MATERIAL SAFETY DATA SHEET

Section I – Product & Company Identification

Product Name: DRO BEDBUG AND LICE KILLER
Effective Date: September 17, 2010
Company Information: Specialty Products of America, LLC
516 Monceaux Road
West Palm Beach, FL 33405
Company Phone: 561-209-1800
Emergency Phone: 800-535-5053

Section II – Hazardous Ingredients

Emergency overview: Aerosol. CONTENTS UNDER PRESSURE.

Potential health effects:

Eyes: Health injuries are not known or expected under normal use.
Skin: Harmful if absorbed through the skin. Health injuries are not known or expected under normal use.
Inhalation: Intentional misuse by concentrating and inhaling the product can be harmful or fatal.
Ingestion: Exposure by ingestion of an aerosol is unlikely. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Target organs: Central nervous system.
Chronic effects: May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage.
Signs and symptoms: Narcosis.

Section III – Health Hazard

Components | CAS # | Percent
--- | --- | ---
Synthetic Isoparaffinic Hydrocarbon | 64742-47-8 | 15 - 20
Propane | 74-98-6 | 5 - 8
n-Butane | 106-97-8 | 5 - 8
Non-hazardous and other components below reportable levels | | 60 - 80

Section IV – 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. Call a physician or Poison Control Center immediately.
Skin contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician or Poison Control Center immediately.
Inhalation: Call a physician or Poison Control Center immediately.
Ingestion: Call a physician or Poison Control Center immediately. Do not induce vomiting without medical advice. Never give anything by mouth to a victim who is unconscious or is having convulsions.

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

Section V – Fire And Explosion Data

Flammable properties: Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard.
Suitable extinguishing media: Large Fires: Water spray, fog or regular foam.
Small Fires: Dry chemical, CO2, water spray or regular foam.

Protection of firefighters:

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. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions. ALWAYS stay away from tanks engulfed in flame. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. 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.
Section VI – 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. Prevent entry into waterways, sewers, basements or confined areas.

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

Section VII – Handling And Storage Procedures

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. 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. Keep away from heat, sparks, and flame. Avoid exposure to long periods of sunlight. Store in cool place. Keep container tightly closed. Keep the container dry. Keep out of the reach of children.

Section VIII – 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>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>
</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>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

Eye / face protection Not normally needed.
Skin protection Not normally needed.
Respiratory protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Section IX – Physical And Chemical Data

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Compressed liquefied gas.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling point</td>
<td>206.6 °F (97.2 °C) estimated</td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Flammability (HOC)</td>
<td>13.2705 kJ/g estimated</td>
</tr>
<tr>
<td>Flash back</td>
<td>No</td>
</tr>
<tr>
<td>Flash point -</td>
<td>156 °F (-104.4 °C) Propellant</td>
</tr>
<tr>
<td>Form</td>
<td>Aerosol</td>
</tr>
<tr>
<td>Odor</td>
<td>None known.</td>
</tr>
<tr>
<td>pH</td>
<td>3.7 - 5.7</td>
</tr>
<tr>
<td>Physical state</td>
<td>Liquid.</td>
</tr>
<tr>
<td>Pressure</td>
<td>75 - 85 psig @70F</td>
</tr>
<tr>
<td>Solubility</td>
<td>Partially</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>0.8575 estimated</td>
</tr>
</tbody>
</table>

Section X – Reactivity Data

Chemical stability Risk of ignition. Stable at normal conditions.
Conditions to avoid Heat, flames and sparks.
Incompatible materials Strong oxidizing agents.
Hazardous decomposition products May include oxides of nitrogen.

Section XI – Toxicological Information

Acute effects

Acute LD50: 12481 mg/kg estimated, Rat, Dermal
Acute LC50: 32 mg/l/4h estimated, Rat, Inhalation
Acute LC50: , Rat, Inhalation

Component analysis - LD50

Toxicology Data - Selected LD50s and LC50s

<table>
<thead>
<tr>
<th>Component</th>
<th>LD50 (mg/kg)</th>
<th>LC50 (mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Butane</td>
<td>106-97-8</td>
<td>Inhalation LC50 Rat 658 mg/L 4 h</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>Inhalation LC50 Rat 658 mg/L 4 h</td>
</tr>
</tbody>
</table>
Sensitization Not expected to be hazardous by OSHA criteria.

Teratogenicity Not expected to be hazardous by OSHA criteria.

Section XII – Ecological Information

Ecotoxicity LC50 281 mg/L estimated, Fish, 96.00 Hours, Components of this product have been identified as having potential environmental concerns. Components of this product are hazardous to aquatic life.

Section XIII – Disposal Considerations

Waste codes D001: Waste Flammable material with a flash point <140 F
Disposal instructions Consult authorities before disposal. Contents under pressure. 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.

Section XIV – 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 bulk 156, 306
Packaging non bulk None
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:
Packaging exceptions LTD QTY
Labels required 2.1

Section XV – Regulatory Information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
CERCLA/SARA Hazardous Substances - Not applicable.
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 - No
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
U.S. - Pennsylvania - RTK (Right to Know) List
n-Butane 106-97-8 Present
Propane 74-98-6 Present
Synthetic Isoparaffinic 64742-47-8 Present
Hydrocarbon

Section XVI – Other Information
Further information HMIS Trademark Statement
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.