



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield Bug Blaster Lambda-Cyhalothrin Ready-To-Use

SECTION 1: Identification

Product identifier

Product name	Hi-Yield Bug Blaster Lambda-Cyhalothrin Ready-To-Use
Product number	34699
Brand	Hi-Yield

Other means of identification

EPA Reg. No. 53883-196-7401

Recommended use of the chemical and restrictions on use

Residential use insecticide

Supplier's details

Name	Voluntary Purchasing Groups, Inc.
Address	230 FM 87 Bonham TX 75418 USA
Telephone	855-270-4776

Emergency phone number(s)

In the event of a medical or chemical emergency contact ChemTel, Inc. North American 1-800-255-3924 or worldwide Intl. + 01-813-248-0585

SECTION 2: Hazard identification

Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

Not a hazardous substance or mixture.

GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

Other hazards which do not result in classification

Not a hazardous substance or mixture.

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SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

Component	Concentration
lambda-cyhalothrin (ISO) (CAS no.: 91465-08-6; EC no.: 415-130-7; Index no.: 607-252-00-6)	0.002 % (weight)
CLASSIFICATIONS: Acute toxicity, Cat. 2; Acute toxicity, Cat. 3; Acute toxicity, Cat. 4; Hazardous to the aquatic environment, short-term (acute), Cat. 1; Hazardous to the aquatic environment, long-term (chronic), Cat. 1. HAZARDS: H301 - Toxic if swallowed; H312 - Harmful in contact with skin; H330 - Fatal if inhaled; H400 - Very toxic to aquatic life; H410 - Very toxic to aquatic life with long lasting effects.	

SECTION 4: First-aid measures

Description of necessary first-aid measures

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.
In case of skin contact	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.
In case of eye contact	Hold eye open and rinse slowly and gently with water for 15 to 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.
If swallowed	Call a poison control center or doctor 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 poison control center or doctor. Do not give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed

Lambda-cyhalothrin is known to cause paresthesia or tingling of the skin on exposed areas.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Water spray, alcohol-resistant foam, dry chemical or carbon dioxide

Specific hazards arising from the chemical

Unsuitable Extinguishing Media: Water jet as it may spread fire.

Special protective actions for fire-fighters

Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Foam and/or dry chemical are preferred to minimize environmental contamination. If water is used, dike and collect water to prevent run-off. Wear self-contained breathing apparatus and full fire-fighting turn-out gear (Bunker gear).

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

See Section 8 for personal protection equipment.

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Environmental precautions

Keep spilled material and any rinsate from contaminating soil or from entering sewage and drainage systems and bodies of water.

Methods and materials for containment and cleaning up

Isolate the spill area. Keep unnecessary and unprotected personnel from entering. Absorb small spills with sand, vermiculite or other inert absorbent. Dike large spills using absorbent or impervious material such as clay or sand. Recover and contain as much free liquid as possible for reuse. Allow absorbed material to solidify and scrape up for disposal.

Place contaminated material in appropriate container for disposal. After removal, flush contaminated area thoroughly with soap and water. Pick up wash liquid with additional absorbent and place in a disposable container. Do not put spilled material back in the original container. Clean area carefully as spilled product may cause a slipping hazard.

SECTION 7: Handling and storage

Precautions for safe handling

RECOMMENDATIONS ARE INTENDED FOR MANUFACTURING, PACKAGING AND COMMERCIAL BLENDING WORKERS. PESTICIDE APPLICATORS AND WORKERS must refer to the product label and Directions for Use attached to the product for Agricultural Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170. Handle and open container in a manner as to prevent spillage. Do not eat, drink or smoke while handling this product. Immediately wash off accidental splashes of the concentrate or spray mixture from skin, clothing and out of eyes.

Conditions for safe storage, including any incompatibilities

See pesticide label for full information on product storage. Do not contaminate water, food or feed by storage of this product. Store away from sources of heat, out of direct sunlight and away from incompatible materials. Pesticides should be stored in secured areas away from children and animals.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Chemical goggles or safety glasses and full-face shield.

