SAFETY DATA SHEET

1. Identification
Product number 1000010459
Product identifier Vandalism Mark & Stain Remover
Company information Claire Manufacturing Co.
1005 S. Westgate Drive
Addison, IL 60101 United States
Company phone General Assistance 1-630-543-7600
Emergency telephone US 1-866-836-8855
Emergency telephone outside US 1-952-852-4646
Version # 01
Recommended use Cleaner
Recommended restrictions None known.

2. Hazard(s) identification
Physical hazards Flammable aerosols Category 1
Health hazards Skin corrosion/irritation Category 2
Germ cell mutagenicity Category 1
Carcinogenicity Category 1
Reproductive toxicity Category 2
Specific target organ toxicity, repeated exposure Category 2
Aspiration hazard Category 1
Environmental hazards Hazardous to the aquatic environment, acute hazard Category 2
Hazardous to the aquatic environment, long-term hazard Category 2
OSHA defined hazards Not classified.

Label elements

Signal word Danger
Hazard statement Extremely flammable aerosol. May be fatal if swallowed and enters airways. Causes skin irritation. May cause genetic defects. May cause cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.
Precautionary statement
Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not breathe gas. Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response If swallowed: Immediately call a poison center/doctor. If on skin: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. Specific treatment (see this label). Do NOT induce vomiting. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Collect spillage.
Storage Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC) None known.
3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylene Chloride</td>
<td></td>
<td>75-09-2</td>
<td>40 - 60</td>
</tr>
<tr>
<td>Butane</td>
<td></td>
<td>106-97-8</td>
<td>20 - 40</td>
</tr>
<tr>
<td>Perchloroethylene</td>
<td></td>
<td>127-18-4</td>
<td>10 - 20</td>
</tr>
<tr>
<td>Toluene</td>
<td></td>
<td>108-88-3</td>
<td>10 - 20</td>
</tr>
<tr>
<td>Propane</td>
<td></td>
<td>74-98-6</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>Cocoyl Diethanolamide</td>
<td></td>
<td>68603-42-9</td>
<td>1 - 2.5</td>
</tr>
<tr>
<td>Diethanolamine</td>
<td></td>
<td>111-42-2</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Propylene Oxide</td>
<td></td>
<td>75-56-9</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Other components below reportable levels</td>
<td></td>
<td></td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation
Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact
Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact
Rinse with water. Get medical attention if irritation develops and persists.

Ingestion
Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Indication of immediate medical attention and special treatment needed
Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information
IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. Fire-fighting measures

Suitable extinguishing media
Powder. Foam. Carbon dioxide (CO2).

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical
Contents under pressure. Pressurized container may explode when exposed to heat or flame.

Special protective equipment and precautions for firefighters
Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Fire-fighting equipment/instructions
Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Specific methods
Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

General fire hazards
Extremely flammable aerosol.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not breathe gas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up
Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Prevent entry into waterways, sewer, basements or confined areas. For waste disposal, see section 13 of the SDS.

Environmental precautions
Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage
Precautions for safe handling
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Do not breathe gas. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Use only in well-ventilated areas. Should be handled in closed systems, if possible. Pregnant or breastfeeding women must not handle this product. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities
Level 1 Aerosol.

