

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Product Identifier: 93290, 93410
Product Name: Bengal Yard & Patio Outdoor Fogger, or Bengal Yard & Patio Mosquito Fogger
Synonyms: EPA Reg. No. 68543-25
Recommended Use: Insecticide – Outdoor flying insect killer - Aerosol
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

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Inhalation (Dusts/Mists)	Category 5, may be irritating to some individuals
Acute Toxicity (Oral)	Category 5, may be irritating to some individuals
Acute Toxicity (Dermal)	Category 4, mild irritant
Acute Toxicity (Eyes)	Category 2B, mildly irritating

Emergency Overview

Environmental: Acute Hazards to the Aquatic Environment, Category 1
Physical: Liquefied Gases, Category 1

GHS LABEL



SIGNAL WORD: WARNING

HAZARD STATEMENTS

H280: Contains gas under pressure; may explode if heated.
H312: Harmful in contact with skin.
H333: May be harmful if inhaled.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

Prevention:

P202: Do not handle until all safety precautions have been read and understood.
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P270: Do not eat, drink, or smoke when using this product.
P273: Avoid release to the environment.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P411+P235: Store at temperatures not exceeding 54.4°C/ 130°F. Keep cool.

Disposal:

P501: Dispose of contents/container to an approved waste disposal plant.

COMMENTS: This material is considered hazardous by the 2012 OSHA Hazard Communication Standard [29 CFR 1910.1200(a)(1)], and the G.H.S.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Weight-%</u>	<u>Trade Secret</u>
Permethrin	52645-53-1	2.00	
Prallethrin	23031-36-9	0.05	
Petroleum Distillates	64742-47-8	<10	
Liquefied Petroleum Gas	68476-86-8	15 - 25	
Other Ingredients		<75%	**

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. 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.

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.

Most Important Symptoms and Effects: Coughing and/ or wheezing. Difficulty in breathing.

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: 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. ACCIDENTAL RELEASE MEASURES

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. Mechanical ventilation should be used when handling this product in enclosed spaces. Do not contaminate water, food or feedstuffs by storage, handling, or disposal.

READ AND OBSERVE ALL PRECAUTIONS AND INSTRUCTIONS ON THE PRODUCT LABEL.

STORAGE: Store containers upright and closed. Always store pesticides in the original container. Store away from food and petfood. Store in areas that are cool, dry, and well-ventilated. DO NOT expose to temperatures above 130°F (54.4°C), as bursting may occur. 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 CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200) EXPOSURE LIMITS

Chemical Name		OSHA PEL		ACGIH TLV		Supplier OEL	
		ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
Permethrin	TWA	None		None		None	
Prallethrin	TWA	None		None		None	
Petroleum Distillates	TWA	None		None		None	
Liquefied Petroleum Gas	TWA	1000	1800	1000	1800	None	

ENGINEERING CONTROLS: Mechanical ventilation should be used when handling this product in enclosed spaces. Local exhaust ventilation may be necessary.

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.

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 AND CHEMICAL PROPERTIES

Specific Gravity Of Concentrate: Approx. 1.0

Boiling Point (F): N/A

Solubility In Water : Partially miscible

Appearance: white opaque emulsion

Flammable Limits In Air, % by volume: Lower: 3.4%

Other Physical and Chemical Properties not determined.

Vapor Pressure (Psig @ 70°F): 70

Percent Volatile By Volume: <98%

Evaporation Rate(Water=1): Not Established

Odor: Slight solvent smell.

Upper: 18.0%

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:	Excessive heat, flames and sparks.
Incompatible materials:	None known based on information supplied.
Hazardous Decomposition Products:	Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Toxicity Study	Classification
Acute Oral:	EPA Category IV (LD50 > 5000mg/L)
Acute Dermal:	EPA Category IV (LD50 > 5000mg/L)
Acute Inhalation:	EPA Category IV (LC50 > 2.02mg/L)
Primary Eye:	EPA Category III
Primary Dermal:	EPA Category III
Sensitization:	Non-sensitizer

Some of the toxicity data may be bridged from substantially similar tested formulations.

Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Permethrin 52645-53-1		Group 2A, Group 3		X

IARC (International Agency for Research on Cancer): Group 2A - Probably Carcinogenic to Humans. Group 3 - Not Classifiable as to Carcinogenicity in Humans.

OSHA (Occupational Safety and Health Administration of the US Department of Labor): X - Present

12. ECOLOGICAL INFORMATION

This pesticide is extremely toxic to aquatic organisms, including fish and aquatic invertebrates. Do not contaminate water when disposing of aerosol unit, washwater or rinsate. See the "Directions For Use" on the product label for additional precautions and requirements. Do not apply directly to water.

13. DISPOSAL CONSIDERATIONS

Disposal methods: DO NOT puncture or incinerate container!

IF EMPTY: Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.

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

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name CONSUMER COMMODITY
Hazard Class ORM-D
Description CONSUMER COMMODITY, ORM-D
Emergency Response Guide Number 126

IATA

UN-No. UN1950
Proper Shipping Name AEROSOLS, NON-FLAMMABLE
Hazard Class 2.2
Description UN1950, AEROSOLS, NON-FLAMMABLE, 2.2

15. REGULATORY INFORMATION

This chemical is a pesticide product registered by the 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 pesticide label also includes other important information, including directions for use. Following is the hazard information as required on the pesticide label: CAUTION. KEEP OUT OF REACH OF CHILDREN.

Harmful if swallowed.

Causes moderate eye irritation.

Avoid contact with eyes or clothing.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory: Complies

SARA 313 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No.	Weight-%	SARA 313 - Threshold Values %
Permethrin	52645-53-1	2	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden release of pressure hazard	Yes
Reactive Hazard	No

CWA (Clean Water Act) This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA: This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations :

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Supplier Trade Secret	X	X			
Permethrin 52645-53-1	X	X		X	X

16. OTHER INFORMATION

NFPA Health Hazards 1 Flammability 4 Instability 0 Physical and Chemical Hazards -
HMIS Health Hazards 1 Flammability 4 Physical Hazard 0 Personal Protection X

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