

SAFETY DATA SHEET:

LAWN & GARDEN INSECT CONTROL CONCENTRATE

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Product Identifier: 87550
Product Name: Bengal Lawn & Garden Insect Control Concentrate
Synonyms: EPA Reg. No. 1021-1778-68543
Recommended Use: Insecticide – Kills ants, spiders, roaches, fleas and other crawling insects
Supplier Name: Bengal Products, Inc.
Supplier Address: 13739 Airline Hwy, Baton Rouge, LA 70817 USA
Supplier Phone No: Phone: 225-753-1313 Fax: 225-753-1464
Emergency Phone No.: 225-753-1313

2. HAZARDS IDENTIFICATION

OSHA Regulatory Status: This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazard statements

- H316 – Causes mild skin irritation
- H332 – Harmful if inhaled.
- H302 – Harmful if swallowed.
- H317 – May cause an allergic skin reaction.
- H400 – Very toxic to aquatic life.
- H410 – Very toxic to aquatic life with long lasting effects.

GHS LABEL



Appearance: light yellow

Physical state: Liquid

Odor: Slight – Sweet

Precautionary Statements - Prevention:

- P264 - Wash face, hands and any exposed skin thoroughly after handling
- P270 - Do not eat, drink or smoke when using this product
- P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
- P271 - Use only outdoors or in a well-ventilated area
- P272 - Contaminated work clothing should not be allowed out of the workplace
- P280 - Wear protective gloves

Precautionary Statements - Response:

- P321 - Specific treatment (see Section 4/ First Aid).
- P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
- P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
- P363 - Wash contaminated clothing before reuse
- P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- P312 - Call a POISON CENTER or doctor/physician if you feel unwell
- P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- P330 - Rinse mouth

Precautionary Statements - Storage:

- P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal:

- P501 - Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC):

Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Weight %</u>	<u>CAS No.</u>	<u>Trade Secret</u>
Esfenvalerate	0.425	66230-04-4	

COMMENTS: Ingredients not identified are proprietary or non-hazardous. Values are not product specifications. In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage of the composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Aspiration pneumonia hazard: No information available.

Description of first aid measures:

Eye contact: 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.

Skin Contact: 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.

Ingestion: If swallowed, IMMEDIATELY call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or a doctor. Never give anything by mouth to an unconscious person.

Inhalation: Remove affected person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Self-protection of the First Responder:

Use personal protective equipment as required.

Note to physicians: For skin effects, a highly efficient therapeutic agent for Pyrethrin/ Pyrethroid exposure is topical application of tocopherol acetate (Vitamin E).

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: Caution: Use of water spray when fighting fire may be inefficient.

Hazardous combustion products: Hydrogen cyanide. Carbon monoxide. Carbon dioxide (CO₂).

Specific hazards arising from the chemical: No information available.

Explosion data

Sensitivity to Mechanical Impact: None.

Sensitivity to Static Discharge: None.

Protective equipment and precautions for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA **Health hazards** 2 **Flammability** 1 **Instability** 0

HMIS **Health hazards** 2 **Flammability** 1 **Physical hazards** 0

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions: Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained. See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling: Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas. Use with local exhaust ventilation. Do not breathe dust/fume/gas/mist/vapors/spray. For more information, see product label.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep container tightly closed in a dry and well-ventilated place. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. For more information, see product label.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS Chemical Name	OSHA PEL		ACGIH TLV		Supplier OEL	
	ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Esfenvalerate	TWA	None	None		[1]	2 [1]

OSHA TABLE COMMENTS: [1], Skin; [2] As oil-mist, if generated.

Exposure Guidelines: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Controls: Safety showers, Eyewash stations, Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection: Tight sealing safety goggles. Face protection shield.

Skin and body protection: Wear protective gloves and protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Slight sweet odor.

APPEARANCE: Light yellow

pH: 5.5

FLASHPOINT AND METHOD: >93.3°C (200°F)

VAPOR DENSITY: Not Available

FREEZING POINT: Not Available

SOLUBILITY IN WATER: Miscible in water.

SPECIFIC GRAVITY: 1.024 (Water = 1) at 20°C (68°F)

VISCOSITY #1: 14.7 CPS, Brookfield

(VOC): 20.000 %

10. STABILITY AND REACTIVITY

Chemical stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: None under normal processing.

Hazardous polymerization: Hazardous polymerization does not occur.

Conditions to avoid: Extremes of temperature and direct sunlight.

Incompatible materials: Incompatible with strong acids and bases. Incompatible with oxidizing agents.

Hazardous Decomposition Products: Hydrogen cyanide, Carbon monoxide, Carbon dioxide (CO₂)

11. TOXICOLOGICAL INFORMATION

Oral LD₅₀ >1,500 mg/kg (rat)

Dermal LD₅₀ >2,000 mg/kg (rabbit)

Inhalation LC₅₀ >2.02 mg/L (rat; 4 hours)

Eye contact: Irritation clearing in 72 hours.

Skin Contact: Slight irritation at 72 hours.

Skin Irritation Index: 1.17

Sensitization: Sensitizer; skin. (guinea pig).

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Reproductive toxicity: No information available.

Developmental Toxicity No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Persistence and degradability: No information available.

Bioaccumulation: No information available.

Other adverse effects: No information available.

Environmental hazards (EPA):

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes: Disposal should be in accordance with applicable regional, national and local laws and regulations. For more information, see product label.

Contaminated packaging: For more information, see product label.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Insecticides, Insect or Animal Repellent, Liquid, N.O.S.

PRIMARY HAZARD CLASS/DIVISION: Non-Hazardous

OTHER SHIPPING INFORMATION: This material is not regulated by the DOT as a hazardous material when shipped in Non-Bulk quantities (i.e., less than 119 Gallon's / 450 Liter's).

AIR (ICAO/IATA)

SHIPPING NAME: Insecticides, Insect or Animal Repellent, Liquid, N.O.S.

PRIMARY HAZARD CLASS/DIVISION: Non-Hazardous

NOTE: Not considered hazardous by IATA/ ICAO regulations for transportation via air.

VESSEL (IMO/IMDG) SHIPPING NAME: Not Available

15. REGULATORY INFORMATION

US Federal Regulations - SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories:

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act): This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA: This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations:

VOLATILE ORGANIC COMPOUNDS (VOC): This product contains less than 20% VOCs.

California Proposition 65: This product does not contain any Proposition 65 chemicals.

Difference between SDS and EPA (FIFRA) Pesticide label:

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 pesticide label also includes other important information, including directions for use. The hazard information required on the pesticide label is reproduced below:

Signal word: **CAUTION**

Precautionary Statements:

Harmful if swallowed.

Harmful if absorbed through the skin.

Causes moderate eye irritation.

Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

16. OTHER INFORMATION

The data contained herein are based on information currently available to Bengal Products Inc. and, to the best of our knowledge, are accurate and based on sound expert opinion. Our statements herein, however, are not to be taken as a warranty or representation for which Bengal Products Inc. assumes legal responsibility.

REVISION DATE: April 17, 2015