



Safety Data Sheet

Section 1: Identification

Product identifier

- Product Name** • **BioSpot Active Care Flea & Tick Home Spray**
- Synonyms** • 100515488; 100518914; EPA Reg. No.: 2724-822-89459; RF2177 WB Carpet RTU
- Product Description** • Milky white emulsion.

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

- Recommended use** • Insecticide.
- Restrictions on use** • Avoid contact with skin and eyes. Keep out of reach of children and pets.

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** • Not classified; does not meet hazard criteria.

Label elements

- OSHA HCS 2012**
Hazard statements • No label element(s) required

Other hazards

- OSHA HCS 2012** • Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is not 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	0.5%
Piperonyl butoxide	CAS:51-03-6	2%
(s)-Methoprene	CAS:65733-16-6	0.01%
Other ingredients	NDA	97.49%

Section 4: First-Aid Measures

Description of first aid measures

Inhalation

- IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms persist.

Skin

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

Eye

- IF IN EYES: Rinse with water for several minutes. Get medical attention if symptoms occur.

Ingestion

- IF SWALLOWED: Do not induce vomiting unless told to by a poison control center or doctor. Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms and effects, both acute and delayed

- 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 • In case of fire use media as appropriate for surrounding fire.

Unsuitable Extinguishing Media • None known.

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • None known.

Hazardous Combustion Products • None known.

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** • Use appropriate Personal Protective Equipment (PPE) Ventilate enclosed areas.
- Emergency Procedures** • Ventilate closed spaces before entering. Avoid release into the environment.

Environmental precautions

- 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.

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. Protect from freezing or high temperatures.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure controls

- Engineering Measures/Controls** • No data available.

Personal Protective Equipment

- Pictograms** • 

- Respiratory** • Not required with normal use.

- Eye/Face** • Not required with normal use.

- Hands** • Wear protective gloves.

- Skin/Body** • It is recommended for handlers to wear appropriate clothing to prevent skin contact including long sleeves, long pants, socks and shoes.

- Environmental Exposure Controls** • Avoid release to the environment.

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Milky white emulsion.
Color	Milky white.	Odor	Mild, neutral.
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	3.9 @ 25 C(77 F)
Specific Gravity/Relative Density	= 1.0072 @ 20 C(68 F) Water=1	Water Solubility	Dispersible
Viscosity	< 10 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	VOC (Vol.)	0 %
Flammability			
Flash Point	> 200 C(> 392 F) PMCC (Pensky-Martins Closed Cup)	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 under normal temperatures and pressures.

Possibility of hazardous reactions

- Hazardous polymerization will not occur.

Conditions to avoid

- Excessive heat and freezing conditions.

Incompatible materials

- None known.

Hazardous decomposition products

- Thermal decomposition may produce toxic vapors and/or gases.

Section 11 - Toxicological Information

Information on toxicological effects

	CAS	
BioSpot Active Care Flea & Tick Home Spray	NDA	Acute Toxicity: Ingestion/Oral-Rat LD50 • >5000 mg/kg; Skin-Rat LD50 • >5000 mg/kg; Irritation: Eye-Rabbit • Essentially non-irritating; Skin-Rabbit • Mild irritation

GHS Properties	Classification
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	OSHA HCS 2012 • Classification criteria not met
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
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
Germ Cell Mutagenicity	OSHA HCS 2012 • Classification criteria not met

Route(s) of entry/exposure • 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)** • Prolonged and repeated exposure to Etofenprox can cause skin irritation.

Eye

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

Ingestion

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

Mutagenic Effects

- Piperonyl butoxide was not genotoxic in several tests, including the Ames mutagenicity assay, chromosome aberration in Chinese hamster ovary (CHO) cells, CHO/HGPRT assay with S9 activation and in the unscheduled DNA synthesis (UDS) assay in cultured human liver cells. Etofenprox has been found negative for mutagenicity potential using the Ames test, chromosomal aberration and micronucleus test methods. Methoprene has been tested and found negative for mutagenicity potential.

Carcinogenic Effects

- Piperonyl butoxide is not classified as carcinogen by NTP, IARC and OSHA. Etofenprox is not classified as carcinogen by NTP, IARC and OSHA. Methoprene is not classified as carcinogen by NTP, IARC and OSHA.

Reproductive Effects

- Piperonyl butoxide did not produce any birth defects or adverse effects on reproductive parameters (except weight gain) in tests with rats and rabbits. Etofenprox did not produce teratogenic or reproductive effects in laboratory experiments. Methoprene is not a teratogenic compound. The NOEL for maternal and embryotoxicity in rabbits was 200 mg/kg/day. The NOEL for reproductive effects in rats was 500 ppm.

