1. Product and Company Identification

Product number: 856-001
Product name: Baseboard Wax Stripper
Effective date: 27-Jan-2011
Company information: Claire Manufacturing Co.
1005 S. Westgate Drive
Addison, IL 60101 United States
Company phone: General Assistance 630-543-7600
Emergency telephone US: 800-424-9300
Emergency telephone outside US: 703-527-3887
Version #: 09
Supersedes date: 25-Oct-2010

2. Hazards Identification

Emergency overview: Aerosol. CONTENTS UNDER PRESSURE. Harmful in contact with eyes. Prolonged exposure may cause chronic effects.

Potential health effects:
- Routes of exposure: Inhalation. Eye contact. Skin contact. Ingestion.
- Eyes: Contact may irritate or burn eyes. Eye contact may result in corneal injury.
- Skin: Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
- Inhalation: Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Prolonged inhalation may be harmful.
- Ingestion: Exposure by ingestion of an aerosol is unlikely. Components of the product may be absorbed into the body by ingestion.

Target organs: 2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged and may cause blood damage. These effects have not been observed in humans.
- Central nervous system. Lungs.

Chronic effects: Unconsciousness. Conjunctiva. Cyanosis (blue tissue condition, nails, lips, and/or skin). May be harmful if absorbed through skin. 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 injury.


3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>20 - 30</td>
</tr>
<tr>
<td>n-Butane</td>
<td>106-97-8</td>
<td>5 - 8</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>1 - 3</td>
</tr>
<tr>
<td>Non-hazardous and other components below reportable levels</td>
<td></td>
<td>60 - 80</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 and persists.
- Skin contact: Wash off with warm water and soap. Get medical attention immediately.
Inhalation
Move to fresh air. Do not use mouth-to-mouth method if victim inhaled the substance. If inhalation of gas/fume/vapor/dust/mist from the material is excessive (air concentration is greater than the TLV or health effects are noticed), immediately remove the affected person(s) to fresh air. Call a physician if symptoms develop or persist.

Ingestion
If ingestion of a large amount does occur, call a poison control center immediately.

Notes to physician
Symptoms may be delayed.

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: Alcohol foam. Dry chemical. Carbon dioxide (CO2).

Protection of firefighters
Protective equipment and precautions for firefighters: In case of fire and/or explosion do not breathe fumes. Containers should be cooled with water to prevent vapor pressure build up.

6. Accidental Release Measures

Methods for containment
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.

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 surface thoroughly to remove residual contamination.

7. Handling and Storage

Handling
Pressurized container: Do not pierce or burn, even after use. Do not smoke while using or until sprayed surface is thoroughly dry. Do not use if spray button is missing or defective. Do not re-use empty containers. Do not get this material in contact with eyes. Avoid contact with skin. Avoid prolonged exposure.

Storage
Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Do not handle or store near an open flame, heat or other sources of ignition. Do not expose to heat or store at temperatures above 120°F/49°C as can may burst. Avoid exposure to long periods of sunlight. Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs. Level 1 Aerosol (NFPA 30B)

8. Exposure Controls / Personal Protection

Exposure limits

ACGIH

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>TWA</th>
<th>STEL</th>
<th>Ceiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>20 ppm</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td>n-Butane</td>
<td>106-97-8</td>
<td>1000 ppm</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>1000 ppm</td>
<td>Not established</td>
<td>Not established</td>
</tr>
</tbody>
</table>

OSHA

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>TWA</th>
<th>STEL</th>
<th>Ceiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>50 ppm</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>1000 ppm</td>
<td>Not established</td>
<td>Not established</td>
</tr>
</tbody>
</table>

Personal protective equipment

Skin protection
Wear appropriate chemical resistant clothing.

Respiratory protection
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. 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**: 255.2 °F (123.9 °C) estimated
- **Color**: Brown.
- **Density**: 0.9268 g/cm³ estimated
- **Flammability (HOC)**: 10.6737 kJ/g estimated
- **Flash back**: No
- **Flash point**: -156 °F (-104.4 °C) Propellant
- **Form**: Aerosol.
- **Freezing point**: Not available
- **Odor**: Solvent.
- **pH**: 11.5 - 12.5
- **Physical state**: Liquid.
- **Pressure**: 55 - 70 psig @ 70F
- **Solubility**: Partially
- **Specific gravity**: 0.9269 estimated

10. Chemical Stability & Reactivity Information

- **Chemical stability**: Risk of ignition.
- **Conditions to avoid**: Heat, flames and sparks.
- **Hazardous decomposition products**: No hazardous decomposition products are known.

11. Toxicological Information

- **Acute effects**: Acute LD50: 956 mg/kg estimated, Rat, Dermal
- **Component analysis - LD50**
  - **Toxicology Data - Selected LD50s and LC50s**
    - 2-Butoxyethanol: 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
    - 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

12. Ecological Information

- **Ecotoxicity**: LC50 917 mg/L estimated, Fish, 96.00 Hours, EC50 1762 mg/L estimated, Daphnia, 48.00 Hours, IC50 196 mg/L estimated, Algae, 72.00 Hours, Contains a substance which causes risk of hazardous effects to the environment.

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]
- **Disposal instructions**: Contents under pressure. Do not puncture, incinerate or crush. Dispose of this material and its container to 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.
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
  - Labels required: None

IATA

Basic shipping requirements:
- Proper shipping name: Aerosols, flammable
- Hazard class: 2.1
- UN number: 1950
- Additional information:
  - Packaging 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
- 2-Butoxyethanol: 111-76-2
- 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)

Occupational Safety and Health Administration (OSHA)
- 29 CFR 1910.1200 hazardous chemical: Yes

CERCLA (Superfund) reportable quantity
- None

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

<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>No</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>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

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

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
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</tr>
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<tbody>
<tr>
<td>2-Butoxyethanol</td>
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<td>Propane</td>
<td>74-98-6</td>
<td>Present</td>
</tr>
</tbody>
</table>

### 16. Other Information

**Further information**

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

**HMIS® ratings**

- Health: 1*
- 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 in the sheet was written based on the best knowledge and experience currently available.

**MSDS sections updated**

- Hazards Identification: Target organs
- Hazards Identification: Chronic effects
- Transport Information: Agency Name and Packaging Type/Transport Mode Selection
- Regulatory Information: State regulations

**Prepared by**

Regulatory Compliance