1. Product and Company Identification

Product number: 870
Product name: Netcare Vandalism Mark Remover
Effective date: 21-Oct-2010
Company information: Network Services Company
1100 East Woodfield Rd, Suite 200
Schaumburg, IL 60173 United States
Company phone: General Assistance 630-543-7600
Emergency telephone US: 800-424-9300
Emergency telephone outside US: 703-527-3887
Version #: 04
Supersedes date: 06-Jun-2008

2. Hazards Identification

Emergency overview: EXTEMELY FLAMMABLE LIQUID AND VAPOR. FLAMMABLE CONTENTS UNDER PRESSURE. Aerosol. Will be easily ignited by heat, spark or flames. Harmful in contact with eyes. Cancer hazard. Irritating to skin. Irritating to respiratory system. Prolonged exposure may cause chronic effects.

Potential health effects:

Routes of exposure: Ingestion. Inhalation. Skin contact.

Eyes: Contact may irritate or burn eyes. Eye contact may result in corneal injury.

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. Harmful if swallowed. May cause delayed lung damage.


Chronic effects: Conjunctiva. 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. Prolonged skin contact may defat the skin and produce dermatitis.


3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylene Chloride</td>
<td>75-09-2</td>
<td>40 - 50</td>
</tr>
<tr>
<td>n-Butane</td>
<td>106-97-8</td>
<td>20 - 30</td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>10 - 15</td>
</tr>
<tr>
<td>Perchloroethylene</td>
<td>127-18-4</td>
<td>8 - 10</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>8 - 10</td>
</tr>
<tr>
<td>Propylene Oxide</td>
<td>75-56-9</td>
<td>0.1 - 0.5</td>
</tr>
</tbody>
</table>

Non-hazardous and other components below reportable levels: 1 - 2.5

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. Get medical attention immediately.
Skin contact
Remove and isolate contaminated clothing and shoes. Wash off with warm water and soap. Get medical attention if irritation develops or persists. For minor skin contact, avoid spreading material on unaffected skin.

Inhalation
Move to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician if symptoms develop or persist.

Ingestion
Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting without medical advice. 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.

Extinguishing media
Suitable extinguishing media: Foam. Dry chemical. Carbon dioxide (CO2).

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

5. 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.

Methods for cleaning up
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. Do not smoke while using or until sprayed surface is thoroughly dry. Do not use if spray button is missing or defective. Use only with adequate ventilation. 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 1 Aerosol. Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Avoid exposure to long periods of sunlight. Keep in an area equipped with sprinklers. Keep out of the reach of children.

8. Exposure Controls / Personal Protection

Exposure limits
ACGIH
Components | CAS # | TWA  | STEL       | Ceiling        |
--- | --- | --- | --- | --- |
Methylene Chloride | 75-09-2 | 50 ppm | Not established | Not established |
n-Butane | 106-97-8 | 1000 ppm | Not established | Not established |
Toluene | 108-88-3 | 20 ppm | Not established | Not established |
Perchloroethylene | 127-18-4 | 25 ppm | 100 ppm | Not established |
Propane | 74-98-6 | 1000 ppm | Not established | Not established |
Propylene Oxide | 75-56-9 | 2 ppm | Not established | Not established |

Product name: Netcare Vandalism Mark Remover
Product #: 870-001   Revision date: 21-OCT-2010   Print date: 21-OCT-2010
### OSHA

#### Components CAS #

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>TWA</th>
<th>STEL</th>
<th>Ceiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylene Chloride</td>
<td>75-09-2</td>
<td>25 ppm</td>
<td>125 ppm</td>
<td>Not established</td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>200 ppm</td>
<td>Not established</td>
<td>300 ppm</td>
</tr>
<tr>
<td>Perchloroethylene</td>
<td>127-18-4</td>
<td>100 ppm</td>
<td>Not established</td>
<td>200 ppm</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>1000 ppm</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td>Propylene Oxide</td>
<td>75-56-9</td>
<td>100 ppm</td>
<td>Not established</td>
<td>Not established</td>
</tr>
</tbody>
</table>

#### Personal protective equipment

**Eye / face protection**

Wear chemical goggles.

