

SAFETY DATA SHEET

BENGAL BED BUG & FLEA KILLER

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Product Identifier: 87560
Product Name: Bengal Bed Bug & Flea Killer
Synonyms: EPA Reg. No. 1021-2586-68543
Recommended Use: Aerosol insecticide for killing ticks, fleas, flea-eggs, and other listed 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).

<u>Classifications</u>	<u>Hazard Category</u>	<u>Hazard Statement</u>
Acute Toxicity - Inhalation	Category 4	Harmful if inhaled.
Skin corrosion/irritation	Category 2	Causes skin irritation.
Sensitization - Skin	Category 1	May cause an allergic skin reaction.
Gases under pressure:	Liquefied gas	Contains gas under pressure. May explode if heated.

Signal word: WARNING



Precautionary Statements - Prevention:

Avoid breathing spray. Use only outdoors or in a well-ventilated area. In case of inadequate ventilation, wear respiratory protection.
Wash hands thoroughly after handling.
Wear protective gloves.
Contaminated work clothing must not be allowed out of the workplace.
Contains gas under pressure; may explode if heated

Precautionary Statements - Response:

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor for treatment advice.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
See product label for first aid instructions supplied by the US EPA.

Precautionary Statements - Storage: Store locked up. Protect from sunlight. Store in a well-ventilated place.

Precautionary Statements - Disposal: Dispose of contents and container in accordance with local and national regulations. See product label for US EPA storage and disposal instructions.

Hazards not otherwise classified (HNOC): Do not use this product in or on electrical equipment due to the possibility of shock hazard.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Weight %</u>	<u>CAS No.</u>	<u>Trade Secret</u>
SUMITHRIN® (d-Phenothrin)	0.400	26002-80-2	
NYLAR® (Pyriproxyfen)	0.100	95737-68-1	
MGK®-264 (N-Octyl Bicycloheptene Dicarboximide)	1.600	113-48-4	
Petroleum Distillates	<10.000	64742-47-8	**
Petroleum gases, liquified	<15.000	68476-86-8	**

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.

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.

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.

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

Self-protection of the First Responder: Remove all sources of ignition. Use personal protective equipment as required.

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: In the event of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Keep people away from and upwind of spill/leak. Use personal protective equipment as required.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. 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. Cover powder spill with plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up: Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling: Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Use with local exhaust ventilation. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can. For more information, see product label.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep tightly closed in a dry and cool place. Keep in properly labeled containers.

Keep containers tightly closed in a cool, well-ventilated place. For more information, see product label.

KEEP OUT OF REACH OF CHILDREN.

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
SUMITHRIN® (d-Phenothrin)	TWA	None		None		None	
NYLAR® (Pyriproxyfen)	TWA	None		None		None	

MGK®-264 (N-Octyl Bicycloheptene Dicarboximide)	TWA	None	None	None		
Petroleum Distillates	TWA	None	None	152 ^[1]	1200 ^[1]	
Petroleum gases	TWA	1000ppm	1000ppm	-		

OSHA TABLE COMMENTS: ^[1] Based on total hydrocarbon composition.

Appropriate engineering controls

Engineering Controls: Safety showers, Eyewash stations, Ventilation systems.

PERSONAL PROTECTIVE EQUIPMENT:

EYES AND FACE: Protective eyewear is recommended, but is not required.

SKIN: 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 Considerations: When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquefied gases and liquid.

ODOR: Slight solvent odor.

ODOR THRESHOLD: No information available.

COLOR (Gardner scale): No information available.

APPEARANCE: Milky, white liquid.

pH: 7.5

Notes: @ 5% in water. pH measurement is for the aerosol contents less the compressed gas propellant (i.e., Non-Volatiles).

VAPOR DENSITY: Heavier than air.

FREEZING POINT: Not Available

SOLUBILITY IN WATER: Partially miscible in water.

Notes: Water Solubility analysis is for the aerosol contents less the compressed gas propellant (i.e., Non-Volatiles).

SPECIFIC GRAVITY: 0.979 (Water = 1) at 22°C (71.6°F)

Notes: Specific Gravity is for the aerosol contents less the compressed gas propellant (i.e., Non-Volatiles).

VISCOSITY #1: 2483.3 CPS at 21.3°C (70.3°F). Test was performed on aerosol non-volatiles.

(VOC): 14.80%

Miscibility/ Solubility:

Water: Partially miscible

Alcohol: Partially miscible

Aromatic solvents: Partially miscible

Petroleum distillates: Partially miscible

Other physical or chemical characteristics do not apply or are not 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: Heat, flames and sparks.

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

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

ACUTE DERMAL LD50: > 5000 mg/kg Notes: Albino rabbit.

ORAL LD50: > 5000 mg/kg Notes: Albino rat.

INHALATION LC50: > 2.08 mg/L Notes: Rats exposed for 4 hours to test atmosphere. The Acute Inhalation LC50 of this material places it in EPA Toxic Category IV.

EYE EFFECTS: Non-irritating to eyes (Albino rabbits). Maximum Mean Total Score = 0.

SKIN EFFECTS: Moderately irritating (Albino rabbits). Produced a Primary Dermal Irritation Index of 3.6. All animals were free of erythema and edema by Day 7.

SENSITIZATION: Positive.

GENERAL COMMENTS: Some of the above toxicity data was bridged from the insecticide concentrate that is used in manufacturing this end-use product.

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

Toxicity: The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

Ecotoxicity:

Persistence and degradability: No information available.

Bioaccumulation: No information available

13. DISPOSAL CONSIDERATIONS

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.

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

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

	Land transport	Sea transport	Air transport
UN number	1950	1950	1950
UN proper shipping name	UN1950 Aerosols, non-flammable, 2.2, LTD QTY	UN1950 Aerosols, non-flammable, 2.2, LTD QTY	UN1950 Aerosols, non-flammable, 2.2, LTD QTY
Transport hazard class	2.2	2.2	2.2
Packing group	-	-	-
Environmental hazards	-	-	-
Special precautions for user	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.

15. REGULATORY INFORMATION

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

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

ACUTE HEALTH HAZARD: Yes **CHRONIC HEALTH HAZARD:** 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.

STATE REGULATIONS: VOLATILE ORGANIC COMPOUNDS (VOC): This product contains less than 15% VOC's. This product does not contain any California Proposition 65 chemicals.

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. Avoid contact with skin or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PHYSICAL OR CHEMICAL HAZARDS: Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.

16. OTHER INFORMATION

NFPA **Health Hazards 2** **Flammability 4*** **Instability 0** **Physical and Chemical Hazards -**

HMIS **Health Hazards 2** **Flammability 4*** **Physical Hazard 0** **Personal Protection X**

***Level 1 aerosol flammability rating according to NFPA 30b code.**

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: **November 12, 2020**