

# 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** CARPET PRE-TREATMENT SOLUTION  
**Product use** Carpet Pretreatment  
**Product code** R012  
**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

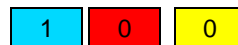
**Prepared By**  
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1420 Seaboard Industrial Blvd.  
Atlanta, GA 30318

## Section 2. Hazards Identification

### Emergency overview

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

WARNING !



CAUSES EYE AND SKIN IRRITATION. HARMFUL IF INHALED OR ABSORBED THROUGH SKIN.

**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

Absorbed through skin. Eye contact. Inhalation.

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

**Skin** Causes skin irritation. May be harmful if absorbed through the skin. 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** Can cause gastrointestinal disturbances.

### Chronic effects

Overexposure of this product by inhalation or absorption can produce central nervous system depression resulting in headache, nausea and/or dizziness. Contains material which may cause damage to the following organs: blood, kidneys, liver, upper respiratory tract, skin, eyes, central nervous system (CNS).

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

## Section 3. Composition/Information on Ingredients

### Name of Hazardous Ingredients

Name of Hazardous Ingredients	CAS number	% by Weight
ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve	111-76-2	1 - 10
NONYLPHENOXY POLY(ETHYLENEOXY) ETHANOL - npe; poly(oxy-1,2-ethanediyl) alpha-(nonylphenyl)-omega-hydroxy	9016-45-9	1 - 5

## 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.

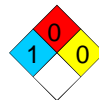
**Skin Contact** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Wash clothing before reuse. Get medical attention if irritation develops.

**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 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.)



<b>Flash Point</b>	None.
<b>Flammable Limits</b>	Not applicable
<b>Flammability</b>	Non-flammable.
<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. Wash thoroughly after handling. Do not reuse container.
<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. Keep container tightly closed and sealed until ready for use. 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**

ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve

**Exposure limits**

ACGIH TLV (United States).  
TWA: 20 ppm 8 hour(s). Form:  
OSHA PEL (United States). Skin  
TWA: 50 ppm 8 hour(s). Form:

**Personal Protective Equipment (PPE)**

<b>Eyes</b>	Safety glasses.
<b>Body</b>	Wear appropriate protective clothing to prevent skin contact. Recommended: Rubber gloves. Nitrile gloves. Neoprene gloves.
<b>Respiratory</b>	Use with adequate ventilation. Avoid breathing vapors, spray or mists.

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid. [Thin liquid]	<b>Color</b>	Clear. Colorless.
<b>pH</b>	7.0 - 8.0	<b>Odor</b>	Butyl acetate.
<b>Boiling Point</b>	104.44°C (220°F)	<b>Vapor Pressure</b>	Not determined.
<b>Specific Gravity</b>	1	<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>	75.07 (g/l). 0.63 lbs/gal (7.52%)

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	The product is stable.
<b>Incompatibility</b>	Reactive or incompatible with the following materials: 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
Ethylene Glycol Monobutyl Ether	LD50 Dermal	Rabbit	680 mg/kg	-
	LD50 Oral	Rat	1746 mg/kg	-
	LC50 Inhalation Vapor	Rat	450 ppm	4 hours
Nonylphenoxy(Ethyleneoxy)Ethano	LD50 Dermal	Rabbit	2000 mg/kg	-
	LD50 Oral	Rat	3310 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** Code: - (Not applicable.)  
Classification: - (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**

Ethylene Glycol Monobutyl 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: 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.**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.