

MATERIAL SAFETY DATA SHEET
(Complies with OSHA CFR 1910.1200, ANSI Z 400.1-1993)

SECTION 1: Chemical Product & Company Identification

Product Name(s): Black Leaf Home Insect Fogger

EPA Number: 5887-156

Manufacturer Name & Address: Value Garden Supply, LLC 9100 W Bloomington Freeway Suite 113 Bloomington, MN 55431

Telephone Contact Number & Hours of Operation: (952) 884-6477, 8:00 a.m. - 5:00 Central Time

Emergency Telephone Contact Number: 1-800-858-7378

SECTION 2: Composition/Information on Ingredients

<u>Hazardous Ingredients</u> ^(*) :	% by weight	CAS No.	OSHA TWA	PEL STEL	ACGIH TWA	TLV STEL
pyrethrins	0.05	8003-34-7	5 mg/m ³ (**)	NE	5 mg/m ³ (**)	NE
permethrin	0.40	52645-53-1	5 mg/m ³ (**)	NE	5 mg/m ³ (**)	NE
bicyclo(2,2,1)heptene-2-dicarboxylic acid, 2-ethylhexylimide (MGK 264)	0.40	113-48-4	NE	NE	NE	NE
proprietary petroleum hydrocarbon	<10.0	-	NE	NE	NE	NE
isobutane/propane propellant ^(***)	<40.0	-	1800 mg/m ³	NE	4508 mg/m ³	NE

* all ingredients in quantities > 1.0 % (0.1 % for carcinogens or teratogens) that are potentially hazardous per OSHA definitions

** as pyrethrum

*** PEL & TLV as propane

SECTION 3: Hazards Identification

EMERGENCY OVERVIEW

Physical description: Light yellow opaque emulsion

Odor: Slight

Physical Hazards: Container may explode violently in heat of fire. Concentrated vapors are flammable.

Potential Health Effects: This material may be moderately irritating to the eyes and skin, and inhalation may result in a runny nose and scratchy throat. Personnel responding to a spill of this material would likely encounter no other substantial hazards.

SECTION 4: First Aid Measures

Skin Contact: Wash with plenty of soap and water. Get medical attention if irritation persists.

Ingestion: If swallowed, promptly drink large amounts of water. Never give liquids to an unconscious person. Get medical attention. DO NOT INDUCE VOMITING

Eye Contact: Immediately flush eyes with water for at least 15 minutes. Call a physician if irritation persists.

Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

NOTES TO PHYSICIAN: The minimum lethal dose is in the range of 10 to 100 grams.

SECTION 5: Fire Fighting Measures

Extinguishing media: CO₂, dry chemical, foam

Flashpoint: not applicable

Hazardous products of combustion: not determined

Autoignition temperature: not determined

Protective Equipment: Use SCBA and bunker gear.

NFPA CODES: FIRE: 0 HEALTH: 1 REACTIVITY: 0

SECTION 6: Accidental Release Measures

Spills: Eliminate ignition sources. Absorb spill with sorbent and transfer into containers for proper disposal (See Disposal Comments in Section 13). Clean area with detergent and water.

SECTION 7: Handling & Storage

Storage: Stored in well-closed, upright containers at a temperature less than 40 deg C, preferably between 15-30 deg C., out of reach of children. Do not contaminate water, food or feed by storage or disposal. Do not reuse container.

SECTION 8: Exposure Controls & Personal Protective Equipment

Skin: Protective gloves (nitrile) recommended

Eye Protection: Recommended to avoid splashing of material directly into eyes

Respiratory: In typical applications no engineering controls should be needed; if industrial hygiene surveys show that occupational exposure limits may be exceeded, use NIOSH approved respirator with dust/mist cartridges, or mechanical ventilation.

SECTION 9: Physical & Chemical Parameters

Appearance: Light yellow opaque

Odor: slight odor

Physical state: liquid

pH: not determined

Solubility in water: emulsion

Bulk Density: 8.22 lbs/gallon

Vapor pressure: not determined

Vapor density: not determined

Boiling point: not determined

Freezing point: not determined

SECTION 10: Stability & Reactivity

Stability: stable

Conditions to avoid: excessive heat

Incompatibilities: Concentrated mineral supplements (fertilizers), strong oxidizers, acids

Hazardous polymerization: will not occur

SECTION 11: Toxicological Information

Note to Consumers: Information provided in this section is oriented to medical and public health professionals involved in the assessment and treatment of excessive and/or accidental exposures.

Permethrin: Oral LD₅₀ = >5,000 mg/kg Dermal LD₅₀ = >5,000 mg/kg Inhalation LC₅₀ = >5,000 mg/m³

Pyrethrins: Oral LD₅₀ = >5,000 mg/kg Dermal LD₅₀ = >2,000 mg/kg Inhalation LC₅₀ = >5,000 mg/m³

Not a contact sensitizer. Carcinogens: None listed per OSHA, NTP, or IARC

SECTION 12: Ecological Information

Ecotoxicity: May be hazardous to aquatic invertebrates. Do not apply directly to water; do not contaminate water by cleaning of equipment or disposal of washwaters.

Environmental Fate: MGK 264 is expected to bioconcentrate moderately in aquatic organisms. Vapor-phase MGK 264 is estimated to degrade rapidly (half-life 1 hr).

SECTION 13: Disposal Considerations

This material (as packaged) is not considered a hazardous waste. Be aware that the waste owner has responsibility for final disposal. Regulations may also apply to empty containers, liners or rinsate. Laws may change or be reinterpreted; state and local regulations may be different from federal regulations. This information applies to materials as manufactured; contamination or processing may change

waste characteristics and requirements.

SECTION 14: Transport Information

DOT Hazard Description: Consumer Commodity, ORM-D

SECTION 15: Regulatory Information

CERCLA RQ: 1 lb

SARA TPQ: 10,000 lbs.

Individual States: States such as Pennsylvania, New Jersey, California, Vermont, Massachusetts and Rhode Island may all have components of this product listed; consult specific state regulatory requirements for additional information.

SECTION 16: Other Information

For additional information, refer to the American Conference of Governmental Industrial Hygienists (ACGIH) documentation of TLV's (Threshold Limit Values) for individual components and the DOT Emergency Response Guidebook.

This information is provided in good faith, but without express or implied warranty.