

MATERIAL SAFETY DATA SHEET

Total Solutions
P.O. Box 240014
Milwaukee, WI 53224



GENERAL INFORMATION NUMBER: (414) 354-6417
CHEMTREC: (800) 424-9300

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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.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR:			CAS #
				302	355	372	
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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