1. Product and Company Identification

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Sergeant's Evolve™ 61 Flea &amp; Tick Squeeze-On for Dogs/ EPA Reg. No. 2517-130</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS #</td>
<td>Mixture</td>
</tr>
<tr>
<td>Product use</td>
<td>Flea &amp; tick squeeze-on for dogs</td>
</tr>
<tr>
<td>Manufacturer</td>
<td>Sergeant's Pet Care Products, Inc.</td>
</tr>
<tr>
<td></td>
<td>2625 South 158th Plaza</td>
</tr>
<tr>
<td></td>
<td>Omaha, NE 68130-1770 US</td>
</tr>
<tr>
<td></td>
<td>Phone: 1-800-224-7387</td>
</tr>
<tr>
<td></td>
<td>Fax: 1-402-938-7099</td>
</tr>
<tr>
<td></td>
<td>Emergency Phone: 1-800-781-4738</td>
</tr>
</tbody>
</table>

CHEMTREC

1-800-424-9300

LEGEND

HMIS

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>/ 1</td>
</tr>
<tr>
<td>Flammability</td>
<td>1</td>
</tr>
<tr>
<td>Physical Hazard</td>
<td>0</td>
</tr>
<tr>
<td>Personal Protection</td>
<td>B</td>
</tr>
</tbody>
</table>

2. Hazards Identification

Emergency overview

CAUTION

EYE AND SKIN IRRITANT.

Potential short term health effects

Routes of exposure

Eye, Skin contact, Skin absorption, Inhalation, Ingestion.

Eyes

Causes irritation.

Skin

May cause irritation. May be absorbed through the skin.

Inhalation

May cause respiratory tract irritation.

Ingestion

Harmful if swallowed. May cause stomach distress, nausea or vomiting.

Target organs

Eyes, Skin.

Chronic effects

Prolonged or repeated exposure can cause drying, defatting and dermatitis. May cause skin sensitization in sensitive individuals.

Signs and symptoms

Symptoms include itching, burning, redness and tearing.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol, 2-(2-ethoxyethoxy)-</td>
<td>111-90-0</td>
<td>40 - 60</td>
</tr>
<tr>
<td>Cyphenothrin</td>
<td>39515-40-7</td>
<td>20 - 40</td>
</tr>
<tr>
<td>Pyriproxyfen</td>
<td>95737-68-1</td>
<td>1 - 2.5</td>
</tr>
</tbody>
</table>

4. First Aid Measures

First aid procedures

Eye contact

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin contact

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation

If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion
Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

Notes to physician
Treat patient symptomatically.

General advice
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. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire Fighting Measures

Flammable properties
Not flammable by OSHA criteria.

Extinguishing media
Suitable extinguishing media

Unsuitable extinguishing media
Not available

Protection of firefighters
Specific hazards arising from the chemical
Not available

Protective equipment for firefighters
Firefighters should wear full protective clothing including self contained breathing apparatus.

Hazardous combustion products
May include and are not limited to: Oxides of carbon. Oxides of nitrogen.

Explosion data
Sensitivity to mechanical impact
Not available

Sensitivity to static discharge
Not available

6. Accidental Release Measures

Personal precautions
Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

Methods for containment
Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. Use water spray to reduce vapors or divert vapor cloud drift.

Methods for cleaning up
Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use. Large Spills: Wet down with water and dike for later disposal. After removal flush contaminated area thoroughly with water.

7. Handling and Storage

Handling
Use good industrial hygiene practices in handling this material.

Storage
Keep out of reach of children. Store in a closed container away from incompatible materials.
8. Exposure Controls / Personal Protection

<table>
<thead>
<tr>
<th>Exposure limits</th>
<th>Ingredient(s)</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyphenothrin</td>
<td></td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td>Ethanol, 2-(2-ethoxyethoxy)-</td>
<td></td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 25 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td>Pyriproxyfen</td>
<td></td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not established</td>
</tr>
</tbody>
</table>

