

MATERIAL SAFETY DATA SHEET
DWRII Graffiti Remover

SECTION 1 PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: DWRII Graffiti Remover

Manufacturer:

Chemique, Inc.
315 N. Washington Avenue
Moorestown, NJ 08057
(856) 235-4161

MSDS Date of Preparation: 01/21/08

EMERGENCY PHONE: (800) 535-5053 (Infotrac)

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENTS</u>	<u>CAS#</u>	<u>WT.%</u>
Diethylene Glycol Monobutyl Ether	112-34-5	70-80
Propylene Carbonate	108-32-7	1-10
Surfactant	Mixture	1-5

SECTION 3: HAZARDS IDENTIFICATION

This product is a clear to straw colored gel with a mild solvent odor.

EMERGENCY OVERVIEW

Causes eye irritation. Prolonged skin contact may cause irritation. Inhalation of vapors or mists may cause respiratory tract irritation and central nervous system depression. Swallowing may cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause damage to the blood system, liver and kidneys based on animal data.

HEALTH HAZARDS:

INHALATION: Inhalation of vapors or mists may cause mucous membranes and respiratory tract irritation and central nervous system depression including headache, dizziness, drowsiness, and incoordination.

SKIN CONTACT: Prolonged or repeated contact may cause irritation.

EYE CONTACT: Causes eye irritation with redness, tearing and pain.

INGESTION: Swallowing may cause gastrointestinal irritation, abdominal or back pain, nausea, vomiting and diarrhea. May cause central nervous system effects such as headache, dizziness, drowsiness and incoordination. May cause adverse kidney effects.

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CHRONIC EFFECTS OF OVEREXPOSURE: Prolonged or repeated overexposure may cause skin irritation. Tests with laboratory animals have shown that repeated doses of high concentrations of diethylene glycol monobutyl ether may cause damage to the red blood cells, kidneys, liver and stomach.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with eye, kidney and central nervous system disorder may be at increased risk from exposure to this material.

SECTION 4 FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with water for 15 minutes while lifting the upper and lower lids. Get immediate medical attention.

SKIN CONTACT: Wash with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation or symptoms of exposure develop.

INHALATION: Remove victim to fresh air. If breathing has stopped give artificial respiration. If breathing is difficult have qualified personnel administer oxygen. Get medical attention.

INGESTION: If conscious, give 1-2 glasses of water to dilute. Do not induce vomiting. Never give anything by mouth to a person who is unconscious or convulsing. Get medical attention.

SECTION 5 FIRE FIGHTING MEASURES

FLASH POINT: >200°F (>93°C)

FLAMMABLE LIMITS: (vol % in air)

LEL – 0.85% (diethylene glycol monobutyl ether)

UEL – 24.6% (diethylene glycol monobutyl ether)

AUTOIGNITION TEMPERATURE: 442°F (228°C) (diethylene glycol monobutyl ether)

EXTINGUISHING MEDIA: Use alcohol foam, dry chemical or carbon dioxide to extinguish the fire. Water may be ineffective.

SPECIAL FIREFIGHTING PROCEDURES: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Cool fire exposed containers with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not classified as flammable or combustible but will burn under fire conditions. Thermal decomposition may yield carbon, nitrogen and propylene oxides.

SECTION 6 ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear appropriate protective clothing and equipment to prevent contact. Eliminate sources of ignition. Ventilate the area. Dike spill and collect into closable containers for disposal with an inert absorbent. Prevent spill from entering sewers and waterways. Wash spill area with water.

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SECTION 7 HANDLING and STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep container tightly closed. Store in a cool, well ventilated area.

Avoid eye and prolonged skin contact. Avoid breathing vapors or mists. Do not swallow. Use with adequate ventilation. Remove and launder contaminated clothing before re-use. Wash thoroughly after handling. Keep product away from excessive heat, open flames and sources of ignition.

OTHER PRECAUTIONS: Empty containers retain product residues. Follow all MSDS precautions in handling empty containers.