**Skin protection**

Wear appropriate chemical resistant clothing. Protective gloves.

**Respiratory protection**

Wear positive pressure self-contained breathing apparatus (SCBA).

#### 9. Physical & Chemical Properties

**Appearance**

Compressed liquefied gas.

**Boiling point**

102.2 °F (38.9 °C) estimated

**Color**

Pale yellow

**Density**

0.8933 g/cm³ estimated

**Flammability (HOC)**

18.61 kJ/g estimated

**Flash back**

Yes

**Flash point**

-156 °F (-104.4 °C) Propellant

**Form**

Aerosol.

**Freezing point**

Not available

**Odor**

Solvent.

**pH**

Not applicable

**Physical state**

Liquid.

**Pressure**

40 - 55 psig @ 70F

**Solubility**

Negligible

**Specific gravity**

0.8934 estimated

#### 10. Chemical Stability & Reactivity Information

**Chemical stability**

Risk of ignition. Stable at normal conditions.

**Conditions to avoid**

Heat, flames and sparks.

**Incompatible materials**

Strong oxidizing agents.

**Hazardous decomposition products**


#### 11. Toxicological Information

**Acute effects**

Acute LC50: 82 mg/l/4h estimated, Rat, Inhalation

Acute LD50: 55930 mg/kg estimated, Rat, Dermal

**Component analysis - LD50**

- **Toxicology Data - Selected LD50s and LC50s**
  - Methylene Chloride
  - n-Butane
  - Perchloroethylene
  - Propane
  - Propylene Oxide
  - Toluene

**Sensitization**

Not expected to be hazardous by OSHA criteria.

**Carcinogenicity**

Hazardous by OSHA criteria.

- **IARC - Group 2A (Probably Carcinogenic to Humans)**
  - Perchloroethylene

- **IARC - Group 2B (Possibly Carcinogenic to Humans)**
  - Methylene Chloride
  - Propylene Oxide
12. Ecological Information

Ecotoxicity
LC50 32.2 mg/L, Fish, 96.00 Hours,
EC50 30.14 mg/L, Daphnia, 48.00 Hours,
IC50 633 mg/L, Algae, 72.00 Hours,

13. Disposal Considerations

Waste codes
D001: Waste Flammable material with a flash point <140 F
D039: Waste Tetrachloroethylene

Disposal instructions
Contents under pressure. Dispose of this material and its container at hazardous or special waste collection point. 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
Subsidiary hazard class
6.1
UN number
1950
Marine pollutant
Tetrachloroethylene
Additional information:
Packaging exceptions
NOT a LTQ QTY
Labels required
2.1, 6.1

IATA
Basic shipping requirements:
Proper shipping name
Aerosols, flammable, containing substances in Division 6.1, Packing Group III
Hazard class
2.1
Subsidiary hazard class
6.1
UN number
1950
Additional information:
Packaging exceptions
LTD QTY
Labels required
2.1, 6.1

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
Methylene Chloride 75-09-2 0.1 % de minimis concentration
Perchloroethylene 127-18-4 0.1 % de minimis concentration
Propylene Oxide 75-56-9 0.1 % de minimis concentration
Toluene 108-88-3 1.0 % de minimis concentration
Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical

Yes

CERCLA (Superfund) reportable quantity

Methylene Chloride: 1000.0000
Toluene: 1000.0000
Perchloroethylene: 100.0000
Propylene Oxide: 100.0000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

Hazard categories (311/312) Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - Yes
Pressure Hazard - Yes
Reactivity Hazard - No

Inventory status

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

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

Methylene Chloride 75-09-2 Environmental hazard; Special hazardous substance
n-Butane 106-97-8 Present
Perchloroethylene 127-18-4 Environmental hazard; Special hazardous substance
Propane 74-98-6 Present
Propylene Oxide 75-56-9 Environmental hazard; Special hazardous substance
Toluene 108-88-3 Environmental hazard

16. Other Information

Further information

HMIS® ratings

Health: 2*
Flammability: 2
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. 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

Product and Company Identification: Product Review
Physical & Chemical Properties: Physical & Chemical Properties
Physical & Chemical Properties: Appearance
Transport Information: Product Shipping Name/Packing Group

Prepared by

Regulatory Compliance