

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 HAND SANITIZING GEL
Product use Hands Sanitizer.
Product code R109
Date of issue 09/23/14 **Supersedes** 05/11/09

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
1259 Seaboard Industrial Blvd.
Atlanta, GA 30318

Section 2. Hazards Identification

Emergency overview

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



CAUSES EYE IRRITATION. FLAMMABLE.

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.

Acute Effects **Routes of Entry** Eye contact. Inhalation.

Eyes Causes eye irritation. Inflammation of the eye is characterized by redness, watering and itching.

Skin No known acute effects of this product resulting from skin contact.

Inhalation Avoid breathing vapors of this product.

Ingestion May be harmful if swallowed. Ingestion may cause nausea, weakness and central nervous system effects.

Chronic effects No known chronic effects from exposure

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

Additional information: See toxicological information (Section 11)

Section 3. Composition/Information on Ingredients

| Name | CAS number | % |
|---------|------------|---------|
| ethanol | 64-17-5 | 55 - 65 |

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. Continue to rinse for at least 10 minutes. 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 Move exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

Section 5. Fire Fighting Measures

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

**Flash Point** Closed cup: 23.3°C (73.9°F)**Flammable Limits** Lower: 2%
Upper: 12%**Flammability** FLAMMABLE.**Fire hazard** Flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst.**Fire-Fighting Procedures** Use an extinguishing agent suitable for the surrounding fire. Fire-fighters should wear appropriate protective equipment.**Section 6. Accidental Release Measures****Spill Clean up** Eliminate all ignition sources. Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.**Section 7. Handling and Storage****Handling** For external use only. Keep away from heat, sparks and flame. Avoid contact with eyes. Do not breathe vapor or mist. Do not ingest. Apply this product only as specified on the label. Do not reuse container.**Storage** 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. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). Keep out of the reach of children.**Section 8. Exposure Controls/Personal Protection**

| Ingredient | Exposure limits |
|------------|--|
| ethanol | <p>ACGIH TLV (United States, 3/2012). STEL: 1000 ppm 15 minutes.</p> <p>OSHA PEL 1989 (United States, 3/1989). TWA: 1000 ppm 8 hours. TWA: 1900 mg/m³ 8 hours.</p> <p>NIOSH REL (United States, 1/2013). TWA: 1000 ppm 10 hours. TWA: 1900 mg/m³ 10 hours.</p> <p>OSHA PEL (United States, 6/2010). TWA: 1000 ppm 8 hours. TWA: 1900 mg/m³ 8 hours.</p> |

Personal Protective Equipment (PPE)**Eyes** No special protection is required.**Body** No special protection is required.**Respiratory** No special protection is required.**Section 9. Physical and Chemical Properties****Physical State** Viscous liquid.**Color** Clear. Colorless.**pH** Not applicable**Odor** Alcohol-like.**Boiling Point** >72.77°C (>163°F)**Vapor Pressure** Not determined.**Specific Gravity** 0.88**Vapor Density** >1 [Air = 1]**Solubility** Easily soluble in the following materials: cold water and hot water.**Evaporation Rate** >1 (butyl acetate = 1)**VOC (Consumer)** 60 % (w/w) 4.4 lbs/gal (527.9 g/l)**Section 10. Stability and Reactivity****Stability and Reactivity** The product is stable.**Incompatibility** Avoid contact with strong oxidizers, excessive heat, sparks or open flame.**Hazardous Polymerization** Under normal conditions of storage and use, hazardous polymerization will not occur.**Hazardous Decomposition Products** carbon oxides (CO, CO₂)

Section 11. Toxicological Information

| Product/ingredient name | Result | Species | Dose | Exposure |
|-------------------------|------------------------------------|------------|------------------------------------|--------------|
| ethanol | LC50 Inhalation Vapor LD50 Oral | Rat Rat | 124700 mg/m ³ 7 g/kg | 4 hours - |

Section 12. Ecological Information

Environmental Effects Not available.

Aquatic ecotoxicity

| Product/ingredient name | Result | Species | Exposure |
|-------------------------|---|---|----------------------------------|
| ethanol | Acute LC50 25500 µg/l Marine water Chronic NOEC 4.995 mg/l Marine water Chronic NOEC 0.375 µL/L Fresh water | Crustaceans - Artemia franciscana - Larvae Algae - Ulva pertusa Fish - Gambusia holbrookii - Larvae | 48 hours 96 hours 12 weeks |

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.

Origin: RCRA 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 or Limited quantity | 3 | III |  |
| IMDG Class | UN1993 | Flammable liquid, n.o.s. (ethanol) or Limited quantity | 3 | III |  |

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) 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**

None of the components are listed.

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.