1. Product and Company Identification

Product number: 880-001
Product name: Gel Vandal Mark Remover
Effective date: 24-Nov-2009
Company information:
Pollock
1 Pollock Place
Grand Prairie, TX 75050 United States
Company phone: General Assistance 800-843-7320
Emergency telephone US: 800-424-9300
Emergency telephone outside US: 703-527-3887
Version #: 04
Supersedes date: 12-Mar-2008

2. Hazards Identification

Emergency overview:
EXTREMELY FLAMMABLE. VAPOR HARMFUL. CONTENTS UNDER PRESSURE. Aerosol. Will be easily ignited by heat, spark or flames. Irritating to skin. Irritating to eyes. Irritating to respiratory system. Prolonged exposure may cause chronic effects.

Potential health effects:

Routes of exposure:
- Skin contact
- Ingestion
- Inhalation

Eyes:
Causes eye irritation.

Skin:
This product may be harmful if it is absorbed through the skin. Irritating to skin. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Inhalation:
Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Irritating to respiratory system. Prolonged inhalation may be harmful.

Ingestion:
Exposure by ingestion of an aerosol is unlikely. May cause delayed lung damage. Components of the product may be absorbed into the body by ingestion.

Target organs:
Kidney.

Chronic effects:
Unconsciousness. Liver injury may occur. Kidney injury may occur. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. May cause delayed lung damage.

Signs and symptoms:

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>20 - 30</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>10 - 15</td>
</tr>
<tr>
<td>n-Butane</td>
<td>106-97-8</td>
<td>8 - 10</td>
</tr>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>5 - 8</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>3 - 5</td>
</tr>
<tr>
<td>Diethylene Glycol Monobutyl Ether</td>
<td>112-34-5</td>
<td>3 - 5</td>
</tr>
<tr>
<td>9-Octadecenoic Acid</td>
<td>112-80-1</td>
<td>1 - 3</td>
</tr>
<tr>
<td>Non-hazardous and other components below reportable levels</td>
<td>20 - 40</td>
<td></td>
</tr>
</tbody>
</table>
4. First Aid Measures

First aid procedures

**Eye contact**
Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.

**Skin contact**
Remove and isolate contaminated clothing and shoes. Wash off with warm water and soap. Get medical attention if irritation develops or persists.

**Inhalation**
Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, get medical attention.

**Ingestion**
If material is ingested, immediately contact a poison control center. Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

5. Fire Fighting Measures

**Flammable properties**
Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard.

**Extinguishing media**
Suitable extinguishing media
- Water fog
- Foam
- Dry chemical
- Carbon dioxide (CO2)

**Protection of firefighters**
Specific hazards arising from the chemical
Fire may produce irritating, corrosive and/or toxic gases.

Protective equipment and precautions for firefighters
In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Containers should be cooled with water to prevent vapor pressure build up. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

6. Accidental Release Measures

**Methods for containment**
Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Stop the flow of material, if this is without risk. Prevent entry into waterways, sewers, basements or confined areas.

**Methods for cleaning up**
Should not be released into the environment. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly.

7. Handling and Storage

**Handling**
Pressurized container: Do not pierce or burn, even after use. Do not handle or store near an open flame, heat or other sources of ignition. Use only in area provided with appropriate exhaust ventilation. Do not use if spray button is missing or defective. Do not get this material in contact with eyes. Do not get this material in contact with skin. Wear personal protective equipment. Avoid prolonged exposure.

**Storage**
Level 2 Aerosol
Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Keep away from heat, sparks, and flame. Avoid exposure to long periods of sunlight. Store in cool place. Keep in an area equipped with sprinklers. Keep out of the reach of children. Do not store, incinerate, or heat this material above 120 degrees Fahrenheit.
8. Exposure Controls / Personal Protection

Exposure limits

ACGIH Components | CAS # | TWA | STEL | Ceiling
---|---|---|---|---
Toluene | 108-88-3 | 20 ppm | Not established | Not established
Propane | 74-98-6 | 1000 ppm | Not established | Not established
n-Butane | 106-97-8 | 1000 ppm | Not established | Not established
Acetone | 67-64-1 | 500 ppm | 750 ppm | Not established
2-Butoxyethanol | 111-76-2 | 20 ppm | Not established | Not established
Diethylene Glycol Monobutyl Ether | 112-34-5 | 20 ppm | Not established | Not established

OSHA Components | CAS # | TWA | STEL | Ceiling
---|---|---|---|---
Toluene | 108-88-3 | 200 ppm | Not established | 300 ppm
Propane | 74-98-6 | 1000 ppm | Not established | Not established
Acetone | 67-64-1 | 1000 ppm | Not established | Not established
2-Butoxyethanol | 111-76-2 | 50 ppm | Not established | Not established
Diethylene Glycol Monobutyl Ether | 112-34-5 | 100 ppm | Not established | Not established

Personal protective equipment

Eye / face protection Wear chemical goggles.

Skin protection Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing.

Respiratory protection Wear positive pressure self-contained breathing apparatus (SCBA). If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

9. Physical & Chemical Properties

Appearance Compressed liquefied gas.
Boiling point 179.6 °F (82.2 °C) estimated
Color Tan.
Flammability (HOC) 20.727 kJ/g estimated
Flash back Yes
Flash point -156 °F (-104.4 °C) Propellant
Form Aerosol.
Odor Solvent.
PH 12.42 - 13.42
Physical state Liquid.
Pressure 60 - 75 psig @ 70F
Solubility Partially
Specific gravity 0.8229 estimated

10. Chemical Stability & Reactivity Information

Chemical stability Risk of ignition. Instability caused by elevated temperatures. May form explosive peroxides.
Conditions to avoid Heat, flames and sparks.
Hazardous decomposition products Irritants. Toxic gas. May include oxides of nitrogen.

