Section 1: Identification

Product identifier

Product Name: Bio Spot Active Care Flea & Tick Spot On for Dogs
Synonyms: EPA Reg. No. 2724-829-89459
Product Description: Clear pale yellow to amber liquid.

Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Flea, tick & mosquito treatment for dogs and puppies.
Restrictions on use: Avoid contact with eyes and skin. Keep out of reach of children.

Details of the supplier of the safety data sheet

Manufacturer: Central Garden & Pet Company
1501 E. Woodfield Road, Suite 200W
Schaumburg, IL 60173
United States

Emergency telephone number

Manufacturer (Transportation): 1-800-424-9300 - CHEMTREC
Manufacturer (Transportation): 1-703-527-3887 - CHEMTREC - outside North America - Collect Calls Accepted
Manufacturer: 1-800-234-2269

Section 2: Hazard Identification

United States (US)
According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture
OSHA HCS 2012: Eye Mild Irritation 2B

Label elements
OSHA HCS 2012

WARNING

Hazard statements: Causes eye irritation

Precautionary statements
Prevention: Wash thoroughly after handling.
Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Other hazards
OSHA HCS 2012


Section 3 - Composition/Information on Ingredients

Substances

• Material does not meet the criteria of a substance.

Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Identifiers</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Etofenprox</td>
<td>CAS:80844-07-1</td>
<td>50%</td>
</tr>
<tr>
<td>(s)-Methoprene</td>
<td>CAS:65733-16-6</td>
<td>0.23%</td>
</tr>
<tr>
<td>Piperonyl butoxide</td>
<td>CAS:51-03-6</td>
<td>9.1%</td>
</tr>
<tr>
<td>Pyriproxyfen</td>
<td>CAS:95737-68-1</td>
<td>0.45%</td>
</tr>
<tr>
<td>Bicycloheptene dicarboximide</td>
<td>CAS:113-48-4</td>
<td>0.91%</td>
</tr>
<tr>
<td>Other ingredients</td>
<td>NDA</td>
<td>39.31%</td>
</tr>
</tbody>
</table>

Section 4: First-Aid Measures

Description of first aid measures

Inhalation
• IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison control center or doctor.

Skin
• IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

Eye
• IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion
• IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed
• Causes eye irritation. Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

Notes to Physician
• Treat symptomatically and supportively.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media
• LARGE FIRE: Water spray, fog or regular foam.
  SMALL FIRES: Dry chemical, CO2, water spray or regular foam.

Unsuitable Extinguishing Media
• Avoid heavy hose streams.

Firefighting Procedures
• Do not allow fire fighting water to escape into waterways or sewers.
Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards
- None known.

Hazardous Combustion Products
- Carbon monoxide and carbon dioxide.

Advice for firefighters
- Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions
- Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate enclosed areas. Use appropriate Personal Protective Equipment (PPE). Avoid contact with skin, eyes, and clothing.

Emergency Procedures
- Ventilate closed spaces before entering. Do not allow runoff into water, storm drains or drainage ditches.

Environmental precautions
- LARGE SPILLS: Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Containment/Clean-up Measures
- Stop leak if you can do it without risk.
- SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal.
- LARGE SPILLS: Dike far ahead of spill for later disposal.

Section 7 - Handling and Storage

Precautions for safe handling

Handling
- Use good safety and industrial hygiene practices. Avoid contact with skin or eyes. Use only with adequate ventilation. Avoid breathing fumes. Wash hands thoroughly with soap and water after handling.

Conditions for safe storage, including any incompatibilities

Storage
- Keep this product in its tightly closed original container when not in use. Store in a cool, dry area that is inaccessible to children and pets.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines
- Contains no substances with occupational exposure limit values.

Exposure controls

Engineering Measures/Controls
- Use adequate ventilation to remove vapors (fumes, dust, etc.)

Personal Protective Equipment

Pictograms

Respiratory
- Not required with normal use.

Eye/Face
- Wear safety glasses.

Hands
- Impervious gloves.
### Skin/Body
- Not required with normal use.

