



# Material Safety Data Sheet

## Section 1. Chemical Product and Company Identification

**Product name** CLEAN'EMS GRAFFITI REMOVER TOWELS  
**Product use** Cleaning Towelette  
**Product code** 1412  
**Date of issue** 05/27/11 **Supersedes** 06/16/08

### Emergency Telephone Numbers

**For MSDS Information:**  
 Technical Services Group  
 Telephone (780) 453-8100  
 (Business Hours 8:00am - 5:00pm)

**For Medical or Transportation Emergency**  
 CANUTEC (24 Hours)  
 (613) 996-6666 - Call Collect

Printing date: 27/05/11

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## Section 2. Hazards Identification

### Emergency overview

**WARNING !**

CAUSES EYE AND SKIN IRRITATION.

**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. Eye contact.

**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.

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

## Section 3. Composition/Information on Ingredients

### Name of Hazardous Ingredients

### CAS number

### % by Weight

ALIPHATIC DIBASIC ESTERS

Proprietary

60 - 100

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

872-50-4

10 - 30

## 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

**Flash Point** Not available.

**Flammable Limits** Not available.

**Flammability** Not available.

### Auto-ignition Temperature

**Fire-Fighting Procedures** Use an extinguishing agent suitable for the surrounding fire. Fire-fighters should wear appropriate protective equipment.

**Fire hazard** May ignite when exposed to heat or flame.

**Products of Combustion** carbon oxides (CO, CO<sub>2</sub>)

**Explosion hazard****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

**Exposure limits****DuPont AEL (United States).**TWA: 10 mg/m<sup>3</sup> 8 hour(s).**ACGIH TLV (United States).**

TWA: 100 ppm 8 hour(s).

**Personal Protective Equipment (PPE)**

**Eyes** Safety glasses.



**Hands and Body** Wear appropriate protective clothing to prevent skin contact.

**Body** 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

**Freezing Point**

**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** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Section 11. Toxicological Information**

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

**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	-

**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 applicable 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	Additional information
<b>TDG Classification</b>	Not regulated.					
<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. **Limited Quantity:** Small quantities of controlled goods are not regulated as Dangerous Goods according to TDG regulations.

PG\* : Packing group

**Section 15. Regulatory Information****Canada****WHMIS (Canada)**

Class D-2B: Material causing other toxic effects (Toxic).

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**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.*