

MATERIAL SAFETY DATA SHEET

Bengal Mosquito Repellent

1. COMPANY & PRODUCT INFORMATION

Product: Bengal Mosquito Repellent

EPA Reg. No. 1021-1600-68543

Emergency Telephone No.: (800) 367-0394 (24 hours)

2. HAZARDOUS INGREDIENTS*

Isopropanol Percent by weight: >35% Exposure Limits: 400ppm TLV	*Hazardous within the meaning of 29 CFR 1910.1200
Propane/Butane Percent by weight: 25% Exposure Limits: 800ppm recommended	Active Ingredients: DEET 25.0% MGK 264 5.0% MGK 326 2.5%

3. HAZARDS IDENTIFICATION

Overview:

- Aerosol spray with a mild amine odor.
- Pressurized liquid. Keep away from ignition sources and hot surfaces.
- Burning may produce toxic by-products (carbon monoxide)

Potential Health Effects:

EYES: May cause temporary discomfort. Moderately irritating.

SKIN: May cause mild skin irritation.

INHALATION: Excessive inhalation can cause nasal and upper respiratory irritation, nausea or nervous system disorders.

INGESTION: Amounts transferred to the mouth by fingers, etc. during normal operations should not cause injury.

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

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

4. FIRST AID MEASURES

IF SWALLOWED: Call a physician or poison control center immediately. Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water.

IF IN EYES: Flush with plenty of water for 15 minutes. Get medical attention if irritation persists.

IF INHALED: Remove victim to fresh air. Give artificial respiration or oxygen if indicated.

5. FIRE FIGHTING MEASURES

FLASH POINT : >53°F (liquid concentrate)

FLAME EXTENSION: <18" **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: Remove ignition sources. Use absorbent material to collect and contain for salvage or disposal. Ventilate area. 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. Store in areas that are cool, dry and well ventilated. Keep away from heat, ignition sources and strong oxidizers. Do not contaminate water, feed or food by storage, handling or disposal. Read and observe all precautions and instructions on the product label.

8. WORKER EXPOSURE/PERSONAL PROTECTION

RESPIRATORY PROTECTION: None normally required if used as directed.

VENTILATION: Normal room ventilation

PROTECTIVE GLOVES: None normally required.

EYE PROTECTION: Safety Glasses Recommended.

OTHER PROTECTIVE EQUIPMENT : Eye wash station and safety shower recommended. Industrial-type work clothing.

WORK HYGIENIC PRACTICES: Observe good personal hygiene practices and recommended procedures. Do not wear contaminated clothing or footwear.

SUPPLEMENTAL SAFETY & HEALTH DATA: Do not get in eyes or on clothing. Do not breathe vapors or mists. Keep out of reach of children.*

COMMENTS: Use only at normal room temperatures. Do not incinerate. Read and follow directions for use on can.

*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

SPECIFIC GRAVITY OF CONCENTRATE: not established

VAPOR PRESSURE (PSIG @ 70°F): N/E **BOILING POINT (F):** N/E

SOLUBILITY IN WATER : Immiscible

EVAPORATION RATE(Water=1): > 1

APPEARANCE & ODOR: Transparent liquid with light yellow tint.

10. STABILITY & REACTIVITY

STABILITY: STABLE

INCOMPATIBILITY (MATERIAL TO AVOID): None known.

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

Harmful if swallowed. Do not breathe vapors or spray mist. Avoid contact with eyes. In case of contact, flush with plenty of water. Wash clothing before reuse. After returning indoors, remove contaminated clothing and wash skin. Avoid contamination of food or feedstuffs.

12. ENVIRONMENTAL INFORMATION

Ecological studies not established.

13. DISPOSAL

STORAGE: Store in a cool, dry place inaccessible to children. Keep container closed. Keep away from heat or open flame.

DISPOSAL: Do not reuse empty container. Wrap container in several layers of newspapers and discard in trash. Do not incinerate or puncture.

14. TRANSPORTATION INFORMATION

Proper Shipping Name: Consumer Commodity

DOT Hazard Class: ORM-D

15. REGULATORY INFORMATION

NFPA Ratings: Health: 1 Fire: 3 Reactivity: 0 Special: None

SARA 313 INFORMATION: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: None

311/312 Hazard Categories: Fire-Yes; Pressure Generating-Yes;

Reactivity-No; Acute-Yes

302/304 Emergency Planning: There are no components that are subject to the emergency requirements of Sections 302 and 304.

