

# 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** INSTANT HAND SANITIZER  
**Product use** Hand sanitizer.  
**Product code** L829  
**Date of issue** 11/13/09 **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

Printing date: 11/13/09

## Section 2. Hazards Identification

### Emergency overview

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

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.

### Acute Effects

#### Routes of Entry

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.

### Product/ingredient name

ACGIH

IARC

EPA

NIOSH

NTP

OSHA

None.

Additional Information: See Toxicological Information (Section 11)

## Section 3. Composition/Information on Ingredients

### Name of Hazardous Ingredients

### CAS number

### % by Weight

ETHANOL; ethyl alcohol; grain alcohol

64-17-5

62

ISOPROPYL ALCOHOL; ipa; dimethylcarbinol; 2-propanol

67-63-0

0 - 5

## 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.)



|                                 |  |
|---------------------------------|--|
| <b>Flash Point</b>              | Closed cup: 30°C (86°F)<br>[Setaflash.]  |
| <b>Flammable Limits</b>         | Not determined.  |
| <b>Flammability</b>             | Flammable  |
| <b>Fire hazard</b>              | Store and use away from heat, sparks, open flame or any other ignition source. |
| <b>Fire-Fighting Procedures</b> | Use alcohol foam, water spray or fog.  |

**Section 6. Accidental Release Measures**

|                       |   |
|-----------------------|---|
| <b>Spill Clean up</b> | Eliminate all ignition sources. Absorb with an inert material and place in an appropriate waste disposal container. |
|-----------------------|---|

**Section 7. Handling and Storage**

|                 |  |
|-----------------|--|
| <b>Handling</b> | Keep away from heat, sparks and flame. Avoid contact with eyes. Keep out of the reach of children.   |
| <b>Storage</b>  | 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

ISOPROPYL ALCOHOL; ipa; dimethylcarbinol; 2-propanol

**Exposure limits****ACGIH TLV / OSHA PEL (United States).**

TWA: 1000 ppm 8 hour(s).

**ACGIH TLV (United States).**

TWA: 200 ppm 8 hour(s).

**OSHA PEL (United States).**

TWA: 400 ppm 8 hour(s).

**ACGIH/OSHA (United States).**

STEL: 400 ppm 15 minute(s).

**Personal Protective Equipment (PPE)**

|                    |   |
|--------------------|---|
| <b>Eyes</b>        | No special protection is required.          |
| <b>Body</b>        | No special protective clothing is required. |
| <b>Respiratory</b> | No special protection is required.          |

**Section 9. Physical and Chemical Properties**

|                         |   |                         |                   |
|-------------------------|---|-------------------------|-------------------|
| <b>Physical State</b>   | Liquid. [Gel]   | <b>Color</b>            | Clear. Colorless. |
| <b>pH</b>               | Not available.  | <b>Odor</b>             | Citrus            |
| <b>Boiling Point</b>    | Not determined.   | <b>Vapor Pressure</b>   | Not determined.   |
| <b>Specific Gravity</b> | 0.89  | <b>Vapor Density</b>    | Not determined.   |
| <b>Solubility</b>       | Soluble in the following materials: cold water and hot water. | <b>Evaporation Rate</b> | Not determined.   |

**VOC (Consumer)****Section 10. Stability and Reactivity**

|   |  |
|---|--|
| <b>Stability and Reactivity</b>         | The product is stable.   |
| <b>Incompatibility</b>                  | Reactive or incompatible with the following materials: oxidizing materials.                          |
| <b>Hazardous Polymerization</b>         | Will not occur.  |
| <b>Hazardous Decomposition Products</b> | 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 <sup>3</sup> | 4 hours  |
| Isopropyl Alcohol       | LD50 Dermal           | Rabbit  | 5030 mg/kg              | -        |
|                         | LD50 Oral             | Rat     | 5045 mg/kg              | -        |
|                         | LC50 Inhalation Vapor | Rat     | 16000 ppm               | 4 hours  |

**Section 12. Ecological Information****Environmental Effects**

Not available.

**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,<br>N.O.S. (Ethanol) or Consumer<br>Commodity ORM-D in<br>Limited Quantities | 3       | II  |  |

**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.