

SAFETY DATA SHEET: BENGAL INSECTICIDE CONCENTRATE

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Product Identifier: 33100, 33106
Product Name: Bengal Insecticide Concentrate
Synonyms: EPA Reg. No. 1021-1641-68543
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

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Inhalation), Category 3
Acute Toxicity (Oral), Category 4
Skin Irritation, Category 3
Aspiration Hazard, Category 2

Environmental:

Acute Hazards to the Aquatic Environment, Category 1

Physical:

Combustible Liquids, Category 4

GHS LABEL



SIGNAL WORD: DANGER

HAZARD STATEMENTS

H227: Combustible liquid.
H331: Toxic if inhaled.
H302: Harmful if swallowed.
H305: May be harmful if swallowed and enters airways.
H316: Causes mild skin irritation.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENT(S)

Prevention:

P202: Do not handle until all safety precautions have been read and understood.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Storage: P403+P233: Store in a well-ventilated place. Keep container tightly closed.

COMMENTS: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Weight %</u>	<u>CAS No.</u>	<u>Trade Secret</u>
Esfenvalerate	3.48	66230-04-4	
Petroleum Distillates	<50.00	64742-47-8	**

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

IF SWALLOWED: • Call a physician or poison control center immediately 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 physician or poison control center. • Do not give anything by mouth to an unconscious person.

IF IN EYES: • 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 physician or poison control center immediately for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information regarding medical emergencies or pesticide incidents, call 1-888-740-8712.

IF INHALED: • Move 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.

IF ON SKIN: • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.

NOTES TO PHYSICIAN: Contains Pyrethroids and Petroleum Distillates - vomiting may pose an aspiration pneumonia hazard. Diazepam has been recommended to reduce the CNS effects of Esfenvalerate. For skin effects, a highly efficient therapeutic agent for Pyrethroid exposure is topical application of Tocopherol Acetate (Vitamin E).

5. FIRE-FIGHTING MEASURES

FLAMMABLE CLASS: OSHA-COMBUSTIBLE LIQUID

EXTINGUISHING MEDIA: Foam, carbon dioxide or dry chemical.

HAZARDOUS COMBUSTION PRODUCTS: Under fire conditions this product will support combustion and may decompose to give off toxic gases such as HYDROGEN CYANIDE, carbon monoxide, carbon dioxide, and nitrogen oxides.

FIRE FIGHTING PROCEDURES: Treat as an oil fire. Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water stream.

SENSITIVE TO STATIC DISCHARGE: Yes, use proper bonding and/or grounding procedures.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Shut off ignition sources. Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.

LARGE SPILL: Shut off ignition sources. Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Collect product into drums, etc. via drains, pumps, etc. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Contains Pyrethroids, which are toxic to fish and other aquatic invertebrates. Contaminated absorbent and wash water should be disposed of according to local, state/provincial and federal/national regulations.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: COMBUSTIBLE LIQUID. DO NOT APPLY THIS PRODUCT IN OR ON ELECTRICAL EQUIPMENT DUE TO THE POSSIBILITY OF SHOCK HAZARD. Do not use or store near heat, open flame, or any other ignition sources.

HANDLING: Take prudent precautions to avoid contact with skin, eyes, and clothing. Avoid breathing vapors or spray mists of this product. Wearing a respirator is not normally required when handling this product, but recommended in the absence of proper mechanical ventilation. Do not contaminate water, food or feedstuffs, by storage, handling, or by disposal. READ AND OBSERVE ALL PRECAUTIONS AND INSTRUCTIONS ON THE PRODUCT LABEL.

STORAGE: Store containers upright and closed. Always store pesticides in the original container. Store away from food and petfood. Store in areas that are cool, dry and well-ventilated. Keep away from strong acids, bases and oxidizers. DO NOT allow product to exceed 160°F (71.1°C) as HYDROGEN CYANIDE GAS may be produced. Keep away from heat, sparks, and any other ignition sources.

ELECTROSTATIC ACCUMULATION HAZARD: This product contains petroleum distillates for which there is potential for the accumulation of static electricity. Consideration should be given to bonding and grounding of equipment during loading, unloading, and transfer of this product.

KEEP OUT OF REACH OF CHILDREN.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS Chemical Name	OSHA PEL		ACGIH TLV		Supplier OEL		
		ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
Esfenvalerate	TWA	None		None	[1]	2 [1]	
Petroleum Distillates	TWA	[2]	5 [2]	[2]	5 [2]	100 [2]	525 [2]

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

ENGINEERING CONTROLS: Ventilate treatment area thoroughly before re-entry.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Take prudent precautions to avoid contact with eyes.

SKIN: Take prudent precautions to avoid contact with skin and clothing.