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

US EPA Signal Word: WARNING

Date Revised: April 2003

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MATERIAL SAFETY DATA SHEET

Bengal Wasp & Hornet

1. COMPANY & PRODUCT INFORMATION

Product: Bengal Wasp & Hornet Killer 93

EPA Reg. No. 68543-8

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

2. HAZARDOUS INGREDIENTS*

Tetramethrin (active ingredient) Percent by weight: 0.200% CAS No. 7696-12-0 Exposure Limits: 1000ppm TWA	Petroleum Distillate Percent by weight: <97% CAS No. 64742-47-8 Exposure Limits: OSHA PEL: 5 mg/m ³ (OIL MIST) ACGIH TLV: 5 mg/m ³ (OIL MIST)
Sumithrin (active ingredient) Percent by weight: 0.125% CAS No. 26002-80-2 Exposure Limits: Not est.	*Hazardous within the meaning of 29 CFR 1910.1200

3. HAZARDS IDENTIFICATION

Overview:

- Contains >80% petroleum distillate. If swallowed do not induce vomiting.
- Vapor reduces oxygen available for breathing and is heavier than air.
- Contents under pressure (80 - 100 psi at 70°F)
Exposure to temperatures above 130°F may cause bursting
- Contents are flammable. Keep away from ignition sources and hot surfaces
- Burning may produce toxic by-products (carbon monoxide)

Potential Health Effects: EYES: May cause temporary discomfort.

SKIN: May cause skin irritation in sensitive people. Avoid contact.

SYSTEMIC & OTHER EFFECTS: none known

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: Flush repeatedly with clean water. Get medical attention if irritation persists.

SKIN: Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation persists.

INHALATION: Remove to fresh air.

ORAL: Call a physician or Poison Control Center. DO not induce vomiting.

5. FIRE FIGHTING MEASURES

FLASH POINT : >141°F (liquid concentrate) LEVEL III aerosol

FLAME EXTENSION: >18" **AUTOIGNITION:** Not Established

FLAMMABILITY LIMITS IN AIR, % by vol.: not established

UPPER: LOWER:

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. Firefighters should use protective shielding to avoid being hit by rupturing containers.

6. SPILL/LEAK PROCEDURES

SPILL RESPONSE: Remove ignition sources. Use absorbent material to collect and contain for salvage or disposal. Ventilate area. This product contains no CERCLA listed chemicals. This product may be a RCRA hazardous waste upon disposal due to ignitability characteristics.

This document has been prepared to meet the requirements of the OSHA Hazard Communication Standard, 29 CFR 1910.1200, the EU Directive, 91/155/EEC and other regulatory agencies.

7. HANDLING AND STORAGE

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.

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

SPECIFIC GRAVITY OF CONCENTRATE: approx. 0.80

VAPOR PRESSURE (PSIG @ 70°F): 90 **BOILING POINT (F):** N/A

PERCENT VOLATILE BY VOLUME: <98%

SOLUBILITY IN WATER : insoluble

EVAPORATION RATE(Water=1): not established

APPEARANCE & ODOR: clear liquid; mild petroleum odor

10. STABILITY & REACTIVITY

STABILITY: STABLE

INCOMPATIBILITY (MATERIAL TO AVOID): NONE KNOWN.

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 open flame.

11. TOXICOLOGICAL

Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing of vapors. Avoid contact with skin, eyes or clothing. Do not use in commercial food processing or preparation areas. In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Cover exposed food. Remove pets, birds and cover aquariums before using.

12. ENVIRONMENTAL INFORMATION

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

13. DISPOSAL

Replace cap and discard empty container in trash. Do not puncture or incinerate.