### Environmental Exposure
- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

## Section 9 - Physical and Chemical Properties

### Information on Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Material Description</th>
<th>Physical Form</th>
<th>Liquid</th>
<th>Appearance/Description</th>
<th>Clear pale yellow to amber liquid.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Pale yellow to amber.</td>
<td>Odor</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No data available</td>
<td></td>
<td></td>
<td></td>
</tr>
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</table>

### General Properties

<table>
<thead>
<tr>
<th>Boiling Point</th>
<th>No data available</th>
<th>Melting Point/Freezing Point</th>
<th>No data available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decomposition</td>
<td>No data available</td>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Temperature</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>Water=1</td>
<td>Density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative Density</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Not soluble</td>
<td>Viscosity</td>
<td>&lt; 100 Centipoise (cPs, cP) or mPas @ 20 C(68 F)</td>
</tr>
<tr>
<td>Viscosity</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Volatility</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No data available</td>
<td>Vapor Density</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No data available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Flammability

<table>
<thead>
<tr>
<th>Flash Point</th>
<th>160 C(320 F)</th>
<th>UEL</th>
<th>No data available</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEL</td>
<td>No data available</td>
<td>Autoignition</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not Flammable.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Environmental

<table>
<thead>
<tr>
<th>Octanol/Water Partition coefficient</th>
<th>No data available</th>
<th></th>
</tr>
</thead>
</table>

## Section 10: Stability and Reactivity

### Reactivity
- No dangerous reaction known under conditions of normal use.

### Chemical stability
- Stable

### Possibility of hazardous reactions
- Hazardous polymerization will not occur.

### Conditions to avoid
- Direct sunlight. Excessive heat.

### Incompatible materials
- Strong oxidizing agents.

### Hazardous decomposition products
- Thermal decomposition may produce oxides of carbon.

## Section 11 - Toxicological Information

### Information on toxicological effects

Preparation Date: 02/July/2015
Revision Date: 02/July/2015
### Acute Toxicity
- **Ingestion/Oral-Rat**: >5000 mg/kg
- **Skin-Rat**: >5000 mg/kg

### Irritation
- **Eye-Rabbit**: Moderate irritation
- **Skin-Rabbit**: Mild irritation

### GHS Properties

<table>
<thead>
<tr>
<th>Classification</th>
<th>CAS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Acute toxicity</strong></td>
<td>OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met</td>
</tr>
<tr>
<td><strong>Aspiration Hazard</strong></td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td><strong>Carcinogenicity</strong></td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td><strong>Germ Cell Mutagenicity</strong></td>
<td>OSHA HCS 2012 • Not classified - data lacking</td>
</tr>
<tr>
<td><strong>Skin corrosion/Irritation</strong></td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td><strong>Skin sensitization</strong></td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td><strong>STOT-RE</strong></td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td><strong>STOT-SE</strong></td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td><strong>Toxicity for Reproduction</strong></td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td><strong>Respiratory sensitization</strong></td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td><strong>Serious eye damage/Irritation</strong></td>
<td>OSHA HCS 2012 • Eye Mild irritation 2B</td>
</tr>
</tbody>
</table>

#### Route(s) of entry/exposure
- **Skin, Eye, Inhalation, Ingestion, Eyes, and Skin**

#### Potential Health Effects

##### Inhalation
- **Acute (Immediate)**: Under normal conditions of use, no health effects are expected.
- **Chronic (Delayed)**: No data available.

##### Skin
- **Acute (Immediate)**: May cause mild irritation.
- **Chronic (Delayed)**: Repeated exposure to etofenprox can cause skin irritation.

##### Eye
- **Acute (Immediate)**: Causes eye irritation.
- **Chronic (Delayed)**: No data available.

##### Ingestion
- **Acute (Immediate)**: Under normal conditions of use, no health effects are expected.
- **Chronic (Delayed)**: No data available.

### Toxicity

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>CAS Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Etofenprox (50%)</td>
<td>80844-07-1</td>
<td><strong>Crustacea:</strong> 96 Hour(s) LC50 Crustacea <em>Mysis shrimp</em> 0.0000188 mg/L; 48 Hour(s) LC50 Water Flea <em>Daphnia magna</em> 0.0008 mg/L; NOEC Water Flea <em>Daphnia magna</em> 0.00017 mg/L; <strong>Fish:</strong> 96 Hour(s) LC50 Fish <em>Sheepshead minnow</em> &gt;0.0165 mg/L; 96 Hour(s) LC50 Fish <em>Rainbow Trout</em> 0.0027 mg/L</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Crustacea:</strong> NOEC Crustacea <em>Mysis Shrimp</em> 0.014 mg/L [Chronic]; 48 Hour(s) LC50 Crustacea <em>Daphnia magna</em></td>
</tr>
</tbody>
</table>

---

**Preparation Date:** 02/July/2015
**Revision Date:** 02/July/2015

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**GHS Language: English (US)**
**OSHA HCS 2012**

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**Page 5 of 8**
**Persistence and degradability**

- No data available.

