



ZEP Manufacturing Company
 Acuity Specialty Products Group, Inc.
 P.O. Box 2015
 Atlanta, GA 30301
 1-877-I-BUY-ZEP (428-9937)

Material Safety Data Sheet and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name INSTANT HAND SANITIZER
Product Use Hand Sanitizer
Product Code 0908
Date of issue 11/10/04 **Supersedes** 06/16/00

Emergency Telephone Numbers For MSDS Information:
 Acuity Specialty Products Group, Inc.
Compliance Services 1-877-I-BUY-ZEP (428-9937)

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

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

Printing date: 11/10/04

Prepared by Compliance Services Group
 Acuity Specialty Products Group
 1420 Seaboard Industrial Blvd.
 Atlanta, GA 30318

Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
ETHANOL; ethyl alcohol; grain alcohol	64-17-5	62	OSHA (United States). TWA: 1000 ppm
ISOPROPYL ALCOHOL; ipa; dimethylcarbinol; 2-propanol	67-63-0	<5	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).

Section 3. Hazards Identification

Acute Effects **Routes of Entry** Ingestion.
Skin Non-irritating under conditions of use. Prolonged or repeated contact may dry skin and cause irritation.
Eyes Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.
Inhalation No known acute effects of this product resulting from inhalation.
Ingestion DO NOT swallow. Large quantities may cause nausea, upset stomach, loss of appetite.

HMIS

Health	1
Fire Hazard	3
Reactivity	0
Personal Protection	N/A


Carcinogenic Effects Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.
Chronic Effects The substance may be toxic to kidneys, liver, central nervous system (CNS), optic nerve. Repeated or prolonged exposure to the substance can produce target organs damage. Prolonged or repeated contact may dry skin and cause irritation. May be harmful by inhalation after often repeated exposure.

See Toxicological Information (section 11)

Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention.
Skin Contact This product is formulated for use on the skin, but should always be immediately rinsed off with plenty of water.
Inhalation No known acute effects of this product resulting from inhalation. If excessive quantities inhaled, remove to fresh air.
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 immediately.

Section 5. Fire Fighting Measures

Flash Point	Closed cup: 23.3°C (73.9°F). (Tagliabue.)	Flammable Limits LOWER: 2% UPPER: 12%	
Flammability	FLAMMABLE.		
Fire Hazard	Flammable liquid and vapor. Vapor may cause flash fire.		
Fire-Fighting Procedures	Use DRY chemicals, CO ₂ , alcohol foam. Wear special protective clothing and positive pressure, self-contained breathing apparatus.		

Section 6. Accidental Release Measures

Spill Clean up	Eliminate all ignition sources. Put on appropriate personal protective equipment (see Section 8). Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Product forms slippery surface when combined with water.
-----------------------	---

Section 7. Handling and Storage

Handling	Keep away from heat, sparks and flame. Keep container closed. Avoid contact with eyes. Apply this product only as specified on the label.
Storage	Store and use away from heat, sparks, open flame, or any other ignition source. Protect from freezing. Keep container tightly closed and dry. Keep out of the reach of children.

Section 8. Exposure Controls, Personal Protection

	Personal Protection	Protective Clothing (Pictograms)
Eyes	No special measures required.	
Body	No special measures required.	
Respiratory	No special measures required.	

Section 9. Physical and Chemical Properties

Physical State	Liquid. (Viscous liquid.)	Color	Clear. Colorless.
pH	Not available.	Odor	Pleasant. Citrus
Boiling Point	163°C (325.4°F)	Vapor Pressure	Not determined.
Specific Gravity	0.92 (Water = 1)	Vapor Density	Not determined.
Solubility	Not applicable.	Evaporation Rate	1.7 compared to Butyl acetate.
		VOC (Consumer)	596.97 (g/l). 4.98 lbs/gal 65.00%

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	Will not occur.
Hazardous Decomposition Products	carbon oxides (CO, CO ₂)

Section 11. Toxicological Information

Toxicity to Animals	Ethanol:
	ORAL (LD50): Acute: 7060 mg/kg [Rat].
	DERMAL (LD50): Acute: 2000 mg/kg [Rabbit].
	VAPOR (LC50): Acute: 3000 ppm 4 hour(s) [Rat].
	Isopropyl Alcohol:
	ORAL (LD50): Acute: 4700 mg/kg [Rat].
	DERMAL (LD50): Acute: 13000 mg/kg [Rabbit].
	VAPOR (LC50): Acute: 22500 ppm 8 hour(s) [Rat (Male)]. 19000 ppm 8 hour(s) [Rat (Female)].

Section 12. Ecological Information

Ecotoxicity	Not available.
Biodegradable/OECD	Not available.

Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.	Waste Stream Code: D001 Classification: - (Hazardous waste.)
--------------------------	--	--

Consult your local or regional authorities.

Section 14. Transport Information**Proper shipping name** Consumer Commodity**DOT Classification** ORM-D**UN number** Not available.**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.

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.