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

<table>
<thead>
<tr>
<th>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylenedichloride (CAS 75-09-2)</td>
<td>STEL</td>
<td>125 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>25 ppm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane (CAS 74-98-6)</td>
<td>PEL</td>
<td>1800 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1000 ppm</td>
</tr>
<tr>
<td>Propylene Oxide (CAS 75-56-9)</td>
<td>PEL</td>
<td>240 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100 ppm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. OSHA Table Z-2 (29 CFR 1910.1000)</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perchloroethylene (CAS 127-18-4)</td>
<td>Ceiling</td>
<td>200 ppm</td>
</tr>
<tr>
<td>Toluene (CAS 108-88-3)</td>
<td>TWA</td>
<td>100 ppm</td>
</tr>
<tr>
<td></td>
<td>Ceiling</td>
<td>300 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>200 ppm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. ACGIH Threshold Limit Values</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butane (CAS 106-97-8)</td>
<td>STEL</td>
<td>1000 ppm</td>
<td>Inhalable fraction and vapor.</td>
</tr>
<tr>
<td>Diethanolamine (CAS 111-42-2)</td>
<td>TWA</td>
<td>1 mg/m3</td>
<td></td>
</tr>
<tr>
<td>Methylenedichloride (CAS 75-09-2)</td>
<td>TWA</td>
<td>50 ppm</td>
<td></td>
</tr>
<tr>
<td>Perchloroethylene (CAS 127-18-4)</td>
<td>STEL</td>
<td>100 ppm</td>
<td></td>
</tr>
<tr>
<td>Propylene Oxide (CAS 75-56-9)</td>
<td>TWA</td>
<td>25 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>2 ppm</td>
<td></td>
</tr>
<tr>
<td>Components</td>
<td>Type</td>
<td>Value</td>
<td>Form</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>--------</td>
<td>-----------</td>
<td>------</td>
</tr>
<tr>
<td>Toluene (CAS 108-88-3)</td>
<td>TWA</td>
<td>20 ppm</td>
<td></td>
</tr>
<tr>
<td>Butane (CAS 106-97-8)</td>
<td>TWA</td>
<td>1900 mg/m³</td>
<td>800 ppm</td>
</tr>
<tr>
<td>Diethanolamine (CAS 111-42-2)</td>
<td>TWA</td>
<td>15 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Propane (CAS 74-98-6)</td>
<td>TWA</td>
<td>3 ppm</td>
<td></td>
</tr>
<tr>
<td>Toluene (CAS 108-88-3)</td>
<td>STEL</td>
<td>560 mg/m³</td>
<td>150 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>375 mg/m³</td>
<td>100 ppm</td>
</tr>
</tbody>
</table>

### Biological limit values

**ACGIH Biological Exposure Indices**

<table>
<thead>
<tr>
<th>Components</th>
<th>Value</th>
<th>Determinant</th>
<th>Specimen</th>
<th>Sampling Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylene Chloride (CAS 75-09-2)</td>
<td>0.3 mg/l</td>
<td>Dichloromethane</td>
<td>Urine</td>
<td>*</td>
</tr>
<tr>
<td>Perchloroethylene (CAS 127-18-4)</td>
<td>0.5 mg/l</td>
<td>Tetrachloroethylene</td>
<td>Blood</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td>3 ppm</td>
<td>Tetrachloroethylene</td>
<td>End-exhaled air</td>
<td>*</td>
</tr>
<tr>
<td>Toluene (CAS 108-88-3)</td>
<td>0.3 mg/g</td>
<td>o-Cresol, with hydrolysis</td>
<td>Creatinine in urine</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td>0.03 mg/l</td>
<td>Toluene</td>
<td>Urine</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td>0.02 mg/l</td>
<td>Toluene</td>
<td>Blood</td>
<td>*</td>
</tr>
</tbody>
</table>

* - For sampling details, please see the source document.

### Exposure guidelines

**US - California OELs: Skin designation**

- Diethanolamine (CAS 111-42-2): Can be absorbed through the skin.
- Toluene (CAS 108-88-3): Can be absorbed through the skin.

**US - Minnesota Haz Subs: Skin designation applies**

- Perchloroethylene (CAS 127-18-4): Skin designation applies.

**US ACGIH Threshold Limit Values: Skin designation**

- Diethanolamine (CAS 111-42-2): Can be absorbed through the skin.

**Appropriate engineering controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Wear safety glasses with side shields (or goggles).

**Hand protection**

Wear appropriate chemical resistant gloves.

**Skin protection**

- **Other**
  
  Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

**Respiratory protection**

If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
9. Physical and chemical properties

**Appearance**
- **Physical state**: Gas.
- **Form**: Aerosol.
- **Color**: Not available.
- **Odor**: Not available.
- **Odor threshold**: Not available.
- **pH**: Not available.
- **Melting point/freezing point**: Not available.
- **Initial boiling point and boiling range**: 87 °F (30.55 °C) estimated
- **Flash point**: -156.0 °F (-104.4 °C) Propellant estimated
- **Evaporation rate**: Not available.
- **Flammability (solid, gas)**: Not available.

**Upper/lower flammability or explosive limits**
- **Flammability limit - lower (%)**: Not available.
- **Flammability limit - upper (%)**: Not available.
- **Explosive limit - lower (%)**: Not available.
- **Explosive limit - upper (%)**: Not available.

**Vapor pressure**: 40 - 55 psig @20C estimated

**Vapor density**: Not available.

**Relative density**: Not available.

**Solubility(ies)**
- **Solubility (water)**: Not available.
- **Partition coefficient (n-octanol/water)**: Not available.