14. TRANSPORTATION INFORMATION

Proper Shipping Name: Consumer Commodity

DOT Hazard Class: ORM-D

15. REGULATORY INFORMATION

NFPA Ratings: Health: 2 Fire: 4 Reactivity: 1 Special: None
SARA Title III: SARA 313 INFORMATION: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: none

US EPA Signal Word: CAUTION

Date Revised: March 16, 2005



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MATERIAL SAFETY DATA SHEET

Bengal Roach Spray II

1. COMPANY & PRODUCT INFORMATION

Product: Bengal Roach Spray II or Scented Roach Spray

EPA Reg. No. 68543-12

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

2. HAZARDOUS INGREDIENTS*

Dimethyl ether/1,1-difluoroethane (propellants) Percent by weight: >75% CAS No. 115-10-6/75-37-6 Exposure Limits: 1000ppm TWA	
Permethrin (active ingredient) Percent by weight: 2.0% CAS No. 52645-53-1 Exposure Limits: Not est.	*Hazardous within the meaning of 29 CFR 1910.1200

3. HAZARDS IDENTIFICATION

Overview:

- Nearly odorless composition in an aerosol container. Vapor reduces oxygen available for breathing and is heavier than air.
- Contents under pressure (60 - 70 psi at 70°F)
Exposure to temperatures above 130°F may cause bursting
- Contents (propellant) are flammable. Keep away from ignition sources and hot surfaces
- Burning may produce toxic by-products (carbon monoxide)

Potential Health Effects: EYES: May cause temporary discomfort.

SKIN: May cause skin irritation in sensitive people. Avoid contact. Contact with spray may cause frostbite on exposed skin.

SYSTEMIC & OTHER EFFECTS: A statistically significant increase in the incidence of lung and liver tumors was observed in female mice receiving diets containing 375 and 750 mg/kg/day of Permethrin over 85 weeks.

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: Flush repeatedly with clean water. Get medical attention if irritation persists.

SKIN: Wash skin with soap and water. . Get medical attention if irritation persists.

INHALATION: Remove to fresh air.

ORAL: Call a physician or Poison Control Center.

5. FIRE FIGHTING MEASURES

FLASH POINT : >410°F (liquid concentrate)

FLAME EXTENSION: <18" **AUTOIGNITION:** Not Established

FLAMMABILITY LIMITS IN AIR, % by vol.:

UPPER: 16.9% LOWER: 3.4%

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. Firefighters should use protective shielding to avoid being hit by rupturing containers.

6. SPILL/LEAK PROCEDURES

SPILL RESPONSE: Remove ignition sources. Use absorbent material to collect and contain for salvage or disposal. Ventilate area. This product contains no CERCLA listed chemicals. This product may be a RCRA hazardous waste upon disposal due to ignitability characteristics.

This document has been prepared to meet the requirements of the OSHA Hazard Communication Standard, 29 CFR 1910.1200, the EU Directive, 91/155/EEC and other regulatory agencies.

7. HANDLING AND STORAGE

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.

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

SPECIFIC GRAVITY OF CONCENTRATE: approx. 1.272

VAPOR PRESSURE (PSIG @ 70°F): 65 **BOILING POINT (F):** N/A

PERCENT VOLATILE BY VOLUME: <98%

SOLUBILITY IN WATER : insoluble

EVAPORATION RATE (Water=1): not established

APPEARANCE & ODOR: brown viscous liquid; mild ethereal odor

10. STABILITY & REACTIVITY

STABILITY: STABLE

INCOMPATIBILITY (MATERIAL TO AVOID): NONE KNOWN.

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 open flame.

11. TOXICOLOGICAL

Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing of vapors. Avoid contact with skin, eyes or clothing. Do not use in commercial food processing or preparation areas. In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Cover exposed food. Remove pets, birds and cover aquariums before using.

LD50 for Permethrin= 3,801 mg/kg

12. ENVIRONMENTAL INFORMATION

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

13. DISPOSAL

Replace cap and discard empty container in trash. Do not puncture or incinerate.

14. TRANSPORTATION INFORMATION

Proper Shipping Name: Consumer Commodity

DOT Hazard Class: ORM-D

15. REGULATORY INFORMATION

NFPA Ratings: Health: 2 Fire: 4 Reactivity: 1 Special: None

SARA Title III: SARA 313 INFORMATION: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

Permethrin CAS#52645-53-1 2.0%

US EPA Signal Word: CAUTION Date Revised: July 18, 2000



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