

SECTION 1 – IDENTIFICATION

Product Identifier:	BIO-GROOM[®] FLEA & TICK PYRETHRIN DIP CONCENTRATE
Product Code:	12500
Recommended Use:	Pet Grooming / Pest Control
Restrictions on Use:	Use only as directed per label instructions.
Manufactured By:	Bio-Derm Laboratories, Inc. PO Box 8070 Longview, Texas 75602 800-762-0232
E-mail:	bioderm@biogroom.com
24-Hour Emergency Number:	800-424-9300 (Within USA and Canada) +1 703-527-3887 (Outside USA and Canada)

SECTION 2 – HAZARD(S) IDENTIFICATION

Product Hazard Classification: Eye Irritation: Category 2A

Hazard Pictogram(s):



Signal Word: WARNING

Hazard Statements: Causes serious eye irritation.
May be harmful if swallowed.
Harmful to aquatic life.

Precautionary Statements

Prevention: Keep out of reach of children.
Read label and SDS before use.
Wash hands thoroughly after handling.
Wear eye protection.
Avoid release to the environment.

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 attention.
IF SWALLOWED: Immediately call a poison control center or a doctor. DO NOT induce vomiting.

Storage: Store in a cool, well-ventilated place. Store locked up.

Disposal: Dispose of contents and container in accordance with all local, regional and national regulations.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Synonym(s)</u>	<u>CAS Number</u>	<u>Concentration (% Wt)</u>
Piperonyl Butoxide	N/A	51-03-6	3.00
Pyrethrin	N/A	8003-34-7	0.30

SECTION 4 – FIRST-AID MEASURES

Route of Exposure

Inhalation:	Remove person to fresh air and keep comfortable for breathing. Call a physician or poison control center if individual feels unwell.
Eye Contact:	Hold eyelids open and rinse slowly and gently for at least 15 minutes. Seek immediate medical attention if irritation persists.
Skin Contact:	Remove contaminated clothing. Rinse affected area with plenty of water. Consult a physician if irritation persists.
Ingestion:	Contact a physician or poison control center immediately. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Water spray, carbon dioxide (CO ₂), dry chemical or firefighting foam.
Unsuitable Extinguishing Media:	None known.
Hazardous Thermal Decomposition Products:	Carbon dioxide (CO ₂); carbon monoxide (CO); nitrogen oxides.
Specific Hazards from Product:	None known.
Special Protective Equipment/Precautions for Firefighters:	Fight surrounding fire with standard firefighting procedures and precautions. Wear full protective gear and self-contained breathing apparatus.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:	Put on appropriate personal protective equipment (see Section 8). Avoid contact with eyes, skin and clothing. Ensure adequate ventilation.
Environmental Precautions And Clean-Up Methods:	Dike or contain large spills, then absorb with earth, sand or other absorbent material. Place in container for appropriate disposal (see Section 13). Avoid release to the environment. Contaminated absorbent and wash water should be disposed of according to local, state/provincial and federal/national regulations.

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling:	Do not contaminate water, food or feedstuffs by storage, handling or disposal. Use only in well ventilated areas. Handle product in accordance with good industrial hygiene and safety practices. Wash thoroughly with soap and water after handling and before eating, drinking, using tobacco or using the toilet. Keep container closed when not in use. Keep out of the reach of children.
Conditions for Safe Storage:	Store tightly closed containers in a cool, dry and well-ventilated place.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: (Note: N/A = Not Applicable; N/E = Not Established)

<u>Chemical Name</u>	<u>CAS Number</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Piperonyl Butoxide	51-03-6	N/E	N/E
Pyrethrin	8003-34-7	5 mg/m ³	5 mg/m ³

Engineering Controls: Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye Protection: Wear safety glasses or goggles.

Skin Protection: To prevent repeated or prolonged contact, wear impervious protective clothing (gloves, aprons, etc.) made from rubber, nitrile or neoprene.

Respiratory Protection: Not generally required. If respiratory protection is required, a respiratory program meeting OSHA's 29CFR 1910.34 and ANSI Z88.2 requirements must be followed.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid.	Lower Flammability Limit:	No data available.
Color:	Straw/Light Yellow.	Vapor Pressure:	No data available.
Odor:	Characteristic.	Vapor Density:	No data available.
Odor Threshold:	No data available.	Relative Density:	0.95 – 1.05
pH:	3.5 – 5.0	Solubility in Water:	Soluble.
Melting/Freezing Point:	No data available.	Partition Coefficient	
Initial Boiling Point/Range:	No data available.	(n-octanol/water):	No data available.
Flash Point:	No data available.	Auto-Ignition Temperature:	No data available.
Evaporation Rate:	No data available.	Viscosity:	< 100 cps
Flammability (Solid/Gas):	No data available.	Decomposition Temperature:	No data available.
Upper Flammability Limit:	No data available.	VOC Content (wt %):	No data available.

