1. Product and Company Identification

Product number: 098
Product name: Carpet Spotter Plus
Effective date: 11-Sep-2009
Company information: Big D Industries Inc
Company phone: General Assistance 800-654-4752
Emergency telephone US: 800-424-9300
Emergency telephone outside US: 703-527-3887
Version #: 05
Supersedes date: 13-Nov-2007

2. Hazards Identification

Emergency overview: Will be easily ignited by heat, spark or flames. CONTENTS UNDER PRESSURE. Aerosol. May be harmful if absorbed through skin. Prolonged exposure may cause chronic effects.

Potential health effects:

Routes of exposure:
- Inhalation
- Skin contact
- Eye contact

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

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. Prolonged inhalation may be harmful.

Ingestion: Exposure by ingestion of an aerosol is unlikely. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause delayed lung damage.

Target organs: Kidney.

Chronic effects: 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. Blood. Central nervous system. Liver. Respiratory system.


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>15 - 20</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>3 - 5</td>
</tr>
<tr>
<td>n-Butane</td>
<td>106-97-8</td>
<td>1 - 3</td>
</tr>
</tbody>
</table>

Non-hazardous and other components below reportable levels: 60 - 80

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: Immediately flush skin with plenty of water. Remove and isolate contaminated clothing and shoes. Get medical attention immediately. Wash clothing separately before reuse.
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.

Ingestion
Rinse mouth. 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
Alcohol foam. Dry chemical. Carbon dioxide (CO2).

Protection of 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. 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. 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

<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>Propane</td>
<td>74-98-6</td>
<td>1000 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>
</tbody>
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<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>
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</tbody>
</table>

Personal protective equipment
Eye / face protection
Wear chemical goggles.

Skin protection
Protective gloves. Wear chemical protective equipment that is specifically recommended by the manufacturer.

Respiratory protection
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
9. Physical & Chemical Properties

Appearance
Compressed liquefied gas.

Boiling point
219.2 °F (103.9 °C) estimated

Color
Colorless.

Flammability (HOC)
8.06 kJ/g estimated

Flash back
No

Flash point
-156 °F (-104.4 °C) estimated

Form
Aerosol.

Odor
Butyl

pH
11 - 12

Physical state
Liquid.

Pressure
70 - 80 psig @70F

Solubility
Completely

Specific gravity
0.9314 estimated

10. Chemical Stability & Reactivity Information

Chemical stability
Risk of ignition. Stable at normal conditions.

Conditions to avoid
Heat, flames and sparks.

Hazardous decomposition products
May include oxides of nitrogen.

11. Toxicological Information

Acute effects
Acute LD50: 1215 mg/kg estimated, Rat, Dermal
Acute LC50: 12 mg/l/4h estimated, Rat, Inhalation

12. Ecological Information

Ecotoxicity
LC50 6215 mg/L, Fish, 96.00 Hours,
EC50 40960 mg/L, Daphnia, 48.00 Hours,
Components of this product have been identified as having potential environmental concerns.

13. Disposal Considerations

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

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
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)

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

Country(s) or region Inventory name On inventory (yes/no)*
China Inventory of Existing Chemical Substances in China (IECSC) Yes
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

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

2-Butoxyethanol 111-76-2 Present
n-Butane 106-97-8 Present
Propane 74-98-6 Present
16. Other Information

| 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.

**MSDS sections updated**
- Hazards Identification: Emergency overview
- Hazards Identification: Target organs
- Hazards Identification: Main symptoms
- Handling and Storage: Storage
- Transport Information: Product Shipping Name/Packing Group
- Regulatory Information: United States

**Prepared by**
Regulatory Compliance