



Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Product name **Foaming Alcohol Hand Sanitizer**
Product code **ZUFHS**
Date of issue **03/16/09** **Supersedes**

Emergency Telephone Numbers

For MSDS Information:
 Compliance Services 404-352-1680

For Medical Emergency
 (877) 541-2016 Toll Free - All Calls Recorded

For Transportation Emergency
 CHEMTREC: (800) 424-9300 - All Calls Recorded
 In the District of Columbia (202) 483-7616

Prepared By
 Compliance Services
 1420 Seaboard Industrial Blvd.
 Atlanta, GA 30318

Section 2. Hazards Identification

Emergency overview

WARNING !

FLAMMABLE

Keep away from heat, sparks and flame. For external use only.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

*Hazard Determination System (HDS): Health, Flammability, Reactivity



Acute Effects

Routes of Entry

Dermal contact. Eye contact. Ingestion.

- Eyes** Direct contact may cause irritation, redness, lacrimation, and pain.
- Skin** This product is formulated for use on the skin.
- Inhalation** Inhalation unlikely in this form.
- Ingestion** May be harmful if swallowed. May cause mild gastric irritation, abdominal spasms, nausea and faintness.

No known chronic effects from exposure.

Carcinogenicity Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

<u>Name of Hazardous Ingredients</u>	<u>CAS number</u>	<u>% by Weight</u>
ETHANOL; ethyl alcohol; grain alcohol	64-17-5	62

Section 4. First Aid Measures

- Eye Contact** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention.
- Skin Contact** This product is formulated for use on the skin. Discontinue use if irritation and redness develop. If condition persists for more than 72 hours, consult a doctor.
- Inhalation** Inhalation unlikely in this form.
- Ingestion** Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A.)

- Flash Point** Closed cup: 22.222°C (72°F)
[Setaflash.]
- Flammable Limits** Not determined.
- Flammability** Flammable
- Fire hazard** Store and use away from heat, sparks, open flame or any other ignition source.
- Fire-Fighting Procedures** Use alcohol foam, water spray or fog.



Section 6. Accidental Release Measures

Spill Clean up Eliminate all ignition sources. Absorb with an inert material and place in an appropriate waste disposal container.

Section 7. Handling and Storage

Handling Keep away from heat, sparks and flame. Avoid contact with eyes. Keep out of the reach of children.

Storage Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8. Exposure Controls/Personal Protection**Product name**

ETHANOL; ethyl alcohol; grain alcohol

Exposure limits

ACGIH TLV / OSHA PEL (United States).

TWA: 1000 ppm 8 hour(s).

Personal Protective Equipment (PPE)

Eyes No special protection is required.

Body No special protective clothing is required.

Respiratory No special protection is required.

Section 9. Physical and Chemical Properties

Physical State Liquid.

Color Clear. Pale yellow.

pH 6.5 - 8.5

Odor Rubbing alcohol

Boiling Point Not determined.

Vapor Pressure Not determined.

Specific Gravity 0.88

Vapor Density Not determined.

Solubility Soluble in the following materials: cold water and hot water.

Evaporation Rate Not determined.

VOC (Consumer) 62.0%

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Incompatibility Reactive or incompatible with the following materials: oxidizing materials.

Hazardous Polymerization Will not occur.

Hazardous Decomposition Products Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological Information**Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Ethanol	LD50 Oral	Rat	7060 mg/kg	-
	LC50 Inhalation Vapor	Rat	20000 mg/m ³	4 hours

Section 12. Ecological Information

Environmental Effects No known significant effects or critical hazards.

Aquatic Ecotoxicity


Not available.

Section 13. Disposal Considerations**Waste Information**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

Waste Stream Code: D001
Classification: Ignitable hazardous waste.

Section 14. Transport Information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	UN1993	FLAMMABLE LIQUID, N.O.S. (Ethanol) or Consumer Commodity ORM-D in Limited Quantities	3	II	
TDG Classification					
IMDG Class	Not available.				

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

PG* : Packing group

Section 15. Regulatory Information**U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting:

No products were found.

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

State Regulations**California Prop 65**

No products were found.

Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.