

MATERIAL SAFETY DATA SHEET

Fireant Killer Granules

1. COMPANY & PRODUCT INFORMATION

Product: Bengal Fire Ant Killer Granules
EPA Reg. No. 53883-194-68543
Emergency Telephone No.: (225) 753-1313 (24 hours)

2. HAZARDOUS INGREDIENTS*

Bifenthrin (CAS No. 82657-04-3) Percent by weight: 0.115% Exposure Limits: none established	*Hazardous within the meaning of 29 CFR 1910.1200
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3. HAZARDS IDENTIFICATION

Overview:

- Tan, solid granules with a slightly musty odor.
- Thermal decomposition and burning may form toxic by-products. For large exposures or fire, wear personal protective equipment.
- This product is extremely toxic to fish and aquatic invertebrate.

Potential Health Effects: Overexposure to this product may cause diarrhea. Contact with bifenthrin may occasionally produce skin sensations such as rashes, numbing, burning or tingling. These skin sensations are reversible and usually subside within 12 hours.

CARCINOGENICITY: NTP: Not listed;

IARC monographs: Not listed; OSHA: Not listed

COMMENT: Unnecessary exposure to this product, or any chemical, should be avoided.

4. FIRST AID MEASURES

EYES: Immediately flush repeatedly with clean water for at least 15 minutes. Get medical attention if irritation persists.

SKIN: Remove contaminated clothing and immediately wash affected areas with soap and water. Apply a vitamin E cream to the affected areas to relieve irritation. Get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

FLASH POINT : none

FLAME EXTENSION: n/a **AUTOIGNITION:** Not Established

FLAMMABILITY LIMITS IN AIR, % by vol.: Not Established

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known.

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving chemicals. Keep nearby containers and equipment cool with a water spray. Contain the run-off if possible for proper disposal.

6. SPILL/LEAK PROCEDURES

SPILL RESPONSE: Sweep or shovel into approved waste disposal container for salvage or disposal. This product contains no CERCLA listed chemicals.

This document has been prepared to meet the requirements of the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

7. HANDLING AND STORAGE

Store containers upright and closed in a locked area out of the reach of children. Do not contaminate water, feed or food by storage, handling or disposal. Read and observe all precautions and instructions on the product label.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT: NONE REQUIRED

SKIN: Avoid skin contact. Wash hands after using product.*

INHALATION: Use only in a well-ventilated area.

VENTILATION: No special ventilation required when used according to label directions.

COMMENTS: Use only at normal room temperatures. Avoid skin contact. Do not incinerate. Read and follow directions for use.

*Good practice requires that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.

9. PHYSICAL PROPERTIES

ODOR: Slightly musty
APPEARANCE: Grayish tan solid granules
BULK DENSITY: approx. 45 - 55 lbs./cu. ft.
VAPOR PRESSURE (PSIG @ 70°F): N/A **BOILING POINT (F):** N/A
SOLUBILITY IN WATER : Insoluble
EVAPORATION RATE (Water=1): not established
APPEARANCE & ODOR: White powder with very faint chalk-like odor

10. STABILITY & REACTIVITY

STABILITY: STABLE

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizing agents

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Products of combustion are principally carbon dioxide, carbon monoxide and water.

CONDITIONS TO AVOID: Do not store above 130°F. Do not store near heat or open flame.

11. TOXICOLOGICAL

This product has low oral and dermal toxicity, and is non-irritating to the eyes and skin. Excessive exposure to dust may irritate the respiratory system, skin and eyes. This product caused diarrhea in laboratory animals. Bifenthrin does not cause acute delayed neurotoxicity. Experience to date indicates that contact with bifenthrin may occasionally produce skin sensations such as rashes, numbing, burning or tingling. These sensations are reversible and usually subside within 12 hours.

Acute Oral LD₅₀ = >5000 mg/kg

Acute Dermal LD₅₀ > 2000 mg/kg

12. ENVIRONMENTAL INFORMATION

Bifenthrin is highly toxic to fish and aquatic arthropods and LC₅₀ values range from 0.0038 to 17.8 µg/L. In general, the aquatic arthropods are the most sensitive species. Care should be taken to avoid contamination of the aquatic environment. Bifenthrin had no effect on mollusks at its limit of water solubility. Bifenthrin is only slightly toxic to both water fowl and upland game birds (LD₅₀ values range from 1,800 mg/kg to >2,150 mg/kg).

13. DISPOSAL

Discard empty container in trash. Do not reuse container.

14. TRANSPORTATION INFORMATION

Proper Shipping Name: Non-hazardous

DOT Hazard Class: none

15. REGULATORY INFORMATION

NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0 Special: None

SARA Title III Information

Section 302 Substances: None

Section 311/312 Hazards: Immediate, delayed

Section 313 Toxic Chemicals: None

RCRA: If discarded in its purchased form, this product would not be classified as a hazardous waste either by listing or by characteristic.

CERCLA Reportable Quantity: None

PROPOSITION 65 STATEMENT: There are no ingredients in this product which are subject to the reporting requirements of California Proposition 65.

US EPA Signal Word: CAUTION

Date Revised: Nov. 22, 2007



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