



ZEP Manufacturing Company
 Acuity Specialty Products Group, Inc.
 P.O. Box 2015
 Atlanta, GA 30301
 1-877-I-BUY-ZEP (428-9937)
 www.zep.com

Material Safety Data Sheet

and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name CLEAN'EMS GRAFFITI REMOVER TOWELS
Product Use Graffiti Cleaning Towels
Product Code 1412
Date of issue 04/09/07 **Supersedes** 09/23/02

Emergency Telephone Numbers For MSDS Information:
 Acuity Specialty Products Group, Inc.
 Compliance Services 1-877-I-BUY-ZEP (428-9937)

For Medical Emergency
 INFOTRAC:
 (877) 541-2016 Toll Free - All Calls Recorded

For a 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 Group
 Acuity Specialty Products Group
 1420 Seaboard Industrial Blvd.
 Atlanta, GA 30318

Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
ALIPHATIC DIBASIC ESTERS	Proprietary	70 - 80	DuPont AEL (United States). TWA: 10 mg/m ³ 8 hour(s).
N-METHYL-PYRROLIDONE ; 1-methyl-2-pyrrolidone; m-pyrrol	872-50-4	10 - 20	ACGIH TLV (United States). TWA: 100 ppm 8 hour(s).
ALCOHOLS, C9-11, ETHOXYLATED; linear primary alcohol ethoxylate	68439-46-3	<3	Not established

Section 3. Hazards Identification

Acute Effects **Routes of Entry** Dermal contact. Inhalation.

Skin Causes skin irritation. Skin inflammation is characterized by itching, scaling, or reddening. Product may be dermal absorbed. May cause temporary blurred vision.

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

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

Ingestion Unlikely in this form.

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

HMIS

Health	1
Fire Hazard	0
Reactivity	0
Personal Protection	B

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

Chronic Effects Prolonged or repeated contact may dry skin and cause irritation.

See Toxicological Information (section 11)

Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.

Skin Contact In case of contact, immediately flush skin with plenty of water. Get medical attention if irritation develops.

Inhalation If inhaled, remove 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. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flash Point Not applicable. **Flammable Limits** Not applicable.
Flammability Not applicable.
Fire Hazard Not applicable.
Fire-Fighting Procedures Use DRY chemicals, CO₂ or foam.

**Section 6. Accidental Release Measures**

Spill Clean up Spills are unlikely in this form. Place unused product in a suitable waste container.

Section 7. Handling and Storage

Handling Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Use with adequate ventilation. Do not ingest. Wash thoroughly after handling. Observe label precautions.
Storage Keep container tightly closed. Keep container in a cool, well-ventilated area. Store between 40°F - 120°F (4.4°C - 49°C). Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

Section 8. Exposure Controls, Personal Protection**Personal Protection****Protective Clothing (Pictograms)**

Eyes Safety glasses.
Body Recommended: Butyl rubber gloves.
Respiratory No special measures required.

**Section 9. Physical and Chemical Properties**

Physical State Solid. (Towelette impregnated with clear liquid) **Color** Grey.
pH 5.0 - 5.5 **Odor** Solvent-like.
Boiling Point Not determined. **Vapor Pressure** Not determined.
Specific Gravity 1.079 (Water = 1) **Vapor Density** Not determined.
Solubility Not applicable **Evaporation Rate** <1 compared to Butyl acetate.
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 to reactive with oxidizing agents, acids, alkalis.
Hazardous Polymerization Will not occur.
Hazardous Decomposition Products carbon oxides (CO, CO₂)

Section 11. Toxicological Information

Toxicity to Animals **Aliphatic Dibasic Esters:**
 ORAL (LD50): Acute: 8191 mg/kg [Rat].
 DERMAL (LD50): Acute: >2250 mg/kg [Rabbit].
n-Methyl-Pyrrolidone:
 ORAL (LD50): Acute: 3600 mg/kg [Rat]. 5270 mg/kg [Mouse].
Ethoxylated Alcohols:
 ORAL (LD50): Acute: 1400 mg/kg [Rat].
 DERMAL (LD50): Acute: >5000 mg/kg [Rabbit].

Section 12. Ecological Information

Ecotoxicity Not available.
Biodegradable/OECD Not available.

Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations. **Waste Stream** Non-hazardous waste
 Consult your local or regional authorities.

Section 14. Transport Information

Proper shipping name Not applicable.
DOT Classification Not a DOT controlled material (United States). **UN number** 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.

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

SARA 313 toxic chemical notification and release reporting:

n-Methyl-Pyrrolidone

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: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: 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.