

SAFETY DATA SHEET: BENGAL ULTRADUST FIRE ANT KILLER

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Product Identifier: 93650, 93652, 93625, 93444
Product Name: Bengal Ultradust Fire Ant Killer
Synonyms: EPA Reg. No. 68543-26
Recommended Use: Insecticide powder – Kills fire ants 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).

Skin corrosion/irritation: Category 3
Eye irritant: Category 2B

GHS LABEL



Precautionary Statements - Response:

Do not breathe dust or mists. Wash arms, hands and face thoroughly after handling.

Hazards not otherwise classified (HNOC): Not applicable

SIGNAL WORD: WARNING

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Weight %</u>	<u>CAS No.</u>	<u>Trade Secret</u>
Deltamethrin	0.10	52918-63-5	
Quartz	0.02	14808-60-7	
Limestone	<99.00	1317-65-3	**

**The exact percentage (concentration) of composition has been withheld as a trade secret.

Comments: Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.

4. FIRST AID MEASURES

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 poison control center or doctor for treatment advice.

SKIN: 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: Call a poison control center or doctor 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 poison control center or doctor. Do not give anything by mouth to an unconscious person.

INHALATION: 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.

Note to physician: This product contains 0.1% synthetic pyrethroid pesticide. For skin effects, a highly efficient therapeutic agent for 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: 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.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures****Personal precautions:** Use personal protective equipment as required.**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:** Clean contaminated surface thoroughly. Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust.**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. 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. For more information, see product label.**KEEP OUT OF REACH OF CHILDREN.****8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Quartz 14808-60-7	TWA: 0.025 mg/m3 respirable fraction	(30)/(%SiO ₂ + 2) mg/m3 TWA total dust : (250)/(%SiO ₂ + 5) mppcf TWA respirable fraction : (10)/(%SiO ₂ + 2) mg/m3 TWA respirable fraction	IDLH: 50 mg/m3 respirable dust TWA: 0.05 mg/m3 respirable dust
Limestone 1317-65-3		TWA: 15 mg/m3 total dust TWA: 5 mg/m3 respirable fraction	TWA: 10 mg/m3 total dust TWA: 5 mg/m3 respirable dust

NIOSH IDLH Immediately Dangerous to Life or Health

Appropriate engineering controls**Engineering Controls:** Safety showers
Eyewash stations
Ventilation systems**Individual protection measures, such as personal protective equipment****Eye/face protection:** Wear safety glasses with side shields (or goggles).**Skin and body protection:** Wear protective gloves and protective clothing.**Respiratory protection:** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations.

Respiratory protection must be provided in accordance with current local regulations.

General Hygiene: When using do not eat, drink or smoke. Wash contaminated clothing before reuse**9. PHYSICAL AND CHEMICAL PROPERTIES****Physical state:** Solid**Appearance:** White - Powder**Odor:** Odor of chalk.**pH:** 8.5 - 9.5 @ 10% in water**Density:** 2.71

VOC Content (%): 0

Miscibility/ Solubility:

Water: Immiscible

Alcohol: No information available

Petroleum distillates: No information available

10. STABILITY AND REACTIVITY

Reactivity: No data available

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: Carbon monoxide, Carbon dioxide (CO₂)

11. TOXICOLOGICAL INFORMATION

Oral LD50 >5,000 mg/kg (rat)

Dermal LD50 >5,000 mg/kg (rat)

Inhalation LC50 >26.1 mg/L (rat; 4 hours)

Eye contact: May cause slight irritation.

Skin Contact: Slightly irritating.

Sensitization: Non-sensitizer.

Carcinogenicity This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B).

Chemical Name	ACGIH	IARC	NTP	OSHA
Deltamethrin 52918-63-5	–	Group 3	–	–
Quartz 14808-60-7	A2	Group 1	Known	X

IARC (International Agency for Research on Cancer): Not classifiable as a human carcinogen.

Target Organ Effects: Eyes, Respiratory system, Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Very toxic to aquatic life with long-lasting results.

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

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, Solid

Hazard Class: 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 Gallons / 450 Liters). When shipping in Bulk-quantities (i.e., more than 119 Gallons / 450 Liters), please contact Bengal Products for the proper shipping description.

Air (IATA/ ICAO).

Proper Shipping Name: Insecticides, Insect or Animal Repellent, Solid

Hazard Class: Non-Hazardous

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

Vessel (IMO/ IMDG): Not available

15. REGULATORY INFORMATION

UNITED STATES 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 - No

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.

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. May be harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

16. OTHER INFORMATION

NFPA	Health Hazards 1	Flammability 1	Instability 0	Other Hazards
HMIS	Health Hazards 1	Flammability 1	Physical Hazard 0	Personal Protection B

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.

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