SECTION 10 – STABILITY AND REACTIVITY

Reactivity: Under normal conditions of storage and use, hazardous reactions will not occur.

Stability: Stable under normal conditions.

Hazardous Reactions: None known under normal conditions.

Conditions to Avoid: None known.

Incompatible Materials: Acids; strong oxidizers.

Hazardous Decomposition Products: None known under normal conditions.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute/Potential Health Effects

Inhalation:	May irritate respiratory tract and mucous membranes.
Eye Contact:	May cause serious eye irritation. Symptoms include stinging, tearing and redness.
Skin Contact:	May cause redness or irritation.
Ingestion:	May be harmful if swallowed.
Chronic/Long Term Effects:	None known.
Carcinogenic Information:	This material is not listed as a carcinogen by IARC, NTP or OSHA.
Symptoms Related to the Physical Chemical and Toxicological Characteristics:	No information available.

SECTION 11 – TOXICOLOGICAL INFORMATION (CONTINUED)

Delayed/Immediate/Chronic Effects from Short- and Long-Term Exposure

Acute Toxicity:	No known effect.
Skin Corrosion/Irritation:	No known effect.
Serious Eye Damage/Eye Irritation:	May cause serious eye irritation.
Skin Sensitization:	No known effect.
Respiratory Sensitization:	No known effect.
Germ Cell Mutagenicity:	No known effect.
Carcinogenicity:	No known effect.
Reproductive Toxicity:	No known effect.
Developmental Toxicity:	No known effect.
Specific Target Organ Toxicity:	No known effect.
Aspiration Hazard:	No known effect.

Component Information

<u>Chemical Name</u>	<u>CAS Number</u>	<u>LD₅₀ Oral</u>	<u>Exposure Time</u>	<u>Species</u>
Piperonyl Butoxide	51-03-6	4,570 mg/kg	N/A	Rat
Pyrethrin	8003-34-7	1,030 mg/kg	N/A	Rat

<u>Chemical Name</u>	<u>CAS Number</u>	<u>LC₅₀ Inhalation</u>	<u>Exposure Time</u>	<u>Species</u>
Piperonyl Butoxide	51-03-6	> 5.9 mg/l	4 hours	Rat
Pyrethrin	8003-34-7	3.4 mg/l	4 hours	Rat

Product Information

Acute Toxicity of Mixture:	Not determined.
Acute Toxicity Estimate Basis:	Additivity formula.
ATE_{MIX} (Oral):	33,495 mg/kg.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:	This pesticide is toxic to aquatic organisms, including fish and invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters. Do not contaminate water when disposing of equipment wash-waters.
Persistence and Degradability:	No information available.
Bioaccumulative Potential:	No information available.
Mobility in Soil:	No information available.
Other Adverse Effects:	None known.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal Method:	Follow all safety instructions and good hygiene practices. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.
Empty Container:	Product is sold in a non-refillable container. DO NOT reuse or refill empty container. Triple rinse container (or equivalent) promptly after emptying. Then, offer for recycling if available, or reconditioning if appropriate, or puncture and dispose of container in a sanitary landfill, or by other procedures approved by state and local authorities.

SECTION 14 – TRANSPORT INFORMATION

UN Number: N/A
DOT Proper Shipping Name: Not DOT Regulated
Hazard Class: Non-Hazardous.
Packing Group: N/A

SECTION 15 – REGULATORY INFORMATION

SARA Title III Sections 311/312

Hazardous Categories: Acute (X) Chronic () Fire () Pressure () Reactive () Not Applicable ()

SARA Title III Section 313:

The following components are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA):

Piperonyl Butoxide CAS #51-03-6 3.0%

California Proposition 65:

This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any reproductive harm.

FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) Information:

EPA Registration No.: 15297-14 EPA Establishment No.: 15297-TX-1

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 may differ from the classification criteria and hazard information required for Safety Data Sheets, and for workplace labels of non-pesticide chemical products.

SECTION 16 – OTHER INFORMATION

Revision Date: January 7, 2016

Electronic Availability: The Safety Data Sheet (SDS) for this and all other Bio-Derm Laboratories, Inc. products are available on the company website at www.biogroom.com/sds/.

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