

# MATERIAL SAFETY DATA SHEET

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



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

REVISION DATE: January 10, 2005  
DATE OF ISSUE: January 10, 2005

## I - Product Identification

### Vandal Mark Remover

PRODUCT CODE: 0298

CHEMICAL FORMULATION: Solvent based cleaner.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2 FLAMMABILITY: 3 REACTIVITY: 0  
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	
2-Butoxyethanol	1.00-10.0	50 ppm (skin)	20 ppm (skin)	N	N	Y	111-76-2
Toluene	45.0-55.0	100 ppm	50 ppm (skin)	Y	N	Y	108-88-3
Trichloroethylene	40.0-50.0	50 ppm	50 ppm	Y	N	Y	79-01-6
Ethoxylated octyl phenol	< 3.00	N/E	N/E	N	N	N	9036-19-5

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): 1.03  
VAPOR PRESSURE (mm Hg): N/D VOC CONTENT (% by weight): > 90.0  
VAPOR DENSITY (AIR = 1): N/D EVAPORATION RATE (WATER = 1): > 1.0  
SOLUBILITY IN WATER: Emulsifiable pH: N/A  
APPEARANCE AND ODOR: Clear, colorless liquid; solvent odor.

## IV - Fire and Explosion Hazard Data

FLASH POINT (°F): 45 (TEST METHOD): Closed cup  
FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: N/D LOWER: N/D  
EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical, water spray.  
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: Product can release vapors that form flammable mixtures at temperatures at or above the flashpoint. Containers may explode in heat of fire. Vapors may settle in low or confined areas or travel long distances along the ground or surface to an ignition source where they may ignite, flashback or explode.

PRODUCT NAME: Vandal Mark Remover

### V - Reactivity Data

**STABILITY:** Stable

**INCOMPATIBILITY:** Alkali and alkaline earth metals such as sodium, potassium and barium; caustic soda, caustic potash or oxidizing materials, strong oxidizers, halogens or halogen compounds, reducing agents, molten sulfur.

**CONDITIONS TO AVOID:** Excess heat, sparks and open flame.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce oxides of carbon, hydrogen chloride and traces of phosgene.

**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:** X  
**INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS:** Trichloroethylene (IARC 2A).

#### EFFECTS OF OVEREXPOSURE

**IF IN EYES:** Moderate to severe irritation and redness, stinging, swelling, tearing blurred vision.

**IF ON SKIN:** Mild to moderate irritation, redness, itching. Prolonged or repeated exposure may cause Defatting, drying and dermatitis. Possible chemical burns. May be harmful if absorbed through skin.

**IF SWALLOWED:** Harmful or fatal if swallowed. May cause gastrointestinal irritation, CNS depression, diarrhea, nausea, vomiting, dizziness, incoordination, delirium, unconsciousness, coma and possible death. Aspiration may be a hazard.

**IF INHALED:** Irritation to upper respiratory tract, dizziness, confusion, depression, headache, incoordination, vomiting, abdominal pain, drowsiness, vertigo, euphoria, loss of appetite, convulsions, CNS depression, cardiac sensitization. Prolonged or repeated contact may cause kidney & liver damage, hearing loss, cardiac disturbances.

#### 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 area with soap & water while removing contaminated clothing. If irritation persists, obtain medical attention. Launder clothing separately before reuse.

**IF SWALLOWED:** Contact physician or poison control center immediately. Do not induce vomiting unless told to do so by a poison control center or doctor. Never give anything to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

**IF INHALED:** Remove person to fresh air. If breathing has stopped, administer artificial respiration. Obtain immediate medical attention.

### VII - Spill or Leak Protection

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Ventilate area and remove all sources of ignition. Contain spill. Soak up spilled material with inert absorbent material and place in a properly marked closed container for proper disposal.

**WASTE DISPOSAL METHOD:** Consult local environmental authorities.

### 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:** Recommended

**PROTECTIVE GLOVES:** Chemical resistant.

**EYE PROTECTION:** Chemical goggles or face shield.

**OTHER PROTECTIVE EQUIPMENT:** Emergency shower and eye wash station. Protective clothing

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool, dry place away from heat or open flame. Keep container tightly closed when not in use. Keep away from foodstuffs.

**OTHER PRECAUTIONS:** Keep out of reach of children.

### IX - Transportation Information (ground information only)

**DOT PROPER SHIPPING NAME:** Compounds, cleaning liquid (Toluene)

**DOT CLASS:** 3

**DOT ID NUMBER:** NA1993

**DOT PACKING GROUP:** II

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.

**REVISION DATE:** January 10, 2005

**Prepared by:** PMR

**DATE OF ISSUE:** January 10, 2005

This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Total Solutions assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material such vendees or users assume all risks associated with the use of this material.

DISTRIBUTED BY:  
NATIONAL AMERICAN SALES CORP  
800-821-3732

Product # 298

# VANDAL MARK REMOVER

## Solvent-based vandal & graffiti cleaner

This extremely potent cleaner removes paint, ink, lipstick and other annoying marks from a wide variety of surfaces with very little effort. Simply spray or wipe this liquid cleaner directly onto the mark, let it penetrate for a few minutes, then watch as the marks and graffiti disappear.

### Use On:

- Ceramic
- Glass
- Stone
- Enamels
- Porcelain
- Marble
- Concrete
- Vinyl
- Tile
- Brick
- Formica
- All metal surfaces

\*\* Note: Do not use on some rubbers, asphalt, and some paints and plastics.

### Effective Against

- Paint
- Crayon
- Ink
- Spray paint
- Lipstick
- Permanent marker

### Features and Benefits

- Potent remover will wipe away marks, fast.
- Removes stains, paints and graffiti marks without harming surfaces.

### Properties

Appearance.....	Colorless liquid
Fragrance.....	Solvent
Ready-to-use.....	Yes
Specific gravity.....	1.03
Flash point.....	45° F
Stability.....	1 year
Solubility.....	Insoluble in water

### Directions Complete directions on product label

Easy to use, just spray and wipe. Difficult marks may require a second application.

For porous surfaces, scrub with a brush before wiping dry.

### Active Ingredients

Toluene .....	.....
Trichloroethylene .....	.....
2-butoxyethanol .....	.....
Ethoxylated Octyl Phenol .....	.....

### CAS Number

108-88-3  
79-01-6  
111-76-2  
9036-19-5

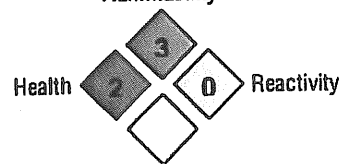
### Safety

Danger: Extremely flammable. Harmful or fatal if swallowed. Keep away from heat, spark or open flame. Keep out of the reach of children.

### DOT Shipping (ground transportation)

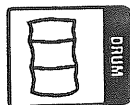
Proper Shipping Name: Compounds, cleaning liquid (Toluene)  
Class: 3  
ID Number: NA1993  
Package Group: II

### NFPA RATINGS



### Quantities

- 55 gallon
- 35, 30 & 20 gallon
- 5 or 6 gallon
- 6 X 1 gallon
- 4 X 1 gallon



298-091304

**TOTAL  
SOLUTIONS**

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