**Auto-ignition temperature**: Not available.

**Decomposition temperature**: Not available.

**Viscosity**: Not available.

**Other information**
- **Specific gravity**: 0.473 estimated

10. Stability and reactivity

**Reactivity**: The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability**: Material is stable under normal conditions.

**Possibility of hazardous reactions**: Hazardous polymerization does not occur.

**Conditions to avoid**: Avoid temperatures exceeding the flash point. Contact with incompatible materials.


**Hazardous decomposition products**: Hydrogen chloride.

11. Toxicological information

**Information on likely routes of exposure**
- **Ingestion**: Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
- **Inhalation**: May cause damage to organs through prolonged or repeated exposure by inhalation. Prolonged inhalation may be harmful.
- **Skin contact**: Causes skin irritation.
- **Eye contact**: Direct contact with eyes may cause temporary irritation.
Symptoms related to the physical, chemical and toxicological characteristics


Information on toxicological effects

Acute toxicity

May be fatal if swallowed and enters airways.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butane (CAS 106-97-8)</td>
<td>Mouse</td>
<td>1237 mg/l, 120 Minutes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>52 %, 120 Minutes</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>1355 mg/l</td>
</tr>
<tr>
<td>Diethanolamine (CAS 111-42-2)</td>
<td>Rat</td>
<td>1100 mg/kg</td>
</tr>
<tr>
<td>Methylene Chloride (CAS 75-09-2)</td>
<td>Mouse</td>
<td>49 mg/l, 7 Hours</td>
</tr>
<tr>
<td>Propane (CAS 74-98-6)</td>
<td>Mouse</td>
<td>1237 mg/l, 120 Minutes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>52 %, 120 Minutes</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>1355 mg/l</td>
</tr>
<tr>
<td></td>
<td>658 mg/l/4h</td>
<td></td>
</tr>
<tr>
<td>Propylene Oxide (CAS 75-56-9)</td>
<td>Rabbit</td>
<td>950 - 1250 mg/kg, 4 Hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.5 ml/kg, 4 Hours</td>
</tr>
<tr>
<td></td>
<td>Rabbit</td>
<td>4197 ppm, 4 Hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4124 mg/m3, 4 Hours</td>
</tr>
<tr>
<td>Toluene (CAS 108-88-3)</td>
<td>Mouse</td>
<td>6405 - 7436 ppm, 6 Hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5320 ppm, 8 Hours</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>5879 - 6281 ppm, 6 Hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12.5 - 28.8 mg/l, 4 Hours</td>
</tr>
</tbody>
</table>
Components | Species | Test Results
--- | --- | ---
LD50 Oral Rat |  | 5000 mg/kg

* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation**
- Causes skin irritation.

**Serious eye damage/eye irritation**
- Direct contact with eyes may cause temporary irritation.

**Respiratory or skin sensitization**
- Respiratory sensitization: Not available.
- Skin sensitization: This product is not expected to cause skin sensitization.

**Germ cell mutagenicity**
- May cause genetic defects.

**Carcinogenicity**
- May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity
- Cocoyl Diethanolamide (CAS 68603-42-9): 2B Possibly carcinogenic to humans.
- Methylene Chloride (CAS 75-09-2): 2B Possibly carcinogenic to humans.
- Perchloroethylene (CAS 127-18-4): 2A Probably carcinogenic to humans.
- Propylene Oxide (CAS 75-56-9): 2B Possibly carcinogenic to humans.
- Toluene (CAS 108-88-3): 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
- Methylene Chloride (CAS 75-09-2): Cancer

US. National Toxicology Program (NTP) Report on Carcinogens
- Methylene Chloride (CAS 75-09-2): Reasonably Anticipated to be a Human Carcinogen.
- Perchloroethylene (CAS 127-18-4): Reasonably Anticipated to be a Human Carcinogen.
- Propylene Oxide (CAS 75-56-9): Reasonably Anticipated to be a Human Carcinogen.

**Reproductive toxicity**
- Suspected of damaging fertility or the unborn child.

**Specific target organ toxicity - single exposure**
- Not classified.

**Specific target organ toxicity - repeated exposure**

**Aspiration hazard**
- May be fatal if swallowed and enters airways.

**Chronic effects**
- Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. May cause damage to organs through prolonged or repeated exposure.

