

# Material Safety Data Sheet



Zep Inc.  
1310 Seaboard Industrial Blvd.  
Atlanta, GA 30318  
1-877-793-7776

## Section 1. Chemical Product and Company Identification

**Product name** Z-TREAD HIGH SOLIDS FLOOR FINISH  
**Product use** Floor Finish  
**Product code** R037  
**Date of issue** 08/07/08 **Supersedes**

### Emergency Telephone Numbers

**For MSDS Information:**  
Compliance Services 1-877-793-7776

**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

**Prepared By**  
Compliance Services  
1420 Seaboard Industrial Blvd.  
Atlanta, GA 30318

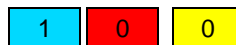
## Section 2. Hazards Identification

### Emergency overview

WARNING !

CAUSES EYE IRRITATION.

\*Hazard Determination System (HDS): Health, Flammability, Reactivity



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

### Acute Effects

#### Routes of Entry

Dermal contact. Inhalation.

**Eyes** Causes eye irritation. Inflammation of the eye is characterized by redness, watering and itching.

**Skin** May cause skin irritation. Skin inflammation is characterized by itching, scaling, or reddening.

**Inhalation** Avoid inhalation of vapor, spray or mist. Over-exposure by inhalation may cause respiratory irritation. Can cause central nervous system (CNS) depression.

**Ingestion** May be harmful if swallowed. Can cause gastrointestinal disturbances.

### Chronic effects

Contains material which may cause damage to the following organs: kidneys, liver, central nervous system (CNS).

**Additional Information: See Toxicological Information (Section 11)**

## Section 3. Composition/Information on Ingredients

### Name of Hazardous Ingredients

### CAS number

### % by Weight

|   |          |        |
|---|----------|--------|
| 2-(2-ETHOXYETHOXY)-ETHANOL; diethylene glycol monoethyl ether, ethoxydiglycol | 111-90-0 | 1 - 10 |
|---|----------|--------|

## Section 4. First Aid Measures

**Eye Contact** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention immediately.

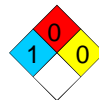
**Skin Contact** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops.

**Inhalation** Move exposed person to fresh air. If irritation persists, get medical attention.

**Ingestion** Do not induce vomiting unless directed to do so by medical personnel. If affected person is conscious, give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Section 5. Fire Fighting Measures**

National Fire Protection Association (U.S.A.)



|                                 |   |
|---------------------------------|---|
| <b>Flash Point</b>              | None.   |
| <b>Flammable Limits</b>         | Not available.  |
| <b>Flammability</b>             | Non-combustible.  |
| <b>Fire hazard</b>              | In a fire or if heated, a pressure increase will occur and the container may burst. |
| <b>Fire-Fighting Procedures</b> | Use an extinguishing agent suitable for the surrounding fire.                       |

**Section 6. Accidental Release Measures**

**Spill Clean up** Put on appropriate personal protective equipment (see section 8). Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.

**Section 7. Handling and Storage**

|                 |   |
|-----------------|---|
| <b>Handling</b> | Put on appropriate personal protective equipment (see section 8). Avoid contact with eyes, skin and clothing. Avoid breathing vapors, spray or mists. Do not ingest. Do not reuse container. Observe label precautions. Wash thoroughly after handling.                             |
| <b>Storage</b>  | Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). Keep out of the reach of children. |

**Section 8. Exposure Controls/Personal Protection****Product name****Exposure limits**

No exposure limit value known.

**Personal Protective Equipment (PPE)**

|                    |   |
|--------------------|---|
| <b>Eyes</b>        | Safety glasses.   |
| <b>Body</b>        | For prolonged or repeated handling, use the following type of gloves: Neoprene gloves. Nitrile gloves. Rubber gloves. |
| <b>Respiratory</b> | Use with adequate ventilation. No special protection is required.   |

**Section 9. Physical and Chemical Properties**

|                         |  |                         |                   |
|-------------------------|--|-------------------------|-------------------|
| <b>Physical State</b>   | Liquid.  | <b>Color</b>            | Milky-white       |
| <b>pH</b>               | 8.0 - 8.5  | <b>Odor</b>             | Mild. Ammoniacal. |
| <b>Boiling Point</b>    | 101.67°C (215°F)   | <b>Vapor Pressure</b>   | Not determined.   |
| <b>Specific Gravity</b> | 1.04   | <b>Vapor Density</b>    | Not determined.   |
| <b>Solubility</b>       | Easily soluble in the following materials: cold water and hot water. | <b>Evaporation Rate</b> | 1 (Water = 1)     |
|                         |  | <b>VOC (Consumer)</b>   | 0 (g/l).          |

**Section 10. Stability and Reactivity**

|   |  |
|---|--|
| <b>Stability and Reactivity</b>         | The product is stable.   |
| <b>Incompatibility</b>                  | Keep away from heat and direct sunlight. Reactive or incompatible with the following materials: oxidizing materials and acids. |
| <b>Hazardous Polymerization</b>         | Will not occur.  |
| <b>Hazardous Decomposition Products</b> | carbon oxides (CO, CO <sub>2</sub> )   |

**Section 11. Toxicological Information****Acute Toxicity**

| Product/ingredient name           | Result                | Species | Dose        | Exposure |
|-----------------------------------|-----------------------|---------|-------------|----------|
| Diethylene Glycol Monoethyl Ether | LD50 Dermal           | Rabbit  | 9143 mg/kg  | -        |
|                                   | LD50 Oral             | Rat     | 10502 mg/kg | -        |
|                                   | LD50 Oral             | Mouse   | 6301 mg/kg  | -        |
|                                   | LC50 Inhalation Vapor | Rat     | >200 mg/L   | 1 hours  |

**Section 12. Ecological Information****Environmental Effects** No known significant effects or critical hazards.**Aquatic Ecotoxicity**

Not available.

**Section 13. Disposal Considerations****Waste Information**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

**Waste Stream** Non-hazardous waste**Section 14. Transport Information****Regulatory information**    **UN number**    **Proper shipping name**    **Classes**    **PG\***    **Label**

|                           |                 |  |  |  |  |
|---------------------------|-----------------|--|--|--|--|
| <b>DOT Classification</b> | Not regulated.  | Not a DOT controlled material (United States). |  |  |  |
| <b>IMDG Class</b>         | Not determined. |  |  |  |  |

**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.

PG\* : Packing group

**Section 15. Regulatory Information****U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting:

**Product name**

No products were found.

**Clean Water Act (CWA) 307:** No products were found.**Clean Water Act (CWA) 311:** No products were found.**Clean Air Act (CAA) 112 regulated toxic substances:** Diethylene Glycol Monoethyl Ether

All Components of this product are listed or exempt from listing on TSCA Inventory.

**State Regulations****California Prop 65****WARNING:** This product contains a chemical or chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.:  
Ethylene Glycol Monoethyl 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.*\*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.