



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** ZEP A-ONE  
**Product Use** Floor cleaning.  
**Product Code** 1269  
**Date of issue** 10/02/00 **Supersedes** 05/21/92

**Emergency Telephone Numbers** For MSDS Information:  
 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

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**Prepared by** Compliance Services Group  
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 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	<10	<b>ACGIH TLV (United States). Skin</b> TWA: 20 ppm 8 hour(s). Form: Vapor <b>OSHA PEL (United States). Skin</b> TWA: 25 ppm 8 hour(s). Form: Vapor
SODIUM METASILICATE; silicic acid (H2-Si-O3) disodium salt; water glass	6834-92-0	<10	<b>OSHA (United States). : 2 mg/m<sup>3</sup> Form: Dust</b>
TETRASODIUM ETHYLENEDIAMINE TETRAACETATE; ethylenediamine tetraacetic acid; tetrasodium salt	64-02-8	<10	Not established

### Section 3. Hazards Identification

**Acute Effects** **Routes of Entry** Dermal contact. Eye contact. Inhalation.  
**Skin** Hazardous in case of skin contact (irritant, permeator). Non-sensitizer for skin. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.  
**Eyes** Extremely hazardous in case of eye contact. Inflammation of the eye is characterized by redness, watering, and itching. Prolonged contact with eye tissue may cause severe and permanent eye injury (blindness).  
**Inhalation** Hazardous in case of inhalation. Over-exposure by inhalation may cause respiratory irritation.  
**Ingestion** No data on acute toxicity of the product when ingested.

#### HMIS

Health	2
Fire Hazard	0
Reactivity	0
Personal Protection	C

**Carcinogenic Effects** Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.  
**Chronic Effects** The substance may be toxic to blood, kidneys, liver. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation.

**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 immediately.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention.
<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 applicable.	<b>Flammable Limits</b>	Not applicable.
<b>Flammability</b>	Aqueous solutions are non-flammable.		
<b>Fire Hazard</b>	Not applicable.		
<b>Fire-Fighting Procedures</b>	Not applicable.		

**Section 6. Accidental Release Measures**

<b>Spill Clean up</b>	Put on appropriate personal protective equipment (see Section 8). Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. To clean the floor and all objects contaminated by this material, use detergent. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
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**Section 7. Handling and Storage**

<b>Handling</b>	Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapors or spray mists. Use only with adequate ventilation. Keep container closed. Wash thoroughly after handling. Wash contaminated clothing before reusing.
<b>Storage</b>	Keep away from incompatibles. Keep container tightly closed. Keep container in a cool, well-ventilated area. Store between 40°F - 120°F. Keep out of the reach of children.

**Section 8. Exposure Controls, Personal Protection****Personal Protection****Protective Clothing (Pictograms)**

<b>Eyes</b>	Splash goggles.	
<b>Body</b>	Neoprene, Nitrile, or Rubber gloves. Chemical resistant apron.	
<b>Respiratory</b>	Avoid breathing vapors or spray mists. Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.	

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid.	<b>Color</b>	Clear. Violet.
<b>pH</b>	12.5-13.0	<b>Odor</b>	Pleasant. (Strong.)
<b>Boiling Point</b>	104.44°C (220°F)	<b>Vapor Pressure</b>	Not available.
<b>Specific Gravity</b>	1.09 (Water = 1)	<b>Vapor Density</b>	Not available.
<b>Solubility</b>	Easily soluble in cold water, hot water.	<b>Evaporation Rate</b>	1 compared to Water
		<b>VOC (Consumer)</b>	5.0% 0.45 (lb/gal)

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	The product is stable.
<b>Incompatibility</b>	Reactive with oxidizing agents, acids.
<b>Hazardous Polymerization</b>	Will not occur.
<b>Hazardous Decomposition Products</b>	Carbon Dioxide, Carbon Monoxide and other organic materials.

**Section 11. Toxicological Information**

<b>Toxicity to Animals</b>	<b>Ethylene Glycol Monobutyl Ether :</b>
	ORAL (LD50): Acute: 1746 mg/kg [Rat]. 1519 mg/kg [Mouse]. 1414 mg/kg [Guinea pig].
	DERMAL (LD50): Acute: 435 mg/kg [Rabbit]. >2000 mg/kg [Guinea pig].
	VAPOR (LC50): Acute: 700 ppm 7 hour(s) [Mouse]. >633 ppm 1 hour(s) [Guinea pig]. >691 ppm 1 hour(s) [Guinea pig].
	<b>Sodium Metasilicate:</b>
	ORAL (LD50): Acute: 1280 mg/kg [Rat].
	<b>Tetrasodium Ethylenediamine Tetraacetate:</b>
	ORAL (LD50): Acute: 3030 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, state and local environmental control regulations. **Waste Stream** Code: D002  
Classification: - (Hazardous waste.)  
Origin: - (RCRA waste.)

Consult your local or regional authorities.

**Section 14. Transport Information****Proper shipping name** Not applicable.**DOT Classification** Not a DOT controlled material (United States).**UN number** Not regulated.**Section 15. Regulatory Information****U.S. Federal Regulations** SARA 313 toxic chemical notification and release reporting:  
Ethylene Glycol Monobutyl Ether (Glycol Ethers)

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

Clean air act (CAA) 112 regulated toxic substances: Ethylene Glycol Monobutyl 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.*