



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

# Material Safety Data Sheet and Safe Handling and Disposal Information

## Section 1. Chemical Product and Company Identification

**Product name** ZEPRESERVE AEROSOL  
**Product Use** Aerosol Penetrant Spray  
**Product Code** 0095  
**Date of issue** 02/12/04 **Supersedes** 02/04/00

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

**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

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

QUAIL RIDGE COUNTRY CLUB  
354 GREAT ROAD  
ACTON MA 01720

Printing date: 11/08/05

## Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
TRICHLOROETHYLENE; acetylene trichloride; 1-chloro-2,2-dichloroethylene	79-01-6	40-50	<b>ACGIH TLV (United States).</b> TWA: 50 ppm 8 hour(s). STEL: 100 ppm 15 minute(s). <b>OSHA PEL (United States).</b> TWA: 50 ppm 8 hour(s). STEL: 200 ppm 15 minute(s).
DIETHYLENE GLYCOL MONOBUTYL ETHER; 2-(2-butoxyethoxy)-ethanol; butyl carbitol	112-34-5	<10	Not established
2-ETHYL HEXYL ALCOHOL; 2-ethyl-1-hexanol; 2-ethylhexanol	104-76-7	<10	Not established

## Section 3. Hazards Identification

**Acute Effects** **Routes of Entry** Absorbed through skin. Inhalation.

**Skin** Hazardous in case of skin contact (irritant). Non-sensitizer for skin. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

**Eyes** Hazardous in case of eye contact (irritant). Liquid in eye may cause irritation with possible damage if not rinsed immediately.

**Inhalation** Hazardous in case of inhalation (lung irritant). Can cause central nervous system depression. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness, and nausea, and may lead to unconsciousness or death. Prolonged repeated exposure may cause chemical pneumonitis. Medical Conditions Aggravated by Overexposure: Respiratory, Heart (Cardiac).

**Ingestion** Aspiration hazard if swallowed- can enter lungs and cause damage.

HMIS	
Health	2
Physical Hazard	0
Reactivity	0
Personal Protection	B

**Carcinogenic Effects** Trichloroethylene - Classified + (Proven) by OSHA, Classified 2A (Probable for human) by IARC, Group 2 (Reasonably Anticipated To Be Human Carcinogen) by NTP

**Chronic Effects** The substance may be toxic to kidneys, liver, central nervous system (CNS), and heart. Repeated or prolonged exposure to the substance can produce target organs damage. Defatting to the skin. Prolonged skin contact may cause dermatitis with drying and cracking of skin.

See Toxicological Information (section 11)

**Section 4. First Aid Measures**

<b>Eye Contact</b>	Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention.
<b>Skin Contact</b>	Wash affected area with soap or mild detergent and water. Remove contaminated clothing and shoes. 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>	Aspiration hazard if swallowed- can enter lungs and cause damage. Do NOT induce vomiting unless directed to do so by medical personnel. If vomiting occurs, keep head lower than hips to help prevent aspiration. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Section 5. Fire Fighting Measures**

<b>Flash Point</b>	Not applicable.	<b>Flammable Limits</b> Not applicable.
<b>Flammability</b>	Non-flammable. (CSMA)	
<b>Fire Hazard</b>	Container explosion may occur under fire conditions or when heated. Thermal decomposition of product can produce toxic vapors of Hydrogen Chloride (HCl), Chlorine and Phosgene Gas.	
<b>Fire-Fighting Procedures</b>	In case of fire, use water spray (fog), foam, dry chemical, or CO <sub>2</sub> . Wear special protective clothing and positive pressure, self-contained breathing apparatus.	

**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>	Watch for accumulation in low confined areas. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray mists. Use only with adequate ventilation. Wash contaminated clothing before reusing. Wash thoroughly after handling. Vapor may cause flash fire. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to heat or sources of ignition.
<b>Storage</b>	Keep away from heat and direct sunlight. Keep container in a cool, well-ventilated area. Do not store above 49°C (120.2°F). Do not puncture or incinerate. Keep out of the reach of children.

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

	Personal Protection	Protective Clothing (Pictograms)
<b>Eyes</b>	Safety glasses.	
<b>Body</b>	Chemical resistant gloves. (Viton)	
<b>Respiratory</b>	Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Wear appropriate respirator when ventilation is inadequate.	

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Oily liquid. (Aerosol.)	<b>Color</b> Clear. Brown.
<b>pH</b>	Not applicable.	<b>Odor</b> Solvent-like.
<b>Boiling Point</b>	87.2°C (189°F)	<b>Vapor Pressure</b> Not determined.
<b>Specific Gravity</b>	1.07 (Water = 1)	<b>Vapor Density</b> Not determined.
<b>Solubility</b>	Insoluble in cold water, hot water.	<b>Evaporation Rate</b> 1
		<b>VOC (Consumer)</b> 49.9% 4.5 (lb/gal) 536 (g/l)

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	The product is stable.
<b>Incompatibility</b>	Avoid contact with strong oxidizers, excessive heat, sparks or open flame. Incompatible with some strong acids.
<b>Hazardous Polymerization</b>	Will not occur.
<b>Hazardous Decomposition Products</b>	Carbon Dioxide, Carbon Monoxide, Chlorine and Phosgene Gas.

**Section 11. Toxicological Information**

<b>Toxicity to Animals</b>	<b>Trichloroethylene:</b>
	ORAL (LD50): Acute: 4920 mg/kg [Rat]. 2402 mg/kg [Mouse].
	DERMAL (LD50): Acute: 29800 mg/kg [Rabbit].

**Section 12. Ecological Information**

<b>Ecotoxicity</b>	Not available.
<b>Biodegradable/OECD</b>	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: -D040  
Classification: - (Hazardous waste.)  
Origin: - (RCRA waste.)

Consult your local or regional authorities.

**Section 14. Transport Information**

**Proper shipping name** Consumer Commodity  
**DOT Classification** ORM-D  
**UN number** Not regulated.

**Section 15. Regulatory Information**

**U.S. Federal Regulations** SARA 313 toxic chemical notification and release reporting:  
Trichloroethylene  
Diethylene Glycol Monobutyl Ether (Glycol Ethers)  
Clean Water Act (CWA) 311: Trichloroethylene RQ 100 lbs. (45.36 kg)  
Clean air act (CAA) 112 regulated toxic substances: Trichloroethylene; Diethylene Glycol Monobutyl Ether (Glycol Ethers)

**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.*