11. Toxicological Information

Acute effects Acute LD50: 4005 mg/kg estimated, Rat, Dermal
Component analysis - LD50
Toxicology Data - Selected LD50s and LC50s

111-76-2 Inhalation LC50 Rat 2.21 mg/L 4 h; Inhalation LC50 Rat 450 ppm 4 h; Oral LD50 Rat 470 mg/kg; Dermal LD50 Rat 2270 mg/kg; Dermal LD50 Rabbit 220 mg/kg

2-Octyldecenoic Acid 112-80-1 Oral LD50 Rat 25 g/kg

Acetone 67-64-1 Oral LD50 Rat 5800 mg/kg

Diethylene Glycol Monobutyl Ether 112-34-5 Oral LD50 Rat 3384 mg/kg; Dermal LD50 Rabbit 2700 mg/kg

n-Butane 106-97-8 Inhalation LC50 Rat 658 mg/L 4 h

Propane 74-98-6 Inhalation LC50 Rat 658 mg/L 4 h

Toluene 108-88-3 Inhalation LC50 Rat 12.5 mg/L 4 h; Inhalation LC50 Rat >26700 ppm 1 h; Oral LD50 Rat 636 mg/kg; Dermal LD50 Rabbit 8390 mg/kg; Dermal LD50 Rabbit 12124 mg/kg

Sensitization Not expected to be hazardous by OSHA criteria.

Teratogenicity Not expected to be hazardous by OSHA criteria.

12. Ecological Information
Ecotoxicity Components of this product are hazardous to aquatic life.

LC50 91.39 mg/L estimated, Fish, 96.00 Hours,
EC50 40.7 mg/L estimated, Daphnia, 48.00 Hours,
IC50 11587 mg/L estimated, Algae, 72.00 Hours,

13. Disposal Considerations
Waste codes D001: Waste Flammable material with a flash point <140 F
D002: Waste Corrosive material [pH <=2 or =>12.5, or corrosive to steel]
D018: Waste Benzene

Disposal instructions Contents under pressure. Dispose of this material and its container at hazardous or special waste collection point. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose in accordance with all applicable regulations.

14. Transport Information
Department of Transportation (DOT) Requirements
Basic shipping requirements:
Proper shipping name Consumer commodity
Hazard class ORM-D
Subsidiary hazard class None

Additional information:
Packaging exceptions 156, 306
Packaging non bulk 156, 306
Packaging bulk None

IMDG
Basic shipping requirements:
Proper shipping name AEROSOLS
Hazard class 2.1
UN number 1950

Additional information:
Packaging exceptions LTD QTY
Item 5F
Labels required None
Transport Category 2
IATA

Basic shipping requirements:
Proper shipping name  Aerosols, flammable
Hazard class 2.1
UN number 1950
Additional information:
Packing exceptions LTD QTY
Labels required 2.1

15. Regulatory Information

US federal regulations
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

<table>
<thead>
<tr>
<th>Chemical</th>
<th>UN number</th>
<th>De minimis concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>1.0 % de minimis concentration (applies to R-(OCH2CH2)n-OR', where n = 1, 2, or 3, R=alkyl C7 or less, or R = phenyl or alkyl substituted phenyl, R' = H or alkyl C7 or less, or OR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or sulfonate, Chemical Category N230)</td>
</tr>
<tr>
<td>Diethylene Glycol Monobutyl Ether</td>
<td>112-34-5</td>
<td>1.0 % de minimis concentration (applies to R-(OCH2CH2)n-OR', where n = 1, 2, or 3, R=alkyl C7 or less, or R = phenyl or alkyl substituted phenyl, R' = H or alkyl C7 or less, or OR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or sulfonate, Chemical Category N230)</td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>1.0 % de minimis concentration</td>
</tr>
</tbody>
</table>

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical

CERCLA (Superfund) reportable quantity

Toluene: 1000.0000
Acetone: 5000.0000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
- Immediate Hazard - Yes
- Delayed Hazard - Yes
- Fire Hazard - Yes
- Pressure Hazard - Yes
- Reactivity Hazard - No

Section 302 extremely hazardous substance
No

Section 311 hazardous chemical
Yes

Inventory status

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)</th>
</tr>
</thead>
<tbody>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of New and Existing Chemicals (EINECS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>No</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

U.S. - Pennsylvania - RTK (Right to Know) List

<table>
<thead>
<tr>
<th>Chemical</th>
<th>UN number</th>
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</tr>
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<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>Present</td>
</tr>
<tr>
<td>9-Octadecenoic Acid</td>
<td>112-80-1</td>
<td>Present</td>
</tr>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
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<td>Toluene</td>
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<td>Environmental hazard</td>
</tr>
</tbody>
</table>

Further information

HMIS® is a registered trade and service mark of the NPCA.

Product #: 880-001        Revision date: 24-NOV-2009    Print date: 24-NOV-2009
HMIS® ratings

Health: 2*
Flammability: 3
Physical hazard: 0

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

MSDS sections updated

This document has undergone significant changes and should be reviewed in its entirety.

Prepared by

Regulatory Compliance