**12. Ecological information**

**Ecotoxicity**
- Toxic to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethanolamine (CAS 111-42-2)</td>
<td>Algae</td>
<td>IC50 7.8 mg/L, 72 Hours</td>
</tr>
<tr>
<td></td>
<td>Crustacea</td>
<td>EC50 55 mg/L, 48 Hours</td>
</tr>
<tr>
<td></td>
<td>Fish</td>
<td>LC50 100 mg/l, 96 hours</td>
</tr>
<tr>
<td>Methylene Chloride (CAS 75-09-2)</td>
<td>Algae</td>
<td>IC50 500.0001 mg/L, 72 Hours</td>
</tr>
<tr>
<td></td>
<td>Crustacea</td>
<td>EC50 1689.5 mg/L, 48 Hours</td>
</tr>
<tr>
<td></td>
<td>Fish</td>
<td>LC50 1250 mg/l, 48 hours</td>
</tr>
<tr>
<td>Perchloroethylene (CAS 127-18-4)</td>
<td>Crustacea</td>
<td>EC50 7.55 mg/L, 48 Hours</td>
</tr>
<tr>
<td></td>
<td>Fish</td>
<td>Water flea (Daphnia magna) 6.1 - 9 mg/l, 48 hours</td>
</tr>
<tr>
<td>Components</td>
<td>Species</td>
<td>Test Results</td>
</tr>
<tr>
<td>------------</td>
<td>---------</td>
<td>--------------</td>
</tr>
<tr>
<td>Propylene Oxide (CAS 75-56-9)</td>
<td>LC50</td>
<td>Rainbow trout, donaldson trout (Oncorhynchus mykiss)</td>
</tr>
<tr>
<td></td>
<td>Aquatic</td>
<td>Crustacea</td>
</tr>
<tr>
<td>Toluene (CAS 108-88-3)</td>
<td>Aquatic</td>
<td>Algae</td>
</tr>
<tr>
<td></td>
<td>Aquatic</td>
<td>Crustacea</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fish</td>
<td>LC50</td>
</tr>
</tbody>
</table>

* Estimates for product may be based on additional component data not shown.

**Persistence and degradability**

No data is available on the degradability of this product.

**Bioaccumulative potential**

No data available.

**Partition coefficient n-octanol / water (log Kow)**

<table>
<thead>
<tr>
<th>Component</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butane</td>
<td>2.89</td>
</tr>
<tr>
<td>Diethanolamine</td>
<td>-1.43</td>
</tr>
<tr>
<td>Methylene Chloride</td>
<td>1.25</td>
</tr>
<tr>
<td>Perchloroethylene</td>
<td>3.4</td>
</tr>
<tr>
<td>Propane</td>
<td>2.36</td>
</tr>
<tr>
<td>Propylene Oxide</td>
<td>0.03</td>
</tr>
<tr>
<td>Toluene</td>
<td>2.73</td>
</tr>
</tbody>
</table>

**Mobility in soil**

No data available.

**Other adverse effects**

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. **Disposal considerations**

**Disposal instructions**

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations**

Dispose in accordance with all applicable regulations.

**Hazardous waste code**

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**US RCRA Hazardous Waste U List: Reference**

- Methylene Chloride (CAS 75-09-2) U080
- Perchloroethylene (CAS 127-18-4) U210
- Toluene (CAS 108-88-3) U220

**Waste from residues / unused products**

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

14. **Transport information**

**DOT**

- UN number: UN1950
- UN proper shipping name: Aerosols, flammable
- Transport hazard class(es):
  - Class: 2.1
  - Subsidiary risk: -
  - Label(s): 2.1
- Packing group: Not applicable.
Special precautions for user Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

Special provisions N82
Packaging exceptions 306
Packaging non bulk None
Packaging bulk None

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

IATA
UN number UN1950
UN proper shipping name Aerosols, flammable
Transport hazard class(es)
  Class 2.1
  Subsidiary risk -
  Label(s) 2.1
Packing group Not applicable.
Environmental hazards Yes
ERG Code 10L
Special precautions for user Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

Other information
  Passenger and cargo aircraft Allowed.
  Cargo aircraft only Allowed.
Packaging Exceptions LTD QTY

IMDG
UN number UN1950
UN proper shipping name AEROSOLS
Transport hazard class(es)
  Class 2.1
  Subsidiary risk -
  Label(s) 2.1
Packing group Not applicable.
Environmental hazards Marine pollutant Yes
EmS Not available.
Special precautions for user Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
Packaging Exceptions LTD QTY
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.
General information

IMDG Regulated Marine Pollutant.

