



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet

Hi-Yield Bug Blaster Lamba-Cyhalothrin 0.5% Ready to Spray

SECTION 1: Identification

GHS Product identifier

Product name	Hi-Yield Bug Blaster Lamba-Cyhalothrin 0.5% Ready to Spray
Product number	34696
Brand	Hi-Yield

Other means of identification

EPA Reg. No. 53883-197-7401

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
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Emergency phone number

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)

- Acute toxicity, oral, Cat. 4
- Acute toxicity, inhalation, Cat. 4

GHS label elements, including precautionary statements

Pictograms



Signal word

Warning

Hazard statement(s)

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H302 Harmful if swallowed
H332 Harmful if inhaled

Precautionary statement(s)

P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P301+P312 IF SWALLOWED: Call a POISON CENTER /doctor if you feel unwell.
P330 Rinse mouth.
P501 Dispose of contents/container to in accordance with Federal, State and local regulations.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P271 Use only outdoors or in a well-ventilated area.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P102 Keep out of reach of children.
P103 Read label before use.

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)	0.5 %
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

General advice Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

In case of eye contact

- Hold eye open and rinse slowly and gently with water 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continuing 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 the poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

SECTION 5: Fire-fighting measures

Specific hazards arising from the chemical

Pesticide fires have potential to produce irritating or toxic gases.

Special protective actions for fire-fighters

Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area and equipment until decontaminated. Water runoff can cause environmental damage.

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SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Clean up spills immediately. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

Methods and materials for containment and cleaning up

In case of spillage or leakages, soak up with an absorbent material such as sand, sawdust, earth, Fuller's earth, etc. Dispose of with chemical waste.

SECTION 7: Handling and storage

Precautions for safe handling

Do not contaminate water, food, or feed by storage or disposal or cleaning of equipment. Carefully open containers and after partial use close container tightly. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Store in cool, dry area away from children and domestic animals.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

Whenever possible, adequate ventilation should be used to minimize the need for personal protective equipment.

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

Eye/face protection

Wear goggles or face shield

Skin protection

Long-sleeve shirt, long pants, shoes plus socks

Body protection

Chemical-resistant gloves

Respiratory protection

For most conditions, no respiratory protection required. However, if handling without sufficient ventilation, use NIOSH approved air-purifying respirator with any N, P or R95 class filter and an organic vapor cartridge.

SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Translucent white liquid
Odor	Mild chemical
Odor threshold	No information available.
pH	5.5-6.0
Melting point/freezing point	No information available.
Initial boiling point and boiling range	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Vapor pressure	No information available.
Vapor density	No information available.
Relative density	0.99-1.01g/ml

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Solubility(ies)	Soluble in water
Partition coefficient: n-octanol/water	No information available.
Auto-ignition temperature	No information available.
Decomposition temperature	No information available.
Viscosity	0.89 cps@ 25C

Additional properties

Physical state	Liquid
Color	Translucent white

SECTION 10: Stability and reactivity

Reactivity

No dangerous reaction known under conditions of normal use.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid

Avoid excessive heat

Incompatible materials

None known.

Hazardous decomposition products

Product can decompose at high temperatures forming toxic gases

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Acute Oral LD50 (Rat): > 1,750 mg/kg

Acute Dermal LD50 (Rabbit): > 5,000 mg/kg

Acute Inhalation LC50 (Rat): > 2.0 mg/L/4 hr

Eye Irritation: Slightly irritating

Skin Irritation: Slightly irritating

Dermal Sensitization: Not a skin sensitizer

Skin corrosion/irritation

May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Serious eye damage/irritation

Causes eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Respiratory or skin sensitization

May cause respiratory tract irritation.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

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Lambda-cyhalothrin technical: No treatment-related tumors in rats or mice.

Reproductive toxicity

Lambda-cyhalothrin technical: Not a developmental or reproductive toxicant.

Specific target organ toxicity (STOT) - single exposure

In humans, contact with exposed skin may result in temporary itching, tingling, burning or numbness, called paresthesia. The effect may result from splash, aerosol, or hot vapor contact, 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.

Specific target organ toxicity (STOT) - repeated exposure

Lambda-cyhalothrin technical: Liver, nervous system

SECTION 12: Ecological information

Toxicity

This pesticide is extremely toxic to fish. Do not contaminate water when disposing of equipment washwaters. Do not apply directly to water. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

Persistence and degradability

Lambda-cyhalothrin technical: Not persistent in soil or water, Immobile in soil. Sinks in water after 24 hours

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

Packaging disposal

Dispose of product containers, waste containers, and residues according to label instructions and local, state, and federal health and environmental regulations

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

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

Labeling requirements under FIFRA

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 for safety data sheet, and for workplace labels of nonpesticide chemicals. Following is the hazard information as required on the pesticide label.

SARA 311/312 Hazards

Acute health hazard (immediate)
Chronic health hazard (delayed)

SARA 313 Components

Not applicable

California Prop. 65 Components

Not applicable

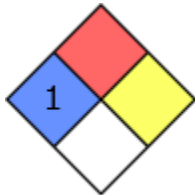
Toxic Substances Control Act (TSCA) Inventory

The ingredients of this product are listed on the TSCA inventory or are exempt

HMIS Rating

Hi-Yield Bug Blaster Lamba-Cyhalothrin 0.5% Ready to Spray	
HEALTH	1
FLAMMABILITY	
PHYSICAL HAZARD	
PERSONAL PROTECTION	

NFPA Rating



SECTION 16: Other information

Further information/disclaimer

Voluntary Purchasing Groups, Inc. believes the information presented herein is accurate and correct as of the document date. The presented information is based upon available data from reliable sources. Voluntary Purchasing Groups, Inc. makes no warranty, express or implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.