

MATERIAL SAFETY DATA SHEET

Western Environmental Services, Inc.
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GENERAL INFORMATION NUMBER: (602) 234-8873

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I - Product Identification

Vandal Mark Remover

PRODUCT CODE: 8307

CHEMICAL FORMULATION: Pressurized solvent based cleaner.

NFPA HAZARD IDENTIFICATION SYSTEM:

HEALTH: 2 **FLAMMABILITY:** 2 **REACTIVITY:** 1

HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

<u>SUBSTANCE</u>	<u>APPROX %</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>EPA 40 CFR:</u>			<u>CAS #</u>
				<u>302</u>	<u>355</u>	<u>372</u>	
Methylene Chloride	70.0-80.0	25 ppm	50 ppm	Y	N	Y	75-09-2
Methanol	1.00-5.00	200 ppm (skin)	200 ppm (skin)	Y	N	Y	67-56-1
Toluene	1.00-5.00	100 ppm	50 ppm (skin)	Y	N	Y	108-88-3
Liquefied Petroleum Gas Mixture	10.0-20.0						
(Butane)		N/E	1000 ppm	N	N	N	106-97-8
(Propane)		N/E	600 ppm	N	N	N	74-98-6

Key: **PEL:** Permissible Exposure Limit **TLV:** Threshold Limit Value **C:** Ceiling level **STEL:** Short Term Exposure Limit
N/A: Not Applicable **N/D:** Not Determined **N/E:** Not Established **Y:** Yes **N:** No

302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).

355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).

372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

BOILING POINT (°F): N/D

SPECIFIC GRAVITY (WATER = 1): 1.0782

VAPOR PRESSURE (mm Hg): 60-70 @ 130 F

VOC CONTENT (% by weight): N/D

VAPOR DENSITY (AIR = 1): N/D

EVAPORATION RATE (WATER = 1): < 1.00

SOLUBILITY IN WATER: Negligible

pH: N/A

APPEARANCE AND ODOR: Aerosol spray; characteristic odor.

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): > 200

(TEST METHOD): T.O.C.

FLAME EXTENSION: N/D

FLAMMABLE LIMITS IN AIR (VOLUME %)(PROPELLANT) UPPER: 9.5 **LOWER:** 1.9

EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical. **NFPA 30B Rating:** 1

SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: Contents under pressure! Exposure to temperatures above 120° F may cause bursting.

V - Reactivity Data

STABILITY: Stable**INCOMPATIBILITY:** Strong oxidizers.**CONDITIONS TO AVOID:** Heat, sparks, flames and electric arcs. Dropping of containers may cause bursting.**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce oxides of carbon, hydrocarbon vapors, hydrochloric acid.**HAZARDOUS POLYMERIZATION:** Will not occur.**CONDITIONS TO AVOID:** None

VI - Health Hazard Data

ROUTES OF ENTRY **INHALATION:** X **EYE CONTACT:** X **SKIN CONTACT:** X **INGESTION:**
INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: Methylene Chloride

EFFECTS OF OVEREXPOSURE**IF IN EYES:** May cause moderate irritation.**IF ON SKIN:** Moderate irritation, defatting and dermatitis with prolonged or repeated exposure.**IF SWALLOWED:** Can cause blindness. May cause nausea, vomiting, pain, diarrhea and stomach upset.**IF INHALED:** Irritating to eyes, nose and respiratory tract. Can be harmful or fatal at high concentration.**EMERGENCY AND FIRST AID PROCEDURES****IF IN EYES:** Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.**IF ON SKIN:** Flush skin with water while removing contaminated clothing. Launder clothing separately before reuse. Wash skin with soap and water. If irritation persists, obtain medical attention.**IF SWALLOWED:** Contact physician or poison control center immediately. Do not induce vomiting unless instructed by a physician or poison control center. Rinse mouth with water and give a cupful of water to drink. Never give anything to an unconscious person.**IF INHALED:** Remove person to fresh air. If breathing has stopped, administer artificial respiration. Obtain medical attention.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area. Remove all sources of ignition. Contain spill. Soak up material with inert absorbent material and place in a labeled closed container for disposal.**WASTE DISPOSAL METHOD:** Consult local environmental authorities. Dispose of cans in non-incinerated trash only.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. Do not breathe vapors or mists. If recommended Exposure Limits are exceeded, wear a NIOSH approved respirator, following manufacturer's recommendations.**VENTILATION****LOCAL:** Recommended**MECHANICAL:** Not required**PROTECTIVE GLOVES:** Chemical resistant.**EYE PROTECTION:** Safety glasses or chemical goggles.**OTHER PROTECTIVE EQUIPMENT:** Protective clothing.**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool, dry place away from heat, sparks or open flame. Wash hands before eating or smoking. Do not store at temperatures above 120 F.**OTHER PRECAUTIONS:** Keep out of reach of children. Do not puncture or incinerate container.

IX - Transportation Information (ground transportation only)

DOT PROPER SHIPPING NAME: Consumer Commodity**DOT CLASS:** ORM-D**DOT ID NUMBER:** None**DOT PACKING GROUP:** None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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