



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

# Material Safety Data Sheet and Safe Handling and Disposal Information

## Section 1. Chemical Product and Company Identification

**Product name** ZEP POWERHOUSE  
**Product Use** Aerosol Wax Floor Stripper  
**Product Code** 0282  
**Date of issue** 06/28/05 **Supersedes** 11/16/04

**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  
 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	10 - 20	ACGIH TLV / OSHA PEL (United States). TWA: 1000 ppm 8 hour(s).
ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve	111-76-2	<5	ACGIH TLV (United States). TWA: 20 ppm 8 hour(s). OSHA PEL (United States). Skin TWA: 50 ppm 8 hour(s).
MONOETHANOLAMINE; 2-aminoethanol; MEA	141-43-5	<5	OSHA PEL / ACGIH TLV (United States). TWA: 3 ppm 8 hour(s). OSHA /ACGIH (United States). STEL: 6 ppm 15 minute(s).
HYDROCARBON PROPELLANT; blend of propane, isobutane & n-butane	75-28-5; 74-98-6; 106-97-8	5 - 15	ACGIH TLV / OSHA PEL (United States). Notes: Propane TWA: 1000 ppm 8 hour(s). OSHA PEL / ACGIH TLV (United States). Notes: n-Butane TWA: 800 ppm 8 hour(s).

## Section 3. Hazards Identification

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

**Skin** Hazardous in case of skin contact (corrosive, permeator). Skin contact may produce burns. Harmful if absorbed through the skin.

**Eyes** Hazardous in case of eye contact (corrosive). Eye exposure may cause severe and permanent eye injury (blindness).

**Inhalation** Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Can cause central nervous system depression. Symptoms and signs include headaches, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Medical Conditions Aggravated by Overexposure: Respiratory

**Ingestion** Unlikely in this form.

### HMIS

Health	2
Fire Hazard	1
Reactivity	0
Personal Protection	B

**NOTE:** MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse health effects are lessened by following all prescribed safety precautions, including use of proper personal protective equipment.

### Carcinogenic Effects Chronic Effects

Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

The substance may be toxic to blood, kidneys, lungs, liver, gastrointestinal tract, upper respiratory tract, skin, eyes, central nervous system (CNS). 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. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. Over-exposure by inhalation or absorption can cause central nervous system depression. Symptoms and signs include headaches, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

**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. 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 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>	Closed cup: 29.4°C (85°F). (Tagliabue.)	<b>Flammable Limits</b> Not determined.
<b>Flammability</b>	Non-flammable. (CSMA)	
<b>Fire Hazard</b>	CONTENTS UNDER PRESSURE. Container explosion may occur under fire conditions or when heated. Cool closed containers exposed to fire with water.	
<b>Fire-Fighting Procedures</b>	Dry chemical, carbon dioxide, foam.	

**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. Do not ingest. Avoid breathing vapors or spray mists. Use only with adequate ventilation. Wash thoroughly after handling.
<b>Storage</b>	Keep away from incompatibles. Keep away from food, drink and animal feeding stuffs. Keep container in a cool, well-ventilated area. Keep away from heat and direct sunlight. 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**

	<b>Personal Protection</b>	<b>Protective Clothing (Pictograms)</b>
<b>Eyes</b>	Safety glasses.	
<b>Body</b>	Nitrile gloves. Neoprene gloves.	
<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 threshold limit value.	

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Aerosol. (Liquid fill)	<b>Color</b> Clear to white.
<b>pH</b>	11.0-11.3	<b>Odor</b> Pine.
<b>Boiling Point</b>	98.3°C (209°F)	<b>Vapor Pressure</b> Not determined.
<b>Specific Gravity</b>	0.97 (Water = 1)	<b>Vapor Density</b> Not determined.
<b>Solubility</b>	Easily soluble in cold water, hot water.	<b>Evaporation Rate</b> <1
		<b>VOC (Consumer)</b> 29.6% 2.39 lb/gal 286 g/l

**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 oxides (CO, CO <sub>2</sub> ) nitrogen oxides (NO, NO <sub>2</sub> ...)

**Section 11. Toxicological Information**

<b>Toxicity to Animals</b>	<b>Ethanol:</b>
	ORAL (LD50): Acute: 7060 mg/kg [Rat].
	<b>Ethylene Glycol Monobutyl Ether:</b>
	ORAL (LD50): Acute: 1746 mg/kg [Rat].
	DERMAL (LD50): Acute: 680 mg/kg [Rabbit].
	VAPOR (LC50): Acute: 450 ppm 4 hour(s) [Rat (Female)].
	<b>Monoethanolamine:</b>
	ORAL (LD50): Acute: 1720 mg/kg [Rat.].
	DERMAL (LD50): Acute: >1000 mg/kg [Rabbit].

**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:** - (Not applicable.) **Classification:** - (Non-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.**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.**Section 15. Regulatory Information****U.S. Federal Regulations** SARA 313 toxic chemical notification and release reporting:

Ethylene Glycol Monobutyl Ether

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

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

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.*