



**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** ZEPVENTURE  
**Product Use** Aerosol Cleaner Disinfectant and Deodorant  
**Product Code** 0043  
**Date of issue** 10/20/04 **Supersedes** 10/06/00  
 This product is a registered pesticide. Number: 1270-191  
**Emergency For MSDS Information:**  
**Telephone Numbers** 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: 10/20/04

**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
ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve	111-76-2	1 - 5	ACGIH TLV (United States). Skin TWA: 20 ppm 8 hour(s). Form: Vapor OSHA PEL (United States). Skin TWA: 25 ppm 8 hour(s). Form: Vapor Not established
2-(2-ETHOXYETHOXY)-ETHANOL; diethylene glycol monoethyl ether, ethoxydiglycol	111-90-0	1 - 5	Not established
TETRASODIUM ETHYLENEDIAMINE TETRAACETATE; ethylenediamine tetraacetic acid; tetrasodium salt	64-02-8	1 - 5	Not established
QUATERNARY AMMONIUM CHLORIDES; blend of alkyl dimethylbenzyl ammonium chlorides, alkyl dimethyl ethylbenzyl ammonium chlorides, and ethanol	68391-01-5; 68956-79-6; 64-17-5	<1	ACGIH TLV (United States). TWA: 1000 ppm 8 hour(s). OSHA PEL (United States). TWA: 1900 mg/m <sup>3</sup> 8 hour(s).
HYDROCARBON PROPELLANT; blend of propane, isobutane & n-butane	75-28-5; 74-98-6; 106-97-8	5 - 15	ACGIH TLV (United States). TWA: 800 ppm 8 hour(s). OSHA PEL (United States). TWA: 1000 ppm 8 hour(s).

### Section 3. Hazards Identification

**Acute Effects** **Routes of Entry** Dermal contact. Inhalation.  
**Skin** Hazardous in case of skin contact (irritant, permeator). Harmful if absorbed through the skin. Direct contact may cause irritation and redness. 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** Hazardous in case of inhalation (lung irritant). Over-exposure by inhalation may cause respiratory irritation.  
**Ingestion** Unlikely in this form.

#### HMIS

Health	1
Fire Hazard	0
Reactivity	0
Personal Protection	B

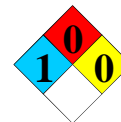
**Carcinogenic Effects** Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.  
**Chronic Effects** The substance may be toxic to blood, kidneys, liver. Prolonged or repeated contact may dry skin and cause irritation. Repeated or prolonged exposure to the substance can produce target organs damage.  
 See Toxicological Information (section 11)

**Section 4. First Aid Measures**

<b>Eye Contact</b>	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Ingestion</b>	Do NOT induce vomiting unless directed to do so by medical personnel. 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**

<b>Flash Point</b>	Not available.	<b>Flammable Limits</b>	Not available.
<b>Flammability</b>	Non-flammable. (CSMA)		
<b>Fire Hazard</b>	CONTENTS UNDER PRESSURE. Container explosion may occur under fire conditions or when heated.		
<b>Fire-Fighting Procedures</b>	Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion. Fire-fighters should wear proper protective equipment.		

**Section 6. Accidental Release Measures**

<b>Spill Clean up</b>	Large spills are unlikely due to packaging.
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**Section 7. Handling and Storage**

<b>Handling</b>	Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray mists. Use with adequate ventilation. Apply this product only as specified on the label. Wash thoroughly after handling.
<b>Storage</b>	CONTENTS UNDER PRESSURE. Do not puncture or incinerate. Store and use away from heat, sparks, open flame, or any other ignition source. Protect from temperature extremes and direct sunlight. Keep container in a cool, well-ventilated area. Do not store above 49°C (120.2°F). Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

**Section 8. Exposure Controls, Personal Protection**

	<b>Personal Protection</b>	<b>Protective Clothing (Pictograms)</b>
<b>Eyes</b>	Safety glasses.	
<b>Body</b>	Recommended: Rubber gloves. Neoprene gloves. Nitrile gloves.	
<b>Respiratory</b>	Avoid breathing vapors or spray mists. Use with adequate ventilation. A respirator is not needed under normal and intended conditions of product use.	

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid. (Aerosol.)	<b>Color</b>	Clear. Colorless.
<b>pH</b>	Not available.	<b>Odor</b>	Pine.
<b>Boiling Point</b>	98.9°C (210°F)	<b>Vapor Pressure</b>	Not determined.
<b>Specific Gravity</b>	1.09 (Water = 1)	<b>Vapor Density</b>	Not determined.
<b>Solubility</b>	Easily soluble in cold water, hot water.	<b>Evaporation Rate</b>	1 compared to Water
		<b>VOC (Consumer)</b>	76.17 (g/l). 0.64 lbs/gal 7.0%

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	The product is stable.
<b>Incompatibility</b>	Reactive with oxidizing agents.
<b>Hazardous Polymerization</b>	Will not occur.
<b>Hazardous Decomposition Products</b>	carbon oxides (CO, CO <sub>2</sub> )

**Section 11. Toxicological Information**

<b>Toxicity to Animals</b>	<b>Tetrasodium Ethylenediamine Tetraacetate :</b>
	ORAL (LD50): Acute: 3030 mg/kg [Rat].
	<b>Ethylene Glycol Monobutyl Ether:</b>
	ORAL (LD50): Acute: 1746 mg/kg [Rat]. 1519 mg/kg [Mouse].
	DERMAL (LD50): Acute: 435 mg/kg [Rabbit].
	VAPOR (LC50): Acute: 700 ppm 7 hour(s) [Mouse]. >633 ppm 1 hour(s) [Guinea pig].
	<b>Quaternary Ammonium Chlorides:</b>
	ORAL (LD50): Acute: 250 mg/kg [Rat].

**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, **Waste Stream** Non-regulated waste state and local environmental control regulations.**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:

Ethylene Glycol Monobutyl Ether

Diethylene Glycol Monoethyl Ether

Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 regulated toxic substances: Ethylene Glycol Monobutyl Ether; Diethylene Glycol Monoethyl Ether

**State Regulations**

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Diethylene Glycol Monoethyl Ether

**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.*