Section 12 - Ecological Information

Toxicity

Components		
Etofenprox (0.5%)	80844-07-1	Aquatic Toxicity-Fish: 96 Hour(s) LC50 <i>Sheepshead minnow</i> >0.0165 mg/L 96 Hour(s) LC50 <i>Rainbow Trout</i> 0.0027 mg/L Aquatic Toxicity-Crustacea: 48 Hour(s) LC50 Water Flea <i>Daphnia magna</i> 0.0008 mg/L 96 Hour(s) LC50 <i>Mysid shrimp</i> 0.0000188 mg/L NOEC Water Flea <i>Daphnia magna</i> 0.00017 mg/L

Piperonyl butoxide (2%)	51-03-6	Aquatic Toxicity-Fish: 96 Hour(s) LC50 <i>Rainbow Trout</i> 1.9 mg/L [Acute] 96 Hour(s) LC50 <i>Sheephead minnow</i> 3.94 mg/L [Acute] NOEC <i>Fathead minnow</i> 0.04 mg/L [Chronic] <i>Fathead minnow</i> 0.11 mg/L [Chronic LOEC] Aquatic Toxicity-Crustacea: <i>Daphnia magna</i> 0.047 mg/L [Chronic LOEC] 48 Hour(s) LC50 <i>Daphnia magna</i> 0.51 mg/L [Acute] 48 Hour(s) LC50 <i>Mysid shrimp</i> 0.49 mg/L [Acute] NOEC <i>Daphnia magna</i> 0.03 mg/L [Chronic]
(s)-Methoprene (0.01%)	65733-16-6	Aquatic Toxicity-Fish: 96 Hour(s) LC50 <i>Rainbow Trout</i> 0.76 mg/L [Acute] 96 Hour(s) LC50 <i>Bluegill</i> >0.37 mg/L [Acute] NOEC <i>Fathead Minnow</i> 0.048 mg/L [Chronic] Aquatic Toxicity-Crustacea: NOEC <i>Mysid Shrimp</i> 0.014 mg/L [Chronic] 48 Hour(s) LC50 <i>Daphnia</i> 0.36 mg/L [Acute]

Persistence and degradability

- Etofenprox is not readily biodegradable. Methoprene degrades rapidly in sunlight, both in water and on inert surfaces. The pesticide also is metabolized rapidly in soil and does not leach. Thus, it should not persist in soil or contaminate ground water.

Bioaccumulative potential

- No data available.

Mobility in Soil

- (s)-Methoprene: 10-14 days, rapidly hydrolyzed in soil.

Other adverse effects

- No data available.

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 empty into drains.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. See product label for disposal instructions.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	UN3082	Bulk packaging: Environmentally Hazardous Substance, Liquid, n.o.s. (Etofenprox, Piperonyl butoxide, S-Methoprene)	9	III	Marine Pollutant
IMO/IMDG	UN3082	Packaging > 5L: Environmentally Hazardous Substance, Liquid, n.o.s. (Etofenprox, Piperonyl butoxide, S-Methoprene)	9	III	Marine Pollutant
IATA/ICAO	UN3082	Packaging > 5L: Environmentally Hazardous Substance, Liquid, n.o.s. (Etofenprox, Piperonyl butoxide, S-Methoprene)	9	III	Acute Aquatic Toxicity

Special precautions for user

- None known.

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

- Not relevant.

Other information

IMO/IMDG • No data available

IATA/CAO • No data available

Section 15 - Regulatory Information**Safety, health and environmental regulations/legislation specific for the substance or mixture**

SARA Hazard Classifications • SARA Title III Section 313

FIFRA – Pesticide Labeling

This material 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.

Precautionary Statements • KEEP OUT OF THE REACH OF CHILDREN.**Hazards to Humans and Domestic Animals** • Wear long-sleeved shirt and long pants, socks, shoes and gloves.

Inventory		
Component	CAS	TSCA
(s)-Methoprene	65733-16-6	No
Etofenprox	80844-07-1	No
Piperonyl butoxide	51-03-6	Yes

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

• Etofenprox	80844-07-1	Not Listed
• Piperonyl butoxide	51-03-6	1.0 % de minimis concentration
• (s)-Methoprene	65733-16-6	Not Listed

Section 16 - Other Information**Revision Date** • 03/November/2015**Last Revision Date** • 03/November/2015**Preparation Date** • 03/November/2015

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