

# Material Safety Data Sheet



Zep Inc.  
1310 Seaboard Industrial Blvd.  
Atlanta, GA 30318  
1-877-I-BUY-ZEP (428-9937)  
www.zep.com

## Section 1. Chemical Product and Company Identification

**Product name** ALCOHOL FOAM SAN  
**Product use** Hand sanitizer.  
**Product code** 1014  
**Date of issue** 01/07/08 **Supersedes**

### Emergency Telephone Numbers

**For MSDS Information:**  
Compliance Services 1-877-I-BUY-ZEP (428-9937)

**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

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## Section 2. Hazards Identification

### Emergency overview

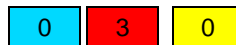
WARNING !

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.

**Chronic effects** 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

### Name of Hazardous Ingredients

ETHANOL; ethyl alcohol; grain alcohol

### CAS number

64-17-5

### % by Weight

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** Hydrogen fluoride and carbonyl fluoride, in case of fire or extreme heat.

**Section 11. Toxicological Information****Acute Toxicity****Product/ingredient name**

Ethanol

**Result**LD50 Oral  
LC50 Inhalation Vapor**Species**Rat  
Rat**Dose**7060 mg/kg  
20000 mg/m<sup>3</sup>**Exposure**-  
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
<b>DOT Classification</b>	UN1993	FLAMMABLE LIQUID, N.O.S. (Ethanol) or Consumer Commodity ORM-D in Limited Quantities	3	II	
<b>IMDG Class</b>	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.