SECTION 8 EXPOSURE CONTROLS and PERSONAL PROTECTION

Exposure Guidelines:

INGREDIENTS	CAS#.	EXPOSURE LIMITS
Diethylene Glycol Monobutyl Ether	112-34-5	35 ppm TWA Manufacturer
Propylene Carbonate	108-32-7	None Established
Surfactant	Mixture	None Established

RESPIRATORY PROTECTION: None needed for normal use conditions. For operations where the recommended exposure limit may be exceeded an approved organic vapor respirator with a particulate pre-filter, supplied air respirator (with escape bottle if required) or self-contained breathing apparatus may be required. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

VENTILATION: Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions. If the recommended exposure limit is exceeded increased mechanical ventilation such as local exhaust may be required.

GLOVES: Neoprene or other impervious gloves are recommended for prolonged skin contact.

PROTECTIVE CLOTHING: Impervious apron, boots and other clothing are recommended if needed to prevent contact or if splashing is possible.

EYE PROTECTION: Wear chemical safety goggles to prevent eye contact.

OTHER PROTECTIVE EQUIPMENT: Washing facilities should be available.

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SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

BOILING POINT (@ 760 mmHg): >200° F

SPECIFIC GRAVITY (H₂O=1): 1.02

VOLATILE: >70%

EVAPORATION RATE: Not available

pH: Not available

APPEARANCE AND ODOR: Clear to straw colored liquid with a mild solvent odor.

FREEZING POINT: Not determined

VAPOR PRESSURE: Not available

VAPOR DENSITY (AIR=1): Not available

SOLUBILITY IN WATER: Soluble

COEFFICIENT OF WATER/OIL: Not available

SECTION 10 STABILITY and REACTIVITY

STABILITY: This material is stable.

CONDITIONS TO AVOID: Avoid excessive temperatures.

INCOMPATIBILITY: Avoid contact with strong oxidizing agents, acids, bases, peroxides and reducing agents

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce carbon, nitrogen and propylene oxides, aldehydes, ketones and organic acids

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Not applicable.

SECTION 11 TOXICOLOGICAL INFORMATION

TOXICOLOGY DATA:

Diethylene Glycol Monobutyl Ether: Oral rat LD50 4500 mg/kg

Dermal rabbit LD50 2700 mg/kg

Propylene Carbonate: Oral rat LD50 >5,000 mg/kg

Dermal rabbit LD50 >2,000 mg/kg

Inhalation rat LC50 >5 gm/m³

Surfactant: Oral rat LD50 >2,000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Diethylene Glycol Monobutyl Ether: Oral rat LD50 4500 mg/kg

Dermal rabbit LD50 2700 mg/kg

Propylene Carbonate: 96 hr LC50 sheepshead minnow >1,000 mg/L

48 hr LC50 marine copepod >1,000 mg/L

Surfactant: No data available

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SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose in accordance with all local, state and federal regulations.

SECTION 14: TRANSPORT INFORMATION

DOT SHIPPING NAME: Not Regulated
DOT HAZARD CLASSIFICATION: N/A
DOT LABELS REQUIRED (49CFR172.101): None
UN NUMBER: N/A

SECTION 15: REGULATORY INFORMATION

OSHA HAZARD CLASSIFICATION: Irritant, target organ effects

EPA SARA 311 HAZARD CLASSIFICATION: Acute health, chronic health

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313:

2 Diethylene Glycol Monobutyl Ether (glycol ethers)	112-34-5	70-80%
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CERCLA Hazardous Substances (Section 103)/RQ: This product is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

TOXIC SUBSTANCES CONTROL ACT: All of the components of this product are listed on the TSCA inventory.

CALIFORNIA PROPOSITION 65: This product contains the following chemical which is known to the State of California to cause cancer: Propylene oxide <0.01%

WHMIS CLASSIFICATION: Class D - Division 2B (Toxic material causing other chronic effects)

This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains all of the information required by the CPR.

SECTION 16: OTHER INFORMATION

NFPA Rating: Health: 2 Fire: 1 Reactivity: 0