

Safety Data Sheet



Superior Solutions

Zep, Inc.
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1-877-I-BUY-ZEP (428-9937)
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Section 1. Chemical Product and Company Identification

Product name INSTANT HAND SANITIZER
Product use Hands Sanitizer.
Product code 0878
Date of issue 06/20/14 **Supersedes** 06/26/07

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



FLAMMABLE.

For external use only. Keep away from heat, sparks and flame.
Keep out of reach of children.

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** Dermal contact, Eye contact.

Eyes Direct contact may cause irritation and redness. Avoid contact with eyes.

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

Inhalation No known acute effects of this product resulting from inhalation.

Chronic effects Contains material which may cause damage to the following organs: blood, the reproductive system, liver, upper respiratory tract, skin, eyes, central nervous system (CNS). Prolonged or repeated contact may dry skin and cause irritation.

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	60

Section 4. First Aid Measures

Eye Contact In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, get medical attention.

Skin Contact This product is formulated for use on the skin. If condition persist for more than 72 hours, consult a doctor.

Inhalation Adverse health effects are considered unlikely when the product is administered according to the label instructions. Get medical attention if adverse health effects persist or are severe.

Ingestion DO NOT swallow this product. If swallowed, do not induce vomiting. 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: 23.333°C (74°F) [Tagliabue.]
Flammable Limits	Lower: 2% Upper: 12%
Flammability	Flammable liquid. Gel structure inhibits combustibility of solvent.
Fire hazard	Flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.
Fire-Fighting Procedures	Use dry chemical, CO ₂ , water spray (fog) or foam. Fire-fighters should wear appropriate protective equipment.

Section 6. Accidental Release Measures

Spill Clean up	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
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Section 7. Handling and Storage

Handling	Avoid contact with eyes. Keep away from heat, sparks and flame.
Storage	Store between the following temperatures: 4.44 to 48.9°C (40 to 120°F). 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. Eliminate all ignition sources. 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 unlabeled containers. Keep out of reach of children.

Section 8. Exposure Controls/Personal Protection

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

Personal Protective Equipment (PPE)

Eyes	No special precautions are necessary if used as intended.
Body	No protective clothing is required under normal conditions of use.
Respiratory	A respirator is not needed under normal and intended conditions of product use.

Section 9. Physical and Chemical Properties

Physical State	Liquid. [Clear. Viscous liquid. Gel]	Color	Clear. Colorless.
pH	7 to 8	Odor	Lemon-like. [Slight]
Boiling Point	Not available.	Vapor Pressure	Not available.
Specific Gravity	0.894	Vapor Density	Not available.
Solubility	Easily soluble in the following materials: cold water and hot water.	Evaporation Rate	>1 (butyl acetate = 1)
		VOC (Consumer)	60 % (w/w) 4.48 lbs/gal (536.3 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, CO ₂)

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 ul/L Fresh water	Crustaceans - Artemia franciscana - Larvae Algae - Ulva pertusa Fish - Gambusia holbrooki - 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**

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.

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