Engineering controls

Personal protective equipment

- **Eye / face protection**: Wear safety glasses with side shields.
- **Hand protection**: Rubber gloves. Confirm with a reputable supplier first.
- **Skin and body protection**: As required by employer code.
- **Respiratory protection**: Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
- **General hygiene considerations**: Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear.</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless</td>
</tr>
<tr>
<td>Form</td>
<td>Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Not available</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not available</td>
</tr>
<tr>
<td>Pour point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 200 °F (&gt; 93.33 °C)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability limits in air, lower, % by volume</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability limits in air, upper, % by volume</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor pressure</td>
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</tr>
<tr>
<td>Vapor density</td>
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</tr>
<tr>
<td>Specific gravity</td>
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</tr>
<tr>
<td>Octanol/water coefficient</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility (H2O)</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available</td>
</tr>
</tbody>
</table>

10. Stability and Reactivity

**Chemical stability**: Stable under recommended storage conditions.
11. Toxicological Information

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyphenothrin</td>
<td>Not available</td>
</tr>
<tr>
<td>Ethanol, 2-(2-ethoxyethoxy)-</td>
<td>Not available</td>
</tr>
<tr>
<td>Pyriproxyfen</td>
<td>Not available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyphenothrin</td>
<td>318 mg/kg rat</td>
</tr>
<tr>
<td>Ethanol, 2-(2-ethoxyethoxy)-</td>
<td>5500 mg/kg rat</td>
</tr>
<tr>
<td>Pyriproxyfen</td>
<td>2000 mg/kg rat</td>
</tr>
</tbody>
</table>

**Effects of acute exposure**
- **Eye**: Causes irritation.
- **Skin**: May cause irritation. May be absorbed through the skin.
- **Inhalation**: May cause respiratory tract irritation.
- **Ingestion**: Harmful if swallowed. May cause stomach distress, nausea or vomiting.
- **Sensitization**: Non-hazardous by OSHA criteria.
- **Chronic effects**: Non-hazardous by OSHA criteria.
- **Carcinogenicity**: Non-hazardous by OSHA criteria.
- **Mutagenicity**: Non-hazardous by OSHA criteria.
- **Reproductive effects**: Non-hazardous by OSHA criteria.
- **Teratogenicity**: Non-hazardous by OSHA criteria.
- **Synergistic Materials**: Not available

12. Ecological Information

**Ecotoxicity**
Components of this product have been identified as having potential environmental concerns.

**Ecotoxicity - Freshwater Fish Species Data**
- Ethanol, 2-(2-ethoxyethoxy)-: 111-90-0
  - 96 Hr LC50 Oncorhynchus mykiss: 11400-15700 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 11600-16700 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 10000 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 19100-23900 mg/L [flow-through]; 96 Hr LC50 Salmo gairdneri: 13400 mg/L [flow-through]

**Ecotoxicity - Water Flea Data**
- Ethanol, 2-(2-ethoxyethoxy)-: 111-90-0
  - 48 Hr EC50 Daphnia magna: 3940 - 4670 mg/L

**Environmental effects**: Not available
**Aquatic toxicity**: Not available
**Persistence / degradability**: Not available
**Bioaccumulation / accumulation**: Not available
**Partition coefficient**: Not available
**Mobility in environmental media**: Not available
**Chemical fate information**: Not available

13. Disposal Considerations

**Waste codes**: Not available
**Disposal instructions**: Review federal, state and local government requirements prior to disposal.
Waste from residues / unused products
Not available
Contaminated packaging
Not available

14. Transport Information

U.S. Department of Transportation (DOT)
Not regulated as dangerous goods.
IMDG (Marine Transport)
Not regulated as dangerous goods.
IATA/ICAO (Air)
Not regulated as dangerous goods.

15. 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. EPA registration number 2517-130

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 - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance
No

Section 311 hazardous chemical
Yes

Clean Air Act (CAA)
Not available

Clean Water Act (CWA)
Not available

State regulations
This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

U.S. - Minnesota - Hazardous Substance List
Ethanol, 2-(2-ethoxyethoxy)-
Inventory status
Present

Inventory name
On inventory (yes/no)*
Toxic Substances Control Act (TSCA) Inventory
No

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

Disclaimer
Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Issue date
20-May-2010

Effective date
01-May-2010

Prepared by
Dell Tech Laboratories Ltd. (519) 858-5021

Other information
For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.