



ENFORCER Products  
 A Division of Acuity Specialty Products Group,  
 Inc.  
 P.O. Box 1060  
 Cartersville, GA 30120  
 1-888-805-HELP  
 www.zepcommercial.com

# Material Safety Data Sheet and Safe Handling and Disposal Information

## Section 1. Chemical Product and Company Identification

**Product name** Zep No Rinse Floor Disinfectant

**Product Code** ZNRS128

**Date of issue** 08/19/05 **Supersedes**

This product is a registered pesticide. Number: 1839-168-40849

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

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

**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
QUATERNARY AMMONIUM CHLORIDES; Blend of Alkyl dimethyl ammonium chloride, dimethyl benzyl ammonium chloride, Ethanol	68424-95-3, 68424-85-1, 64-17-5	1 - 5	Not established
TETRASODIUM ETHYLENEDIAMINE TETRAACETATE; ethylenediamine tetraacetic acid; tetrasodium salt	64-02-8	1 - 5	Not established

## Section 3. Hazards Identification

**Acute Effects** **Routes of Entry** Dermal contact. Eye contact.

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

**Eyes** Hazardous in case of eye contact (corrosive). Direct contact with the eyes can cause irreversible damage including blindness.

**Inhalation** Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Over-exposure by inhalation may cause respiratory irritation.

**Ingestion** Harmful if swallowed. May cause burns to mouth, throat and stomach.

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

**Chronic Effects** 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.

**See Toxicological Information (section 11)**

### HMIS

<b>Health</b>	<b>2</b>
<b>Fire Hazard</b>	<b>0</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>D</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 immediately. Finish by rinsing thoroughly with running water to avoid a possible infection.

**Skin Contact** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes 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. Get medical attention immediately.

**Section 5. Fire Fighting Measures**

**Flash Point** Not applicable.  
**Flammability** Non-flammable.  
**Fire Hazard** Not applicable.  
**Fire-Fighting Procedures**

**Flammable Limits** Not applicable.



Use an extinguishing agent suitable for surrounding fires. Fire-fighters should wear proper protective equipment. Do not release runoff from fire to sewers or waterways.

**Section 6. Accidental Release Measures**

**Spill Clean up** 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.

**Section 7. Handling and Storage**

**Handling** Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray mists. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. Do not reuse product container. Apply this product only as specified on the label.

**Storage** Keep container tightly closed. Keep container in a cool, well-ventilated area. Store below 120°F. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

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

**Eyes** Chemical splash goggles or face shield.  
**Body** Wear appropriate protective clothing to prevent skin contact. Nitrile gloves. Rubber gloves. Neoprene gloves.

**Protective Clothing (Pictograms)**

**Respiratory** A respirator is not needed under normal and intended conditions of product use.

**Section 9. Physical and Chemical Properties**

**Physical State** Liquid.  
**pH** 6.0 - 7.0  
**Boiling Point** 100°C (212°F)  
**Specific Gravity** 1.01 (Water = 1)  
**Solubility** Easily soluble in cold water, hot water.

**Color** Clear. Colorless.

**Odor** Pleasant.

**Vapor Pressure** Not determined.

**Vapor Density** Not determined.

**Evaporation Rate** 1 compared to Water

**VOC (Consumer)** 5.04 (g/l). 0.04 lb/gal 0.5%

**Section 10. Stability and Reactivity**

**Stability and Reactivity** The product is stable.  
**Incompatibility** Not available.  
**Hazardous Polymerization** Will not occur.  
**Hazardous Decomposition Products** carbon oxides (CO, CO<sub>2</sub>)

**Section 11. Toxicological Information**

**Toxicity to Animals** **QUATERNARY AMMONIUM CHLORIDES:**  
 ORAL (LD50): Acute: >500 mg/kg [Rat].  
 DERMAL (LD50): Acute: >2000 mg/kg [Rabbit].  
**Tetrasodium Ethylenediamine Tetraacetate :**  
 ORAL (LD50): Acute: 3030 mg/kg [Rat].

**Section 12. Ecological Information**

**Ecotoxicity** Toxic to aquatic organisms. Prevent water from entering water ways and drains.  
**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-regulated waste

**Consult your local or regional authorities.**

**Section 14. Transport Information**

**Proper shipping name** Not regulated.  
**DOT Classification** Not a DOT controlled material (United States).  
**UN number** Not regulated.  
**TDG Classification** Not a TDG controlled material.

**Section 15. Regulatory Information****U.S. Federal Regulations** SARA 313 toxic chemical notification and release reporting:

No products were found.

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

Clean air act (CAA) 112 regulated toxic substances: No products were found.

**State Regulations**

California prop. 65: No products were found.

**WHMIS (Canada)**

Class D-1B: Material causing immediate and serious 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.*