

M A T E R I A L S A F E T Y D A T A S H E E T

SECTION 1. Product and Company Identification Bio Spot Spot On Flea & Tick Control for Dogs & Puppies

Product Code: 2724-497-270

Product Name: Bio Spot Spot On Flea & Tick Control for Dogs & Puppies

Manufacturer Name and Address:

Telephone Numbers:

Dates:

Distributed by:

CHEMTREC

(800)424-9300

Date Created:
09/20/2006

Farnam Companies, Inc.

District of
Columbia

(202)483-0414

Revision: 09/20/2006

301 West Osborn Road

Farnam Companies,
In

(602)285-1660

Printed: 01/19/2007

Phoenix, AZ.

Responsible Person: S.Faith, Regulatory , **Phone #:**

Additional Identity Information

Bio Spot Spot On Flea & Tick Control for Puppies, Toys & Miniatures Under 15 Lbs.

Bio Spot Spot On Flea & Tick Control for Small Dogs 16-30 Lbs.

Bio Spot Spot On Flea & Tick Control for Medium Dogs 31-60 Lbs.

Bio Spot Spot On Flea & Tick Control for Large Dogs Over 60 Lbs.

SECTION 2. Composition/Information on Ingredients Bio Spot Spot On Flea & Tick Control for Dogs & Puppies

	Hazardous Components (Chemical Name)	CAS #	Percentage
1.	2,4-Dodecadienoic acid, 11-methoxy-3,7,11-trimethyl-, 1-methylethyl ester, [S-(E,E)]-	65733-16-6	3.0 %
2.	Permethrin {Cyclopropanecarboxylic acid, 3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropane carboxylic	52645-53-1	45.0 %
	OSHA PEL	ACGIH TLV	
1.	No data.	No data.	
2.	No data.	No data.	

SECTION 3. Hazards Identification Bio Spot Spot On Flea & Tick Control for Dogs & Puppies

Emergency Overview

CAUTION: KEEP OUT OF REACH OF CHILDREN

Hazards to Humans: Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling.

Route(s) of Entry: Inhalation? N.A. , Skin? Yes , Eyes? Yes , Ingestion? Yes

Potential Health Effects (Acute and Chronic)

Carcinogenicity: NTP? N.A. , IARC Monographs? N.A. , OSHA Regulated? N.A.

Carcinogenicity/Other Information

Recommended Exposure Limits: Not established.

LD 50/LC 50: Oral LD50>5.0g/kg; Dermal LD50>5.0g/kg

Signs and Symptoms Of Exposure

May cause minor skin irritation. May cause minor eye irritation. Not a contact sensitizer.

Medical Conditions Generally Aggravated By Exposure

SECTION 4. First Aid Measures

Bio Spot Spot On Flea & Tick Control for Dogs & Puppies

Emergency and First Aid Procedures

Eyes: Hold eyes 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 eyes.

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

Ingestion: Call physician. Do not induce vomiting or give anything by mouth if person is unconscious.

Inhalation: Remove individual to fresh air. If breathing does not return to normal within a few minutes, get medical attention immediately. If breathing is difficult, administer oxygen.

Note to Physician

NA

Additional First Aid Information

Have the product container or label with you when calling a poison control center or doctor or going for treatment . May also contact 1-800-950-4783 or a poison control center for treatment advice.

SECTION 5. Fire Fighting Measures

Bio Spot Spot On Flea & Tick Control for Dogs & Puppies

Flash Pt: 131.00 F **Method Used:** No data.

Explosive Limits: LEL: Unknown UEL: Unknown

Extinguishing Media

Water, CO2 dry chemicals, foam

Fire Fighting Instructions

Firefighters should wear full protective clothing including self-contained breathing apparatus. Normal procedures. Do not allow fire fighting water to escape into water-ways or sewers.

Flammable Properties and Hazards

Large Quantities: Vapors may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Never use welding or cutting torch near product. Product may ignite easily.

Hazardous Combustion Products

Carbon dioxide and carbon monoxide

SECTION 6. Accidental Release Measures

Bio Spot Spot On Flea & Tick Control for Dogs & Puppies

Steps To Be Taken In Case Material Is Released Or Spilled

Steps to be taken: Do not allow spill to enter water ways inhabited by aquatic organisms. Soak up with absorbent material and place in a suitable container for disposal.