15. Regulatory information

US federal regulations

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

All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

- Diethanolamine (CAS 111-42-2) Listed.
- Methylene Chloride (CAS 75-09-2) Listed.
- Perchloroethylene (CAS 127-18-4) Listed.
- Propylene Oxide (CAS 75-56-9) Listed.
- Toluene (CAS 108-88-3) Listed.

SARA 304 Emergency release notification

Propylene Oxide (CAS 75-56-9) 100 LBS

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

- Methylene Chloride (CAS 75-09-2)
  - Cancer
  - Heart
  - Central nervous system
  - Liver
  - Skin irritation
  - Eye irritation

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

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

SARA 302 Extremely hazardous substance

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>Reportable quantity</th>
<th>Threshold planning quantity, lower value</th>
<th>Threshold planning quantity, upper value</th>
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</thead>
<tbody>
<tr>
<td>Propylene Oxide</td>
<td>75-56-9</td>
<td>100</td>
<td>10000 lbs</td>
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</tr>
<tr>
<td>SARA 311/312 Hazardous chemical</td>
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<td></td>
<td></td>
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</table>

SARA 313 (TRI reporting)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylene Chloride</td>
<td>75-09-2</td>
<td>40 - 60</td>
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</table>
SARA 313 (TRI reporting)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perchloroethylene</td>
<td>127-18-4</td>
<td>10 - 20</td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>10 - 20</td>
</tr>
<tr>
<td>Diethanolamine</td>
<td>111-42-2</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Propylene Oxide</td>
<td>75-56-9</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
- Diethanolamine (CAS 111-42-2)
- Methylene Chloride (CAS 75-09-2)
- Perchloroethylene (CAS 127-18-4)
- Propylene Oxide (CAS 75-56-9)
- Toluene (CAS 108-88-3)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
- Butane (CAS 106-97-8)
- Propane (CAS 74-98-6)
- Propylene Oxide (CAS 75-56-9)

Safe Drinking Water Act (SDWA) Not regulated.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number
- Toluene (CAS 108-88-3) 6594

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))
- Toluene (CAS 108-88-3) 35 %WV

DEA Exempt Chemical Mixtures Code Number
- Toluene (CAS 108-88-3) 594

US state regulations

US. Massachusetts RTK - Substance List
- Butane (CAS 106-97-8)
- Diethanolamine (CAS 111-42-2)
- Methylene Chloride (CAS 75-09-2)
- Perchloroethylene (CAS 127-18-4)
- Propane (CAS 74-98-6)
- Propylene Oxide (CAS 75-56-9)
- Toluene (CAS 108-88-3)

US. New Jersey Worker and Community Right-to-Know Act
- Butane (CAS 106-97-8)
- Diethanolamine (CAS 111-42-2)
- Methylene Chloride (CAS 75-09-2)
- Perchloroethylene (CAS 127-18-4)
- Propane (CAS 74-98-6)
- Propylene Oxide (CAS 75-56-9)
- Toluene (CAS 108-88-3)

US. Pennsylvania Worker and Community Right-to-Know Law
- Butane (CAS 106-97-8)
- Diethanolamine (CAS 111-42-2)
- Methylene Chloride (CAS 75-09-2)
- Perchloroethylene (CAS 127-18-4)
- Propane (CAS 74-98-6)
- Propylene Oxide (CAS 75-56-9)
- Toluene (CAS 108-88-3)

US. Rhode Island RTK
- Butane (CAS 106-97-8)
- Diethanolamine (CAS 111-42-2)
- Methylene Chloride (CAS 75-09-2)
- Perchloroethylene (CAS 127-18-4)
- Propane (CAS 74-98-6)
- Propylene Oxide (CAS 75-56-9)
- Toluene (CAS 108-88-3)
US. California Proposition 65
WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance
Cocoyl Diethanolamide (CAS 68603-42-9) Listed: June 22, 2012
Diethanolamine (CAS 111-42-2) Listed: June 22, 2012
Methylene Chloride (CAS 75-09-2) Listed: April 1, 1988
Perchloroethylene (CAS 127-18-4) Listed: April 1, 1988
Propylene Oxide (CAS 75-56-9) Listed: October 1, 1988

US - California Proposition 65 - CRT: Listed date/Developmental toxin
Toluene (CAS 108-88-3) Listed: January 1, 1991

US - California Proposition 65 - CRT: Listed date/Female reproductive toxin
Toluene (CAS 108-88-3) Listed: August 7, 2009

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</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>Yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>No</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>Yes</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).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 02-03-2015
Version # 01

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.