

Material 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 GRAFFITI REMOVER TOWELS
Product use Cleaning Towelette
Product code 1412
Date of issue 08/07/08 **Supersedes** 04/09/07

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

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Prepared By

Compliance Services
1420 Seaboard Industrial Blvd.
Atlanta, GA 30318

Section 2. Hazards Identification

Emergency overview

WARNING !

CAUSES EYE AND SKIN 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 Causes skin irritation. Skin inflammation is characterized by itching, scaling, or reddening.

Inhalation Over-exposure by inhalation may cause respiratory irritation. Can cause dizziness, light-headedness, headache, nausea and blurred vision.

Ingestion Unlikely in this form.

Chronic effects

Prolonged or repeated contact may dry skin and cause irritation. Exposure to high concentrations can cause dizziness, lightheadness, headache, nausea, and blurred vision.

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

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

ALIPHATIC DIBASIC ESTERS	Proprietary	70 - 80
N-METHYL-PYRROLIDONE ; 1-methyl-2-pyrrolidone; m-pyro	872-50-4	10 - 20
ALCOHOLS, C9-11, ETHOXYLATED; linear primary alcohol ethoxylate	68439-46-3	<3

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 Not available.

Flammable Limits Not available.

Flammability Not available.

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**Product name**

ALIPHATIC DIBASIC ESTERS

N-METHYL-PYRROLIDONE ; 1-methyl-2-pyrrolidone; m-pyro

Exposure limits**DuPont AEL (United States).**TWA: 10 mg/m³ 8 hour(s).**ACGIH TLV (United States).**

TWA: 100 ppm 8 hour(s).

Personal Protective Equipment (PPE)

Eyes Safety glasses.



Body Wear appropriate protective clothing to prevent skin contact.
Recommended: Rubber gloves.

Respiratory No special measures required.

Section 9. Physical and Chemical Properties

Physical State Solid. [Towels]

pH 5.0 - 5.5

Boiling Point Not applicable.

Specific Gravity 1.079

Solubility Not applicable

Color Gray.

Odor Solvent. [Slight]

Vapor Pressure Not available.

Vapor Density Not available.

Evaporation Rate <1 (Butyl acetate. = 1)

VOC (Consumer) 306.56 (g/l). 2.56 lbs/gal (28.7%)

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

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

Hazardous Polymerization Will not occur.

Hazardous Decomposition Products carbon oxides (CO, CO₂)

Section 11. Toxicological Information**Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Aliphatic Dibasic Esters	LD50 Dermal	Rabbit	>2250 mg/kg	-
	LD50 Oral	Rat	8191 mg/kg	-
n-Methyl-Pyrrolidone	LD50 Oral	Mouse	5270 mg/kg	-
	LD50 Oral	Rat	3600 mg/kg	-
Ethoxylated Alcohols	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	1400 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.	Not a DOT controlled material (United States).			
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

n-Methyl-Pyrrolidone

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.: n-Methyl-Pyrrolidone

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.