Skin protection

Long-sleeved shirt, long pants and shoes plus socks.

Body protection

Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile, neoprene rubber, polyvinyl chloride (PVC) or Viton.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)

Translucent white liquid

Odor

Mild chemical

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Odor threshold	
pH	5.0 - 6.0
Melting point/freezing point	
Initial boiling point and boiling range	
Flash point	
Evaporation rate	
Flammability (solid, gas)	
Upper/lower flammability limits	
Vapor pressure	
Vapor density	
Relative density	0.99 – 1.01 g/ml
Solubility(ies)	
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

SECTION 10: Stability and reactivity

Reactivity

No hazardous chemical reactions known.

Chemical stability

Stable under normal storage and handling conditions.

Possibility of hazardous reactions

No potential for hazardous reactions known.

Conditions to avoid

Excessive heat, sources of ignition

Incompatible materials

Not determined

Hazardous decomposition products

Thermal decomposition may produce toxic carbon and nitrogen oxides.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Likely Routes of Exposure:

Eye contact, Skin contact, Inhalation, Ingestion

Symptoms of Exposure:

Lambda-cyhalothrin is known to cause paresthesia. In humans, contact with exposed skin may result in temporary itching, tingling, burning or numbness, called paresthesia. The effect may result from splash, spray mist or transfer to the face from contaminated gloves and hands. The symptoms normally disappear within 24 hours. Face and genital areas are especially susceptible to this effect. Paresthesia involving the face is also known as "subjective facial sensation" or SFS.

Oral LD50: >4,800 mg/kg (rat) (Estimated based upon component data.)

Dermal LD50: >4,800 mg/kg (rat) (Estimated based upon component data.)

Inhalation LC50: >5.0 g/mL (4-hr)(rat)(Estimated based upon component data.)

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Skin corrosion/irritation

Not anticipated to cause skin irritation based upon component data.

Serious eye damage/irritation

Not anticipated to cause eye irritation based upon component data.

Respiratory or skin sensitization

Not anticipated to be a skin sensitizer based upon component data.

Germ cell mutagenicity

No data available

Carcinogenicity

None listed

Reproductive toxicity

No data available

Aspiration hazard

Not anticipated to be an aspiration hazard.

Additional information

Chronic/Subchronic Toxicity: Lambda-cyhalothrin technical: Reversible paresthesia (abnormal skin sensation). Reversible clinical signs of neurotoxicity in mammals.

SECTION 12: Ecological information

Toxicity

The data presented below is on technical lambda-cyhalothrin.

Fish Toxicity:	Rainbow trout: 96 hr LC50 <0.24 µ/L
Aquatic Invertebrate Toxicity:	Daphnia magna: 48 hr EC50 <0.001 µ/L
Aquatic Plant Toxicity:	No data available
Avian Toxicity:	No data available
Honeybee Toxicity:	0.038 µg/bee

Persistence and degradability

Not persistent in soil or water.

Bioaccumulative potential

No data available

Mobility in soil

Immobile in soil and sinks in water after 24 hours.

Other adverse effects

No data available

SECTION 13: Disposal considerations

Disposal of the product

Refer to the pesticide label for full information on disposal. Pesticide wastes are toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of Federal law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

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It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste.

Disposal of contaminated packaging

Refer to the pesticide label for full information on disposal. When possible, triple rinse the container and offer for recycling if available.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

Toxic Substances Control Act (TSCA) Inventory

This product is exempt from TSCA inventory listing requirements as it is solely for FIFRA regulated use.

SARA 302 Components

None

SARA 311/312 Hazards

None

SARA 313 Components

None

California Prop. 65 Components

None

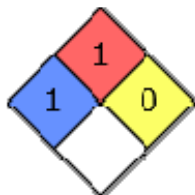
New Jersey Right To Know Components

Lambda-cyhalothrin

Pennsylvania Right To Know Components

Lambda-cyhalothrin

NFPA Rating



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SECTION 16: Other information