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# Material Safety Data Sheet and Safe Handling and Disposal Information

## Section 1. Chemical Product and Company Identification

**Product name** ZEP DAZZLE  
**Product use** Aerosol Cleaner Protectant  
**Product code** 0220  
**Date of issue** 06/24/05 **Supersedes** 04/26/05

**Emergency Telephone Numbers** **For MSDS Information:**  
Compliance Services 1-877-I-BUY-ZEP (428-9937)

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

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

Printing date: 06/23/08

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## 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	<b>ACGIH TLV / OSHA PEL (United States).</b> TWA: 1000 ppm 8 hour(s).
ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve	111-76-2	1 - 5	<b>ACGIH TLV (United States).</b> TWA: 20 ppm 8 hour(s). <b>OSHA PEL (United States). Skin</b> TWA: 50 ppm 8 hour(s).
HYDROCARBON PROPELLANT; blend of propane, isobutane & n-butane	75-28-5; 74-98-6; 106-97-8	5 - 15	<b>ACGIH TLV / OSHA PEL (United States).</b> <b>Notes: Propane</b> TWA: 1000 ppm 8 hour(s). <b>OSHA PEL / ACGIH TLV (United States).</b> <b>Notes: n-Butane</b> TWA: 800 ppm 8 hour(s).

## Section 3. Hazards Identification

### Acute Effects

**Routes of Entry** Dermal contact. Eye contact. Inhalation.

**Skin** Hazardous by the following route of exposure: of skin contact (irritant, permeator). Harmful if absorbed through the skin. Direct contact may cause irritation and redness.

**Eyes** Hazardous by the following route of exposure: of eye contact (irritant). Inflammation of the eye is characterized by redness, watering and itching.

**Inhalation** Hazardous by the following route of exposure: of inhalation. Avoid breathing vapors, spray or mists. Over-exposure by inhalation may cause respiratory irritation. Can cause central nervous system (CNS) depression.

**Ingestion** May be harmful if swallowed. Aspiration hazard if swallowed. Can enter lungs and cause damage.

**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.**

### HMIS

Health	1
Fire Hazard	1
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, upper respiratory tract, skin, eyes, central nervous system (CNS). Overexposure of this product by inhalation or absorption can produce central nervous system depression resulting in headache, nausea and/or dizziness. Repeated or prolonged exposure to the substance can produce target organs damage.

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 immediately.

### Skin Contact

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.

### Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

### Ingestion

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**

**Flash Point** Not applicable. **Flammable Limits** Not applicable.  
**Flammability** Non-flammable. (CSMA Method)  
**Fire hazard** CONTENTS UNDER PRESSURE. Container explosion may occur under fire conditions or when heated.



**Fire-fighting procedures** Cool closed containers exposed to fire with water.

**Section 6. Accidental Release Measures**

**Spill Clean up** Large spills are unlikely due to packaging.

**Section 7. Handling and Storage**

**Handling** Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapors, spray or mists. Use only with adequate ventilation. Observe label precautions. Wash thoroughly after handling.

**Storage** CONTENTS UNDER PRESSURE. Do not puncture or incinerate container. Keep container in a cool, well-ventilated area. Store below 120°F (49°C). Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

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

**Eyes** Safety glasses.

**Body** Recommended: Rubber gloves. Neoprene gloves. Nitrile gloves.

**Respiratory** Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Wear appropriate respirator when ventilation is inadequate.

**Section 9. Physical and Chemical Properties**

**Physical State** Liquid. (Aerosol.)

**Color** Clear. Colorless.

**pH** Not available.

**Odor** Pleasant. Fresh

**Boiling Point** >87.77°C (190°F)

**Vapor Pressure** Not determined.

**Specific Gravity** 0.85 (Water = 1)

**Vapor Density** Not determined.

**Solubility** Soluble in the following materials: cold water, hot water.

**Evaporation Rate** 1 compared with Water

**VOC (Consumer)** 237.67 (g/l). 1.98 lbs/gal 24.80%

**Section 10. Stability and Reactivity**

**Stability and Reactivity** The product is stable.

**Incompatibility** Reactive with oxidizing agents.

**Hazardous Polymerization** Will not occur.

**Hazardous Decomposition Products** carbon oxides (CO, CO<sub>2</sub>)

**Section 11. Toxicological Information****Toxicity to Animals**

**Ethanol:** <sup>^</sup>[25,45,50,70

ORAL (LD50): □ Acute: 7060 mg/kg [Rat].

**Ethylene Glycol Monobutyl Ether:** <sup>^</sup>[25,45,50,70

ORAL (LD50): □ Acute: 1746 mg/kg [Rat].

DERMAL (LD50): □ Acute: 680 mg/kg [Rabbit].

VAPOR (LC50): □ Acute: 450 ppm 4 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** 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.

**TDG Classification** Consumer commodity ORM-D

**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.

**WHMIS (Canada)**

Class D-2B: Material causing other toxic effects (Toxic).

**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.*