Safety Data Sheet

Zep, Inc.
1310 Seaboard Industrial Blvd.
Atlanta, GA 30318
1-877-I-BUY-ZEP (428-9937)
www.zep.com

Section 1. Chemical Product and Company Identification

Product name Clean'Ems Upholstery & Carpet Spotter Towels

Product use Cleaning Towelette

Product code 6379

Date of issue 04/22/14 **Supersedes** 04/17/14

Emergency Telephone Numbers

For MSDS Information:
Compliance Services 1-877-I-BUY-ZEP (428-9937)

For Medical Emergency
(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
1259 Seaboard Industrial Blvd.
Atlanta, GA 30318

Section 2. Hazards Identification

Emergency overview

WARNING !

CAUSES EYE IRRITATION. HARMFUL IF ABSORBED THROUGH SKIN.

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

1	1	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** Dermal contact.

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

Skin May cause skin irritation. Harmful if absorbed through the skin. Skin inflammation is characterized by itching, scaling, or reddening.

Inhalation Inhalation of high concentrations of vapor may affect the central nervous system.

Ingestion Unlikely in this form.

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).

Carcinogenicity Classification Not listed as a carcinogen by OSHA, NTP or IARC.

Product/ingredient name	OSHA	IARC	NTP	ACGIH	EPA	NIOSH
Not available.						

Additional information: See toxicological information (Section 11)

Section 3. Composition/Information on Ingredients

Name	CAS number	%
Butoxydiglycol; 2-(2-butoxyethoxy)ethanol	112-34-5	10-20
Butoxyethanol; 2-butoxyethanol	111-76-2	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. Get medical attention immediately.

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

Inhalation Remove to fresh air. If irritation persists, get medical attention.

Ingestion Unlikely in this form. If swallowed, seek medical advice immediately and show this container or label.

Section 5. Fire Fighting Measures

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

Flash Point Closed cup: 87.77°C (190°F). (Tagliabue.) (For liquid form)

Flammable Limits Not available.

Flammability Combustible liquid.

Fire hazard May ignite when exposed to heat or flame.

Fire-Fighting Procedures Use an extinguishing agent suitable for the surrounding fire.

Section 6. Accidental Release Measures

Spill Clean up Spills are unlikely due to packaging. Unusable or contaminated product should be collected and stored in a suitable waste container.

Section 7. Handling and Storage

Handling Avoid contact with skin and eyes. Use with adequate ventilation. Do not ingest. Do not reuse container. Observe label precautions. Wash thoroughly after handling.

Storage 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

Ingredient	Exposure limits
Butoxydiglycol; 2-(2-butoxyethoxy)ethanol Butoxyethanol; 2-butoxyethanol	**ACGIH TLV (United States, 3/2012).** TWA: 10 ppm 8 hours. Form: Inhalable fraction and vapor **OSHA PEL 1989 (United States, 3/1989). Absorbed through skin.** TWA: 25 ppm 8 hours. TWA: 120 mg/m³ 8 hours. **NIOSH REL (United States, 1/2013). Absorbed through skin.** TWA: 5 ppm 10 hours. TWA: 24 mg/m³ 10 hours. **ACGIH TLV (United States, 3/2012).** TWA: 20 ppm 8 hours. **OSHA PEL (United States, 6/2010). Absorbed through skin.** TWA: 50 ppm 8 hours. TWA: 240 mg/m³ 8 hours.

Personal Protective Equipment (PPE)

Eyes No special protection is required.

Body For prolonged or repeated handling, use the following type of gloves: Neoprene gloves. Nitrile gloves. Rubber gloves.

Respiratory No special measures required.

Section 9. Physical and Chemical Properties

Physical State Solid. [Towels]

pH 9.0 - 9.5

Boiling Point Not applicable.

Specific Gravity Not applicable.

Solubility Not applicable

Color Clear Liquid. White Towels.

Odor butyl acetate [Slight]

Vapor Pressure Not available.

Vapor Density Not available.

Evaporation Rate Not available.

VOC (Consumer) 1.7 % (w/w) 0.145 lbs/gal (17.4 g/l)

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Incompatibility No incompatible product according to our database.

Hazardous Polymerization Will not occur.

Hazardous Decomposition Products carbon oxides (CO, CO_2)

Section 11. Toxicological Information

Product/ingredient name	Result	Species	Dose	Exposure
Butoxydiglycol; 2-(2-butoxyethoxy)ethanol	LD50 Dermal	Rabbit	2700 mg/kg	-
	LD50 Oral	Rat	4500 mg/kg	-
Butoxyethanol; 2-butoxyethanol	LC50 Inhalation Gas.	Rat	450 ppm	4 hours
	LD50 Dermal	Rabbit	220 mg/kg	-
	LD50 Oral	Rat	250 mg/kg	-

Section 12. Ecological Information

Environmental Effects Not available.

Aquatic ecotoxicity

Product/ingredient name	Result	Species	Exposure
Butoxydiglycol; 2-(2-butoxyethoxy) ethanol	Acute LC50 1300000 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours
Butoxyethanol; 2-butoxyethanol	Acute EC50 >1000 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 800000 µg/l Marine water	Crustaceans - Crangon crangon	48 hours
	Acute LC50 1250000 µg/l Marine water	Fish - Menidia beryllina	96 hours

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.	-	-	-	
IMDG Class	Not regulated.	-	-	-	

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

Butoxydiglycol; 2-(2-butoxyethoxy)ethanol

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.

United States inventory (TSCA 8b): All components are listed or exempted.

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.*

LMW