

**Material Safety Data Sheet**

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

**U.S. Department of Labor**

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

IDENTITY (as Used on Label and List):

**Bio-Groom Repel - 35 Lasting Residual Action Insect Control Spray for Horses and Dogs**  
(EPA Reg. #: 15297-9; EPA Est. #: 15297-TX-1)

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

**Section I**

Manufacturer's name: <b>Bio-Derm Laboratories, Inc.</b>	Emergency Telephone Number: <b>(903)753-6744</b>
Address (Number, Street, City, State and ZIP Code) <b>1600 Redmon Road / P.O. Box 8070</b> <b>Longview, Texas 75607</b>	Telephone Number for Information: <b>(903)753-6744</b> Date Prepared: <b>10/01/2009</b> Signature of Preparer (optional): <b>Bio-Derm Laboratories, Inc.</b>

**Section II—Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
<b>Permethrin</b>			<b>No Range</b>	<b>0.50%</b>
<b>Inert Ingredients</b>			<b>No Range</b>	<b>99.50%</b>

**Section III—Physical/Chemical Characteristics**

Boiling Point: <b>98.6 °C</b>	Specific Gravity (H <sub>2</sub> O = 1): <b>0.99 – 1.10</b>	Percent Volatile by volume: <b>Data Not Available.</b>
Vapor Pressure (mm Hg): <b>17.0</b>	Melting Point: <b>Data Not Available.</b>	
Vapor Density (AIR = 1): <b>Data Not Available.</b>	Evaporation Rate (Butyl Acetate = 1): <b>1.00</b>	

Solubility in Water: **Completely soluble. pH = 4.00 – 5.50.**

Appearance and Odor: **A white colored, non-viscous liquid. Free from visual contamination or foreign particles. Pleasant baby powder scent present. Characteristic of product.**

**Section IV—Fire and Explosion Hazard Data**

Flash Point (Method Used): <b>Aqueous system. Non-Flammable</b>	Flammable Limits: <b>Data Not Available.</b>	LEL	UEL
Extinguishing Media: <b>Aqueous system – Data Not Available.</b>			
Special Fire Fighting Procedures: <b>Data Not Available.</b>			
Unusual Fire and Explosion Hazards: <b>Data Not Available.</b>			

(Reproduce locally)

OSHA 174 Sept. 1985

This information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure use of these materials and the safety and health of employees.

**Section V—Reactivity Data**

Stability:	Unstable		Conditions to Avoid: <b>N/A</b>
	Stable: <b>X</b>		

Incompatibility (*Materials to Avoid*): **Data Not Available.**

Hazardous Decomposition or Byproducts: **Data Not Available.**

Hazardous Polymerization	May Occur		Conditions to Avoid: <b>N/A</b>
	Will Not Occur: <b>X</b>		

**Section VI—Health Hazard Data**

Route(s) of Entry: Skin, Ingestion, Inhalation, Eyes.	Inhalation? Wear a mask over mouth and eye protection, when in direct contact with product. Move person to well-ventilated area, or fresh air. Apply artificial respiration if indicated. Contact physician if irritation persists.	Skin? <b>Wash hands with soap and water for 15 minutes. Wear gloves, if in direct contact with product. If skin irritation persists, call physician. EYES:</b> If eyes are effected by direct product contact, flush eyes with plenty of water. Call physician if irritation persists.	Ingestion? Give 1 - 2 glasses of water. Induce vomiting. Seek medical / physician assistance and call poison control.
---	---	--	---

Health Hazards (*Acute and Chronic*): **None if used as directed. OVEREXPOSURE: May cause irritation of skin and eyes.**

Carcinogenicity: **Data Not Available.**      NTP?      IARC Monographs?      OSHA Regulated?

Signs and Symptoms of Exposure: **Data Not Available.**

Medical Conditions Generally Aggravated by Exposure: **Data Not Available.**

Emergency and First Aid Procedures: **Data Not Available.**

**Section VII—Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material Is Released or Spilled:

**Mop up with absorbent material and place in waste container. Rinse area with water.**

Waste Disposal Method: **Triple rinse the container, once empty dispose of container according to regulations. Routine waste disposal. Observe federal, state, and local laws concerning disposal. Dispose as pesticide.**

Precautions to Be Taken in Handling and Storing: **As the label directions suggest. Store at temperatures above 32° C. Do not reuse empty container.**

Other Precautions: **Read label. Keep out of reach of children. For external use only. Avoid contact with eyes. Do not use on severely traumatized or irritated skin. If undue skin irritation develops or increases, discontinue use and consult a veterinarian. Store in a cool area away from heat and open flames. Store above 32° F to protect from freezing.**

**Section VII—Control Measures**

Respiratory Protection (*Specify Type*): **During application recommended.**

Ventilation	Local Exhaust: <b>Apply in well-ventilated area.</b>	Special: <b>None</b>
	Mechanical ( <i>General</i> ): <b>None</b>	Other: <b>None</b>

Protective Gloves: **During Application Recommended.**      Eye Protection: **During Application Recommended.**

Other Protective Clothing or Equipment: **A Chemical Spill-Proof Gloves, Apron, and Mask Recommended if in direct contact.**

Work/Hygienic Practices: **Wash hands with soap immediately after use.**