RESPIRATORY: Avoid inhalation of vapors and mists. Leave treatment area promptly to avoid inhalation exposure.

DO NOT remain in the building during treatment with this product. Ventilate thoroughly for 30 minutes before reoccupying treated area.

WORK HYGIENIC PRACTICES: DO NOT SMOKE, EAT, OR DRINK, OR APPLY COSMETICS IN WORK AREA! Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking, or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

APPEARANCE: Pale, yellow-colored liquid.

FLASHPOINT AND METHOD: 71.1°C (160°F) TAG Closed Cup

VAPOR DENSITY: Heavier than air.

FREEZING POINT: Not Available

SOLUBILITY IN WATER: Miscible in water.

SPECIFIC GRAVITY: 0.889 (Water = 1) at 20°C (68°F)

VISCOSITY #1: 10 CPS at 23°C (73.4°F) Brookfield

(VOC): < 28.000 %

ODOR: Strong solvent-odor.

pH: 4.9 Notes: @ 5% in water.

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

CONDITIONS TO AVOID: Not compatible with strong acids or bases. Not compatible with strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: See Section 5 for combustion products.

11. TOXICOLOGICAL INFORMATION

ACUTE DERMAL LD₅₀: > 2.0 gm/kg Notes: Albino rabbit.

ORAL LD₅₀: 1.47 gm/kg Notes: Albino rat.

INHALATION LC₅₀: 0.99 mg/L Notes: Rats exposed for 4 hours to test atmosphere. The Acute Inhalation LC₅₀ of this material places it in EPA Toxic Category III.

EYE EFFECTS: Irritation clearing within 72 hours.

SKIN EFFECTS: Moderate irritation at 72 hours. Produced a primary skin Irritation Index of 2.13

SENSITIZATION: Negative; Not considered to be a dermal sensitizer to albino guinea pigs.

COMMENTS: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: This product is toxic to fish, birds, and other wildlife. Do not contaminate ornamental fish ponds. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters, or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems. 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 into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the Environmental Protection Agency (EPA).

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: To avoid wastes, use all materials in the containers by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (NOTE: such programs are often run by state or local governments, or by industry).

EMPTY CONTAINER: PESTICIDE DISPOSAL AND CONTAINER HANDLING - RESIDENTIAL USE:

Non-refillable container. DO NOT reuse or refill this container.

If empty: Place in trash or offer for recycling if available.

If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

PESTICIDE DISPOSAL AND CONTAINER HANDLING - COMMERCIAL USE:

Non-refillable container. DO NOT reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Then, offer for recycling if available, or puncture and dispose of in a sanitary landfill. Triple-rinse as follows for containers less than < 5 gallons (< 18.9 L) or less: Empty the remaining contents into application equipment or a mix-tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and re-cap. Shake for 10 seconds. Pour rinsate into application equipment or a mix-tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

RCRA/EPA WASTE INFORMATION: None of the ingredients in this product appear on the RCRA lists (40 CFR 261.24, 40CFR 251.33) or CERCLA Hazardous Substance list (40 CFR Part 302 Table 302.4)

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

UNITED STATES SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes

313 REPORTABLE INGREDIENTS: This product contains no SARA Title III Section 313 chemicals that exceed the reporting limits.

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: There are no SARA Title III Section 302 extremely hazardous substances present in this formulation (40 CFR 355). There are no components that are subject to emergency requirements under CERCLA Section 103(a)(40 CFR 302.4) in this formulation.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All chemical substances found in this product comply with the Toxic Substances Control Act's inventory reporting requirements.

REGULATIONS

STATE REGULATIONS:

VOLATILE ORGANIC COMPOUNDS (VOC): This product contains less than 28% VOC's.

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): NOTE: 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, and for workplace labels of non-pesticide chemicals. The following is the hazard information as required on the pesticide label:

CAUTION. Harmful if swallowed, inhaled, or absorbed through skin. Contains petroleum distillates - Vomiting may cause aspiration pneumonia. Avoid contact with skin, eyes, and clothing. Avoid breathing vapors or spray mists.

PHYSICAL OR CHEMICAL HAZARDS: Combustible. Do not use or store near heat or open flame. Do not apply this product around electrical equipment due to the possibility of shock hazard.

16. OTHER INFORMATION

NFPA	Health Hazards 2	Flammability 4	Instability 0	Other Hazards
HMIS	Health Hazards 2	Flammability 4	Physical Hazard 1	Personal Protection X

HMIS RATINGS NOTES: We assign HMIS ratings to this product based on the hazards of its ingredients(s). Since the customer is most aware of the applications and conditions of use, he or she must ensure that the proper Personal Protective Equipment is provided, consistent with the information contained in Section's 2, 7, and 8 of this MSDS.

REVISION DATE: April 16, 2015