



Safety Data Sheet

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**

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Section 3 - Composition/Information on Ingredients**Substances**

- Material does not meet the criteria of a substance.

Mixtures

Composition		
Chemical Name	Identifiers	%
Etofenprox	CAS:80844-07-1	50%
(s)-Methoprene	CAS:65733-16-6	0.23%
Piperonyl butoxide	CAS:51-03-6	9.1%
Pyriproxyfen	CAS:95737-68-1	0.45%
Bicycloheptene dicarboximide	CAS:113-48-4	0.91%
Other ingredients	NDA	39.31%

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**
- 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

Material Description			
Physical Form	Liquid	Appearance/Description	Clear pale yellow to amber liquid.
Color	Pale yellow to amber.	Odor	No data available
Odor Threshold	No data available		
General Properties			
Boiling Point	No data available	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	pH	No data available
Specific Gravity/Relative Density	= 1 Water=1	Density	No data available
Water Solubility	Not soluble	Viscosity	< 100 Centipoise (cPs, cP) or mPas @ 20 C(68 F)
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
Flammability			
Flash Point	160 C(320 F)	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	Not Flammable.		
Environmental			
Octanol/Water Partition coefficient	No data available		

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

	CAS	
Bio Spot Active Care Flea & Tick Spot On for Dogs	NDA	Acute Toxicity: Ingestion/Oral-Rat • >5000 mg/kg; Skin-Rat • >5000 mg/kg; Irritation: Eye-Rabbit • Moderate irritation; Skin-Rabbit • Mild irritation

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met
Aspiration Hazard	OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	OSHA HCS 2012 • Not classified - data lacking
Skin corrosion/Irritation	OSHA HCS 2012 • Classification criteria not met
Skin sensitization	OSHA HCS 2012 • Classification criteria not met
STOT-RE	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	OSHA HCS 2012 • Eye Mild Irritation 2B

Route(s) of entry/exposure • Skin, EyeInhalation, 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.

Section 12 - Ecological Information

Toxicity

Component	CAS	Data
Etofenprox (50%)	80844-07-1	Crustacea: 96 Hour(s) LC50 Crustacea <i>Mysid shrimp</i> 0.0000188 mg/L ; 48 Hour(s) LC50 Water Flea <i>Daphnia magna</i> 0.0008 mg/L ; NOEC Water Flea <i>Daphnia magna</i> 0.00017 mg/L ; Fish: 96 Hour(s) LC50 Fish <i>Sheepshead minnow</i> >0.0165 mg/L ; 96 Hour(s) LC50 Fish <i>Rainbow Trout</i> 0.0027 mg/L
		Crustacea: NOEC Crustacea <i>Mysid Shrimp</i> 0.014 mg/L [Chronic]; 48 Hour(s) LC50 Crustacea <i>Daphnia</i>

(s)-Methoprene (0.23%)	65733-16-6	0.36 mg/L [Acute]; Fish: 96 Hour(s) LC50 Fish <i>Rainbow Trout</i> 0.76 mg/L [Acute]; 96 Hour(s) LC50 Fish <i>Bluegill</i> >0.37 mg/L [Acute]; NOEC Fish <i>Fathead Minnow</i> 0.048 mg/L [Chronic]
Piperonyl butoxide (9.1%)	51-03-6	Crustacea: Crustacea <i>Daphnia magna</i> 0.047 mg/L [Chronic LOEC]; 48 Hour(s) LC50 Crustacea <i>Daphnia magna</i> 0.51 mg/L [Acute]; 48 Hour(s) LC50 Crustacea <i>Mysid shrimp</i> 0.49 mg/L [Acute]; NOEC Crustacea <i>Daphnia magna</i> 0.03 mg/L [Chronic]; Fish: 96 Hour(s) LC50 Fish <i>Rainbow Trout</i> 1.9 mg/L [Acute]; 96 Hour(s) LC50 Fish <i>Sheephead minnow</i> 3.94 mg/L [Acute]; NOEC Fish <i>Fathead minnow</i> 0.04 mg/L [Chronic]; Fish <i>Fathead minnow</i> 0.11 mg/L [Chronic LOEC]
Pyriproxyfen (0.45%)	95737-68-1	Crustacea: 96 Hour(s) LC50 Crustacea <i>Mysid shrimp</i> >0.092 mg/L ; Water Flea <i>Daphnia magna</i> 0.0054 mg/L [MATC]; 48 Hour(s) LC50 Water Flea <i>Daphnia magna</i> 0.4 mg/L ; Fish: 96 Hour(s) LC50 Fish <i>Rainbow trout</i> >0.325 mg/L ; 96 Hour(s) LC50 Fish <i>Blue gill</i> >0.27 mg/L ; 96 Hour(s) LC50 Fish <i>Sheepshead minnow</i> >1.02 mg/L ; LC50 Fish <i>Rainbow trout</i> 0.09 mg/L [Chronic]

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

	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	None	Consumer Commodity (applies to non-bulk packaging only)	ORM-D	N/A	Marine Pollutant
	UN3082	Environmentally Hazardous Substance, Liquid, n.o.s. (etofenprox)	9	III	Marine Pollutant
IMO/IMDG	UN3082	Environmentally Hazardous Substance, Liquid, n.o.s. (etofenprox)	9	III	Marine Pollutant
IATA/ICAO	UN3082	Environmentally Hazardous Substance, Liquid, n.o.s. (etofenprox)	9	III	Acute Aquatic Toxicity

Special precautions for user
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- None specified.
- 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.

Inventory		
Component	CAS	TSCA
(s)-Methoprene	65733-16-6	No
Etofenprox	80844-07-1	No
Bicycloheptene dicarboximide	113-48-4	No
Piperonyl butoxide	51-03-6	Yes
Pyriproxyfen	95737-68-1	No

United States

Environment

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

• Bicycloheptene dicarboximide	113-48-4	Not Listed
• Etofenprox	80844-07-1	Not Listed
• Piperonyl butoxide	51-03-6	1.0 % de minimis concentration
• Pyriproxyfen	95737-68-1	Not Listed
• (s)-Methoprene	65733-16-6	Not Listed

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