**Bioaccumulative potential**

- No data available.

**Mobility in Soil**

- Material data lacking.

**Other adverse effects**

- No studies have been found.

---

**Section 13 - Disposal Considerations**

**Waste treatment methods**

**Product waste**

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. Do not allow entry into storm drains, drainage ditches, gutters or surface waters.

**Packaging waste**

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. Do not reuse empty tube. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

---

**Section 14 - Transport Information**

<table>
<thead>
<tr>
<th>DOT</th>
<th>UN number</th>
<th>UN proper shipping name</th>
<th>Transport hazard class(es)</th>
<th>Packing group</th>
<th>Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>UN3082</td>
<td>Environmentally Hazardous Substance, Liquid, n.o.s. (etofenprox)</td>
<td>9</td>
<td>III</td>
<td>Marine Pollutant</td>
</tr>
<tr>
<td>IMO/IMDG</td>
<td>UN3082</td>
<td>Environmentally Hazardous Substance, Liquid, n.o.s. (etofenprox)</td>
<td>9</td>
<td>III</td>
<td>Marine Pollutant</td>
</tr>
<tr>
<td>IATA/ICAO</td>
<td>UN3082</td>
<td>Environmentally Hazardous Substance, Liquid, n.o.s. (etofenprox)</td>
<td>9</td>
<td>III</td>
<td>Acute Aquatic Toxicity</td>
</tr>
</tbody>
</table>

**Special precautions for user**

- None specified.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

- Not relevant.
Other information

IMO/IMDG • Limited quantity 5L, excepted quantity 30mL
IATA/ICAO • Limited quantity 5L, excepted quantity 30mL

Key to abbreviations
= N/A = Not applicable.

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • Acute, SARA Title III Section 313

FIFRA – Pesticide Labeling

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

CAUTION

Precautionary Statements • Keep out of reach of children.

Hazards to Humans and Domestic Animals

Hazards to Humans: Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Hazards to Domestic Animals: DO NOT USE ON OTHER ANIMALS. Do not use on dogs or puppies less than 12 weeks old or weighing less than 5 lbs. Do not use this product on debilitated, aged, medicated, pregnant or nursing animals or on animals known to be sensitive to pesticide products without first consulting a veterinarian.

Sensitivity, such as slight transitory redness of the skin at the site of application, may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap, rinse with large amounts of water, and consult a veterinarian immediately.

First Aid • IF IN EYES: 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.

IF ON SKIN: 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.

PESTICIDE STORAGE: Keep this product in its tightly closed original container, when not in use. Store in a cool, dry (preferably locked) area that is inaccessible to children and pets.

CONTAINER DISPOSAL: Do not reuse empty cartridge [vial][tube]. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>(s)-Methoprene</td>
<td>65733-16-6</td>
<td>No</td>
</tr>
<tr>
<td>Etofenprox</td>
<td>80844-07-1</td>
<td>No</td>
</tr>
<tr>
<td>Bicycloheptene dicarboximide</td>
<td>113-48-4</td>
<td>No</td>
</tr>
<tr>
<td>Piperonyl butoxide</td>
<td>51-03-6</td>
<td>Yes</td>
</tr>
<tr>
<td>Pyriproxyfen</td>
<td>95737-68-1</td>
<td>No</td>
</tr>
</tbody>
</table>
### United States

#### Environment

**U.S. - CERCLA/SARA - Section 313 - Emission Reporting**

<table>
<thead>
<tr>
<th>Compound</th>
<th>CAS Number</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bicycloheptene dicarboximide</td>
<td>113-48-4</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Etofenprox</td>
<td>80844-07-1</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Piperonyl butoxide</td>
<td>51-03-6</td>
<td>1.0 % de minimis concentration</td>
</tr>
<tr>
<td>Pyriproxyfen</td>
<td>95737-68-1</td>
<td>Not Listed</td>
</tr>
<tr>
<td>(S)-Methoprene</td>
<td>65733-16-6</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

#### Section 16 - Other Information

**Last Revision Date**: 02/July/2015  
**Preparation Date**: 02/July/2015  
**Disclaimer/Statement of Liability**

The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. **NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.**

**Key to abbreviations**

NDA = No Data Available