

MATERIAL SAFETY DATA SHEET

Concentrated Roach & Flea Fogger 3

1. COMPANY & PRODUCT INFORMATION

Product: Bengal Concentrated Roach & Flea Fogger 3

EPA Reg. No. 1021-1686-68543

Emergency Telephone No.: (225) 753-1313 (24 hours)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

IMMEDIATE CONCERNS: CAUTION - HIGHLY FLAMMABLE AEROSOL. DO NOT use or store near heat, sparks, or open flame. Shut off all ignition sources. Contents under pressure. DO NOT expose to temperatures above 130°F (54.4°C) as bursting may occur. Harmful if swallowed, inhaled, or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, and clothing. Avoid breathing vapors or spray mists of this product.

DO NOT puncture or incinerate container. Follow the "Directions for use" on the label very carefully.

POTENTIAL HEALTH EFFECTS

EYES: Causes moderate eye irritation.

SKIN: Can cause skin irritation. Can cause a burning or prickling sensation on more sensitive areas (face, eyes, mouth). Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

SKIN ABSORPTION: Harmful if absorbed through the skin.

INGESTION: Harmful if swallowed.

INHALATION: Harmful if inhaled.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

CHRONIC EFFECTS: None known.

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

3. HAZARDS IDENTIFICATION

Chemical Name	Wt.%	CAS No.
Prallethrin	0.03	023031-36-9
Cyphenothrin	0.40	039515-40-7
N-Octyl Bicycloheptene		
Dicarboximide	0.40	000113-48-4
Petroleum Distillates	<10.00	064742-47-8
Liquefied Petroleum Gas	25 - 50	068476-86-8

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: If swallowed, IMMEDIATELY call a poison control center or doctor for treatment advice. DO NOT give any liquid to the person. 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.

NOTES TO PHYSICIAN: 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: This aerosol is classified as HIGHLY FLAMMABLE by the Flame-Extension Test method described in 16 CFR 1500.45.

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 carbon monoxide, carbon dioxide, and nitrogen oxides.

EXPLOSION HAZARDS: Contents under pressure. Exposure to temperatures above 130°F (54.4°C) may cause bursting.

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.

SENSITIVITY TO IMPACT: Forceful impacts can cause damage to aerosol unit and may cause a bursting or explosion hazard.

6. SPILL/LEAK PROCEDURES

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: Do not use or store near heat, sparks, open flame, or any other ignition sources.

HANDLING: Contents under pressure. Keep away from heat, sparks, and open flame. Do not puncture or incinerate container. Turn off ALL ignition sources such as pilot lights (shut off gas valves), other open flames or running electrical appliances that cycle off and on (i.e., refrigerators, thermostats, etc.). Call your gas utility or management company if you need assistance with your pilot lights. Do not contaminate water, feed or food by storage, handling, or disposal. 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.

READ & OBSERVE ALL PRECAUTIONS AND INSTRUCTIONS ON LABEL.

STORAGE: Store containers upright and closed. Always store pesticides in the original container. Store away from food and pet-food. Store in areas that are cool, dry, and well-ventilated. Exposure to temperatures at or above 130°F (54.4°C) may cause bursting. DO NOT use or store near heat, sparks, open flame, near any ignition sources, or near strong acids, bases, and oxidizers. Emptied containers may retain product residues.

KEEP OUT OF REACH OF CHILDREN.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

Liquefied Petroleum Gas: OSHA PEL 1000ppm, ACGIH TLV 1000ppm

ENGINEERING CONTROLS: Ventilate treatment area thoroughly for 30 minutes 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. DO NOT remain in the building during treatment with this product. Leave treatment area promptly to avoid inhalation exposure. 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 PROPERTIES

PHYSICAL STATE: Liquefied gases and liquid.

ODOR: Slight odor of petroleum distillates.

APPEARANCE: Milky emulsion.

pH: 6.8

Notes: 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: 0.982 (Water = 1) at 20°C (68°F)

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

VISCOSITY: 7110 CPS at 23°C (73.4°F) Brookfield on Non-Volatiles

VOC content: < 39.0 %

10. STABILITY & REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

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

11. TOXICOLOGICAL

ACUTE TOXICITY:

DERMAL LD50: > 2.0 gm/kg (Albino rabbit)

ORAL LD50 : 1350 mg/kg (Albino rat)

INHALATION LC50: > 2.74 mg/L (Rats - 4 hours exposure)

EYE EFFECTS: Irritation clearing in 72 hours.

SKIN EFFECTS: Moderate irritation at 72 hours. Produced a primary skin Irritation Index of 3.6

SENSITIZATION: When applied dermally to albino guinea pigs, this product appears to be a dermal sensitizer.

GENERAL COMMENTS: Some of the above toxicity data was bridged from the 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. ENVIRONMENTAL INFORMATION

This product is toxic to fish and aquatic invertebrates. Do not apply directly to any body of water.

13. DISPOSAL

Do not puncture or incinerate container. If partly filled: Call your local solid waste agency for disposal instructions. Do not incinerate or puncture. If empty: Place in trash or offer for recycling if available.

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. TRANSPORTATION INFORMATION

Proper Shipping Name: Consumer Commodity

DOT Hazard Class: ORM-D

15. REGULATORY INFORMATION

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

FIRE: Yes; PRESSURE GENERATING: Yes; 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.

VOLATILE ORGANIC COMPOUNDS (VOC): less than 39% VOC's.

STATE REGULATIONS:

Each state may promulgate standards more stringent than the federal government. This section cannot encompass an inclusive list of all state regulations. Therefore, the user should consult state or local authorities. The state regulations reviewed include: California Proposition 65, California Directors List of Hazardous Substances, Massachusetts Right to Know, Michigan Critical Materials List, New Jersey Right to Know, Pennsylvania Right to Know, Rhode Island Right to Know and the Minnesota Hazardous Substance list. For Washington State Right to Know, see Section 8 for Exposure Limit information. For Louisiana Right to Know refer to SARA information listed under U.S. Regulations above. If no components or information is listed in the space below this paragraph, then none of the regulations reviewed are applicable.

HMIS RATING

Health: 2, Fire: 4, Physical Hazard: 1, Personal Protection: none

This Material Safety Data Sheet (MSDS) serves different purposes than, and DOES NOT REPLACE OR MODIFY THE EPA-APPROVED PRODUCT LABELING (attached to and accompanying the product container). This MSDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

The use, storage and disposal of pesticide products is regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling. All necessary and appropriate precautionary, use, and storage, and disposal information is set forth on that labeling. It is a violation of federal law to use a pesticide product in any manner not prescribed on the EPA-approved label.

REVISION DATE: 07/20/2009



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