptoms known or expected.

11.4. Toxicity

Acute oral toxicity:

Ethyl Alcohol: Oral-rat LD50 7060mg/kg. Oral-mouse LD 50 3450mg/kg.

Isopropyl Alcohol: Oral-mouse LD50 3600mg/kg, Oral-rabbit LD 50 6410mg/kg.

Acute inhalation toxicity:

Ethyl Alcohol: Inhalation-rat LC50 20000ppm/10h. Inhalation-mouse LC50 39mg/m³/4h

Isopropyl Alcohol: Inhalation-rat LC 50 16000ppm/8h. Inhalation-mouse LC50 39mg/m³/4h.

Acute dermal toxicity: No data available.

Skin corrosion/irritation: No data available.

Serious eye damage/eye irritation:

Ethyl Alcohol: Mild eye irritation.

Isopropyl Alcohol: Eye-rabbit 100mg/24h, moderate, Standard Draize test.

Respiratory or skin sensitization: No data available.

11.5. Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by IARC.

OSHA: No ingredient of this product presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.



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Section 12 - Ecological Information

- 12.1. Ecotoxicity values: This material is not expected toxic to aquatic life.
- 12.2. Persistence and degradability: The organic part of the products are usually with natural biodegradable.
- 12.3 Bioaccumulative potential: The potential for bioaccumulation of this material in aquatic organisms is low.
- 12.4. Mobility in soil: Readily absorbed into soil.
- 12.5. Other adverse effects: Without government permission, do not dispose directly into rivers, watercourses or drains.

Section 13 - Disposal Considerations

- 13.1. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Consult state, local or national regulations for proper disposal. The generation of waste should be avoided or minimized wherever possible. Contaminated packaging material should be treated equivalent to residual chemical. Clean packaging material should be subjected to waste management schemes (recovery recycling, reuse) according to local legislation. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Refer to Section 7-Handling and Storage and Section 8-Exposure Controls/Personal Protection for additional handling information and protection of employees.

Section 14 - Transport Information

Regulations	IMDG Code	ADR/RID
UNNo.	Not regulated	Not regulated
Proper Shipping Name	Not regulated	Not regulated
Hazard Class	Not regulated	Not regulated
Packing Group	Not regulated	Not regulated
Packing method	Not regulated	Not regulated
Environmental hazards	All ingredients are not known marine pollutant according to IMDG Code (International Maritime Dangerous Goods Code) and environmentally hazardous substance according to AND (European Provisions Concerning the International Carriage of Dangerous Goods on Inland Waterway)	
Notes	No information	



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Section 15 - Regulatory Information

15.1. U.S. Federal regulations

TSCA (Toxic Substances Control Act): All ingredients in this product are either listed, or exempt from listing, on the TSCA Inventory.

CERCLA (Comprehensive Response Compensation, and Liability Act): Not Determined

SARA Title III (Superfund Amendments and Reauthorization Act): None

SARA 313 Reportable Ingredients: None.

Section 16 - Other Information

16.1. Legal disclaimer: The above information is believed to be correct but we can not guarantee the absolute universality and accuracy and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. the above-named supplier and its affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.