Absorbents: Clay granules, dirt, or equivalent.

Incompatibles: Strong oxidizing agents.

SECTION 7. Handling and Storage

Bio Spot Spot On Flea & Tick Control for Dogs & Puppies

Precautions To Be Taken in Handling

Avoid eye contact. Wash hands after handling.

Precautions To Be Taken in Storing

Do not contaminate water, food, or feed by storage. Store in a dry, cool place out of the reach of children and pets.

Other Precautions

No data available.

SECTION 8. Exposure Controls/Personal Protection

Bio Spot Spot On Flea & Tick Control for Dogs & Puppies

Respiratory Equipment (Specify Type)

See below.

Eye Protection

See below.

Protective Gloves

See below.

Other Protective Clothing

Not needed if product is used according to label. If prolonged exposure is anticipated, wear impervious gloves and safety glasses or goggles.

Engineering Controls (Ventilation etc.)

General ventilation is sufficient.

Work/Hygienic/Maintenance Practices

Wash hands with soap and water after handling and before eating, drinking, smoking or using the restroom.

SECTION 9. Physical and Chemical Properties

Bio Spot Spot On Flea & Tick Control for Dogs & Puppies

Physical States:	<input type="checkbox"/> Gas , <input checked="" type="checkbox"/> Liquid , <input type="checkbox"/> Solid
Boiling Point:	392.00 F
Melting Point:	No data.
Specific Gravity (Water = 1):	1.03
Density:	8.612 LB/GA

Vapor Pressure (vs. Air or mm Hg):	NA
Vapor Density (vs. Air = 1):	>1
Evaporation Rate (vs Butyl Acetate=1):	NA
Solubility in Water:	Insoluble
Percent Volatile:	No data.
Saturated Vapor Concentration:	No data.
Viscosity:	No data.
pH:	NA
Appearance and Odor	
Light amber liquid.	

SECTION 10. Stability and Reactivity

Bio Spot Spot On Flea & Tick Control for Dogs & Puppies

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

Incompatibility - Materials To Avoid

Avoid contact with strong oxidizing agents.

Hazardous Decomposition Or Byproducts

Not determined.

Hazardous Polymerization: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Polymerization

SECTION 11. Toxicological Information

Bio Spot Spot On Flea & Tick Control for Dogs & Puppies

CHRONIC TOXICITY [Based on (RS)-Methoprene Technical]

Methoprene is not considered a carcinogenic compound. Permethrin is not considered a carcinogenic compound.

DEVELOPMENTAL/REPRODUCTIVE TOXICITY [Based on (RS)-Methoprene Technical]

Methoprene is not a teratogenic compound. Permethrin is not a teratogenic compound.

MUTAGENICITY [Based on (S)-Methoprene Technical]

Methoprene is not a mutagenic compound. Permethrin is not a mutagenic compound.

SECTION 12. Ecological Information

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ENVIRONMENTAL FATE

(RS) Methoprene Technical Permethrin

Hydrolysis: T1/2 > 4 weeks ~ 20 days

Photolysis: T1/2 < 10 hours ~ 10 hours

Soil half life: ~ 10 days ~ 4 Weeks

Water solubility: < 2 ppm ~ 0.04 ppm

Acute Toxicity: This product is toxic to fish.(S) Methoprene Technical: LC50 (trout): 760ppb, (Bluegill): >370ppb; aquatic invertebrates: LC50 (Daphnia): 360 ppbPermethrin Technical: 1.4 to 7.9 mg/1L (trout)

SECTION 13. Disposal Considerations

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Waste Disposal Method

If Empty: Do not reuse empty applicator. Place in trash and offer for recycling if available.
If Partly Filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

SECTION 14. Transport Information

Bio Spot Spot On Flea & Tick Control for Dogs & Puppies

DOT Proper Shipping Name

Additional Transport Information

SECTION 15. Regulatory Information

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SECTION 16. Other Information

Bio Spot Spot On Flea & Tick Control for Dogs & Puppies

NFPA Hazard Ratings:			
Health:	2	<input type="checkbox"/>	
Flammability:	1	<input type="checkbox"/>	<input type="checkbox"/>
Instability:	NA	<input type="checkbox"/>	
Special Hazard:			
			Minimal: 0 Slight: 1 Moderate: 2 Serious: 3 Extreme: 4

The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification.
