

# MATERIAL SAFETY DATA SHEET

## Bengal Yard & Patio Outdoor Fogger 5

### 1. COMPANY & PRODUCT INFORMATION

**Product:** Bengal Yard & Patio Outdoor Fogger 5  
**EPA Reg. No.** 1021-1588-68543  
**Emergency Telephone No.:** (225) 753-1313 (24 hours)

### 2. HAZARDOUS INGREDIENTS\*

<b>Liquified Petroleum Gas</b> <b>Percent by weight:</b> <35% <b>CAS No.</b> 68476-85-7 <b>Exposure Limits:</b> 800ppm TWA	<b>Petroleum Distillate</b> <b>Percent by weight:</b> <10% <b>CAS No.</b> 64742-47-8 <b>Exposure Limits:</b> Not est.
<b>Tetramethrin</b> <b>(active ingredient)</b> <b>Percent by weight:</b> 0.20% <b>CAS No.</b> 7696-12-0 <b>Exposure Limits:</b> 15 mg/m <sup>3</sup> TWA	<b>Sumithrin</b> <b>(active ingredient)</b> <b>Percent by weight:</b> 0.20% <b>CAS No.</b> 26002-80-2 <b>Exposure Limits:</b> Not est.

\*Hazardous within the meaning of 29 CFR 1910.1200

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** CAUTION. Contents under pressure. Do not use or store near heat, sparks, open flame, or any other ignition sources. DO NOT expose to temperatures above 130° as bursting may occur. Harmful if inhaled or absorbed through the skin. 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:** May cause temporary irritation, tearing, and blurred vision.  
**SKIN:** Can cause skin irritation. Can cause a burning or prickling sensation on more sensitive areas (face, eyes, mouth).

**SKIN ABSORPTION:** Harmful if absorbed through the skin.

**INGESTION:** May be 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 CFR1910.1200).

### 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 NOT classified as 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 may 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:** 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

#### If it is safe to do so:

**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 - DO NOT puncture or incinerate container. Do not use or store near heat, sparks, open flame, or any other ignition sources. Take prudent precautions to avoid contact with skin, eyes, and clothing. Avoid breathing vapors or spray mists of this product. Mechanical ventilation should be used when handling this product in enclosed spaces. Wearing a respirator is not normally required when handling this product, but recommended in the absence of proper mechanical ventilation. Do not contaminate water, food or feedstuffs by storage, handling, or disposal. Read and observe all precautions and instructions on the label.

**STORAGE:** Store containers upright and closed. Store in areas that are cool, dry, and well-ventilated. Exposure to temperatures at or above 130°F (54.4°C) may cause bursting. Keep away from heat, open flame, any ignition sources, and strong oxidizers. Emptied containers may retain product residues. DO NOT puncture or incinerate container.

#### KEEP OUT OF REACH OF CHILDREN.

### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

USER MUST READ & OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL.

**EYES & FACE:** Do not get this material in your eyes. Eye contact can be avoided by wearing protective eyewear.

**RESPIRATORY PROTECTION:** Use this material only in well ventilated areas. Unless ventilation is adequate to keep airborne concentrations below recommended exposure standards, approved respiratory protection should be worn.

**SKIN & HAND PROTECTION:** Avoid contact with skin or clothing. Skin contact should be minimized by wearing protective clothing including gloves.

### 9. PHYSICAL PROPERTIES

**PHYSICAL STATE:** Liquefied gases and liquid.

**ODOR:** Solvent odor.

**APPEARANCE:** Milky emulsion.

**pH:** 5.91

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

**VAPOR DENSITY:** Heavier than air.

**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:** 1.013 (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:** 6596.7 CPS at 25.5°C (77.9°F)

**VOC:** < 20.000 %

## 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

**Oral Toxicity LD50 (rats)** > 5,000 mg/kg

**Dermal Toxicity LD50 (rabbits)** > 2,000 mg/kg

**Inhalation Toxicity** The Acute Inhalation LC50 of this material places it in EPA Toxic Category III.

**EYE EFFECTS:** Irritation clearing in 72 hours.

**SKIN EFFECTS:** Very slight irritation at 72 hours. Produced a primary skin irritation index of 0.46 in albino rabbits.

**SENSITIZATION:** Negative; Not considered to be a dermal sensitizer to albino guinea pigs.

**GENERAL COMMENTS:** Some or all of the toxicity data reported above was bridged from a substantially similar formula.

**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. Do not contaminate water when disposing of equipment wash waters or rinsate.

## 13. DISPOSAL

**DISPOSAL METHOD:**

**IF EMPTY:** Place in trash or offer for recycling if available.

**IF PARTLY FILLED:** Call your local solid waste agency for disposal instructions.

**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

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**FIRE:** No, **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 CFR302.4) 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 20% VOC's.

### HMIS Rating:

Health: 1

Flammability: 4

Physical Hazard: 1

Personal Protection: as above

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.

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