

Material Safety Data Sheet



Superior Solutions

Zep Inc.
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1-877-I-BUY-ZEP (428-9937)
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Section 1. Chemical Product and Company Identification

Product name ZEP SOLO
Product use Floor Finish and Sealer
Product code 1070
Date of issue 07/14/08 **Supersedes** 01/21/05

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

2327



SANFORD ELEMENTARY
412 S 13TH ST
MONTEVIDEO MN 56265-2060

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Section 2. Hazards Identification

Emergency overview

WARNING !

CAUSES EYE IRRITATION.

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

1 0 0

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

Eye contact.

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 Over-exposure by inhalation may cause respiratory irritation.
Ingestion No data on acute toxicity of the product when ingested.

Chronic effects

Prolonged or repeated contact may dry skin and cause irritation. Contains material which may cause damage to the following organs: kidneys, liver.

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

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

2-(2-ETHOXYETHOXY)-ETHANOL; diethylene glycol monoethyl ether, ethoxydiglycol	111-90-0	1 - 10
DIPROPYLENE GLYCOL METHYL ETHER; dipropylene glycol monomethyl ether	34590-94-8	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 Rinse with plenty of running water. Remove contaminated clothing and shoes. 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 vomiting occurs, the head should be kept low so that vomit does not enter the lungs. 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

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



Flash Point None.

Flammable Limits Not applicable

Flammability Non-combustible.

Fire hazard In a fire or if heated, a pressure increase will occur and the container may burst.

Fire-Fighting Procedures 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

Handling Put on appropriate personal protective equipment (see section 8). Do not get in eyes or on skin or clothing. Use with adequate ventilation. Do not ingest. Do not reuse container. Wash thoroughly after handling.

Storage Keep container tightly closed. Protect from freezing. 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**

DIPROPYLENE GLYCOL METHYL ETHER; dipropylene glycol monomethyl ether

Exposure limits

ACGIH TLV (United States, 2003). Skin

TWA: 100 ppm 8 hour(s).

STEL: 150 ppm 15 minute(s).

OSHA PEL (United States, 2003). Skin

TWA: 100 ppm 8 hour(s).

Personal Protective Equipment (PPE)

Eyes Safety glasses.



Body For prolonged or repeated handling, use gloves. Recommended: Neoprene gloves. Nitrile gloves. Rubber 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.

Section 9. Physical and Chemical Properties

Physical State Liquid.

Color Milky-white

pH 8.0 - 9.0

Odor Mild. Ammoniacal.

Boiling Point 38.889°C (102°F)

Vapor Pressure Not determined.

Specific Gravity 1.02

Vapor Density Not determined.

Solubility Easily soluble in the following materials: cold water and hot water.

Evaporation Rate 1 compared with Water

VOC (Consumer) 22.69 (g/l). 0.19 lbs/gal (2.25%)

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Incompatibility Slightly reactive or incompatible with the following materials: oxidizing materials and acids.

Hazardous Polymerization Will not occur.

Hazardous Decomposition Products carbon oxides (CO, CO₂), styrene and acrylic monomers

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
Dipropylene Glycol Methyl Ether	LD50 Dermal	Rabbit	13000 mg/kg	-
	LD50 Oral	Rat	5220 mg/kg	-

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
DOT Classification	Not regulated.	None.			
IMDG Class	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

Diethylene Glycol Monoethyl Ether

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: No products were found.

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.

