



ENFORCER Products, Inc.  
P.O. Box 1060  
Cartersville, GA 30120  
1-888-805-HELP

**Material Safety Data Sheet  
and Safe Handling and Disposal Information**

**Section 1. Chemical Product and Company Identification**

**Product Name** Zep Antibacterial Disinfectant & Cleaner

**Product Code** ZADC32/128 CN-DIS-32/128

**Formula No.** F0679 (EPA Reg# 1839-83-40849)

**Date of issue** 02/04/03

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**Emergency telephone number** **For MSDS Information:**  
Compliance Services (404) 352-1680

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

**For a Transportation Emergency:**  
CHEMTREC  
(800) 424-9300 (Toll Free - Calls Recorded)

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**Prepared by** Compliance Services Group  
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**Section 2. Composition, Information on Ingredients**

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
1) DIETHYLENE GLYCOL MONOBUTYL ETHER; 2-(2-butoxyethoxy)-ethanol; butyl carbitol	112-34-5	1-10	Not available.
2) TETRASODIUM ETHYLENEDIAMINE TETRAACETATE; ethylenediamine tetraacetic acid; tetrasodium salt	64-02-8	1-10	Not available.

**Section 3. Hazards Identification**

**Acute Effects**

**Routes of Entry** Eye contact. Ingestion.

**Eyes** Slightly hazardous in case of eye contact (irritant).

**Skin** May cause mild irritation with direct contact.

**Inhalation** Non-hazardous in case of inhalation.

**Ingestion** Slightly hazardous in case of ingestion.

**Chronic Effects** There is no known effect from chronic exposure to this product.

**Carcinogenic Effects** Not listed as carcinogen by OSHA, NTP or IARC.

See Toxicological Information (section 11)

**HMIS**

<b>Health</b>	<b>1</b>
<b>Fire Hazard</b>	<b>0</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>A</b>

**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 if irritation occurs.

**Skin Contact** Wash with soap and water. Get medical attention if irritation develops.

**Inhalation** Inhalation not likely under normal use conditions.

**Ingestion** Not harmful if accidentally ingested in small quantities.

**Section 5. Fire Fighting Measures**

**Flash Point** Not applicable.

**Flammable Limits** Not applicable.

**Flammability** Not available.

**Fire Hazard** Not applicable.

**Fire-Fighting Procedures** Not applicable.



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**Section 6. Accidental Release Measures**

**Spill Clean up** Small spills can be taken up with an absorbent and placed in clean dry containers for later disposal.

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**Section 7. Handling and Storage**

**Handling** No special precautions are necessary if used as intended.

**Storage** Keep container tightly closed. Keep container in a cool, well-ventilated area. Store above 40°F and below 120°F.

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

**Eyes** Safety glasses.

**Body** Protective gloves should be worn under prolonged conditions of use.



**Respiratory** No special protection is required.

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**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid.	<b>Color</b>	Green.
<b>pH</b>	11.7-12.4	<b>Odor</b>	Lemon like.
<b>Boiling Point</b>	104.44°C (220°F)	<b>Vapor Pressure</b>	Not available.
<b>Specific Gravity</b>	1.006 (Water = 1)	<b>Vapor Density</b>	Not available.
<b>VOC (Consumer)</b>	0.8 (g/l).	<b>Evaporation Rate</b>	Not available.
<b>Solubility</b>	Easily soluble in cold water, hot water.		

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**Section 10. Stability and Reactivity**

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

**Incompatibility** Do not mix with acids, ammonia, or other chemical.

**Hazardous Decomposition Products** Not applicable.

**Hazardous Polymerization** Will not occur.

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**Section 11. Toxicological Information****Toxicity to Animals****Diethylene glycol monobutyl ether:**

ORAL (LD50): Acute: 6560 mg/kg [Rat.].

**Tetrasodium EDTA:**

ORAL (LD50): Acute: 3030 mg/kg [Rat.].

**Chronic Effects on Humans** There is no known effect from chronic exposure to this product.

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**Section 12. Ecological Information**

**Ecotoxicity** Not available.

**Biodegradable/OECD** Not available.

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**Section 13. Disposal Considerations**

**Waste Information** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**Waste Stream** Code: Non- Hazardous  
Classification: Non-Hazardous  
Origin: RCRA

**Consult your local or regional authorities.**

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**Section 14. Transport Information**

**Proper shipping name** Not applicable.

**DOT Classification** Not a DOT controlled material (United States).

**UN number** Not applicable.

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**TDG Classification** Not a TDG controlled material.

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**Section 15. Regulatory Information**

**U.S. Federal Regulations** SARA 313 toxic chemical notification and release reporting: Diethylene glycol monobutyl ether

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

Clean air act (CAA) 112 regulated toxic substances: Diethylene glycol monobutyl ether

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**State Regulations** California prop. 65: No products were found.

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**WHMIS (Canada)** Class D-2B: Material causing other toxic effects (TOXIC).

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**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.*