

# MATERIAL SAFETY DATA SHEET

## Bengal Flying Insect Killer 2

### 1. COMPANY & PRODUCT INFORMATION

**Product:** Bengal Flying Insect Killer 2

**EPA Reg. No.** 68543-32

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

### 2. HAZARDOUS INGREDIENTS\*

<b>Butane/Propane (propellants)</b>	<b>Petroleum Distillate</b>
<b>Percent by weight:</b> <35%	<b>Percent by weight:</b> <10%
<b>CAS No.</b> 106-97-8/74-98-6	<b>CAS No.</b> 64742-47-8
<b>Exposure Limits:</b> 800ppm TWA	<b>Exposure Limits:</b> Not est.
<b>Permethrin (active ingredient)</b>	
<b>Percent by weight:</b> 0.5%	*Hazardous within the meaning of 29 CFR 1910.1200
<b>CAS No.</b> 52645-53-1	
<b>Exposure Limits:</b> Not est.	

### 3. HAZARDS IDENTIFICATION

#### Overview:

- Nearly odorless composition in an aerosol container.
- Contents under pressure (70 - 80 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, HCl)

**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. Do not induce vomiting.

### 5. FIRE FIGHTING MEASURES

**FLASH POINT :** >141°F (liquid concentrate)

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

**FLAMMABILITY LIMITS IN AIR, % by vol.:**

UPPER: 9.5% LOWER: 1.8%

**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. 1.0

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

**PERCENT VOLATILE BY VOLUME:** <98%

**SOLUBILITY IN WATER :** dispersible

**EVAPORATION RATE (Water=1):** approx. 1

**APPEARANCE & ODOR:** white opaque emulsion, mild 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. Chlorine and hydrogen chloride may be released.

**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.

LD<sub>50</sub> 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: 2 Reactivity: 0 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 0.5%

US EPA Signal Word: CAUTION Date Revised: 07 Feb 2009



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