



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield® Bug Blaster Bifenthrin 2.4

SECTION 1: Identification

Product identifier

Product name Hi-Yield® Bug Blaster Bifenthrin 2.4

Product number 32295

Other means of identification

EPA # 228-459-7401

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 label elements, including precautionary statements

Signal word

Warning

Hazard statement(s)

H315+H320

H302

H312

H332

Causes skin and eye irritation

Harmful if swallowed

Harmful in contact with skin

Harmful if inhaled

Precautionary statement(s)

P102

Keep out of reach of children.

SECTION 3: Composition/information on ingredients

Substances

Safety Data Sheet

Hi-Yield® Bug Blaster Bifenthrin 2.4

Hazardous components

| Component | Concentration |
|----------------------------------|---------------|
| Bifenthrin (CAS no.: 82657-04-3) | 2.4 % |

SECTION 4: First-aid measures

Description of necessary first-aid measures

| | |
|-------------------------|---|
| General advice | Call a poison control center or doctor for treatment advice. Have the Safety Data Sheet, and if available, the product container or label with you when calling a poison control center or doctor, or going for treatment. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If breathing difficulties occur, seek medical attention immediately. |
| If inhaled | Move person to fresh air. If person is not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a poison control center or doctor for treatment advice. |
| In case of skin contact | Wash skin with soap and plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice. |
| In case of eye contact | Hold eyes 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 eyes. Call a poison control center or doctor for treatment advice. |
| If swallowed | Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a poison control center or doctor for treatment advice. |

Personal protective equipment for first-aid responders

Respiratory Protection: NIOSH/MSHA approved for protection against toxic dusts containing quartz. Ventilation: General or local exhaust to maintain employee exposure below the TLV/PEL. Protective Gloves: PVC or Neoprene. Eye Protection: Safety glasses or goggles (ANSI Z87.1 1979) Other Protective Clothing or Equipment: Apron, boots, long sleeved shirt and full-length pants may be worn when necessary to prevent skin contact. Eye wash and shower facilities should be available.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Water fog, CO₂, foam, dry chemical.

Specific hazards arising from the chemical

Products of combustion from fires involving this material may be toxic. Avoid breathing smoke and mists. Avoid personnel and equipment contact with fallout and runoff. Minimize the amount of water used for fire fighting. Do not enter any enclosed area without full protective equipment, including self-contained breathing equipment. Contain and isolate runoff and debris for proper disposal. Decontaminate personal protective equipment and firefighting equipment before reuse. Read the entire document.

Special protective actions for fire-fighters

Utilize self-contained breathing apparatus with full face piece operated in pressure demand or other positive mode. Avoid inhalation of fumes and dusts.

Safety Data Sheet

Hi-Yield® Bug Blaster Bifenthrin 2.4

May release irritating and toxic gases due to thermal decomposition. Products of decomposition may include CO, CO₂, hydrogen chloride, and hydrogen fluoride.

Further information

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Respiratory Protection: NIOSH/MSHA approved for protection against toxic dusts containing quartz. Ventilation: General or local exhaust to maintain employee exposure below the TLV/PEL. Protective Gloves: PVC or Neoprene. Eye Protection: Safety glasses or goggles (ANSI Z87.1 1979) Other Protective Clothing or Equipment: Apron, boots, long sleeved shirt and full-length pants may be worn when necessary to prevent skin contact.

Methods and materials for containment and cleaning up

SMALL SPILL: While wearing rubber gloves, soak up spilled material with paper towels and discard in trash. LARGE SPILL: Dike or contain release. Keep material out of lakes, streams, ponds, and sewer drains. Large spills should be covered to prevent dispersal. Absorb with a non-combustible absorbent such as clay, sand or soil. Vacuum, shovel, or pump all waste material, including absorbent, into drums and label contents for disposal. Clean spill area of residues and absorbent.

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

Keep from freezing. Keep pesticide in original container. Do not put into food or drink containers. Do not contaminate water, food or feed by storage or disposal. Store in cool, dry area away from children and domestic animals.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

Ventilation: General or local exhaust to maintain employee exposure below the TLV/PEL.

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

Eye/face protection

Safety glasses or goggles (ANSI Z87.1 1979)

Skin protection

PVC or Neoprene gloves

Body protection

Apron, boots, long sleeved shirt and full-length pants may be worn when necessary to prevent skin contact. Eye wash and shower facilities should be available.

Respiratory protection

NIOSH/MSHA approved for protection against toxic dusts.

SECTION 9: Physical and chemical properties

Safety Data Sheet

Hi-Yield® Bug Blaster Bifenthrin 2.4

Information on basic physical and chemical properties

| | |
|---|---------------|
| Appearance/form | White liquid |
| Odor | Mild chemical |
| Odor threshold | |
| pH | 3.5 |
| Melting point/freezing point | |
| Initial boiling point and boiling range | |
| Flash point | Not flammable |
| Evaporation rate | |
| Flammability (solid, gas) | |
| Upper/lower flammability limits | |
| Vapor pressure | |
| Vapor density | |
| Relative density | 8.23 lbs/gal |
| Solubility(ies) | Not available |
| Partition coefficient: n-octanol/water | |
| Auto-ignition temperature | |
| Decomposition temperature | |
| Viscosity | |
| Explosive properties | |
| Oxidizing properties | |

SECTION 10: Stability and reactivity

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

HAZARDOUS POLYMERIZATION: Will not occur.

Conditions to avoid

None known

Hazardous decomposition products

May release irritating and toxic gases due to thermal decomposition. Products of decomposition may include CO, CO₂, hydrogen chloride, and hydrogen fluoride.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Acute Oral LD₅₀ (Rat): > 5,000 mg/kg
Acute Dermal LD₅₀ (Rabbit): > 10,000 mg/kg
Acute Inhalation LC₅₀ (Rat): > 8.9 mg/L/4-hr
Eye Irritation: Minimally irritating
Skin Irritation: Non-irritating
Dermal Sensitization: No data available

Skin corrosion/irritation

Effects from overexposure may result from either swallowing, inhaling or coming into contact with the skin or eyes. Symptoms of overexposure include bleeding from the nose, tremors and convulsions. Contact with bifenthrin may

Safety Data Sheet

Hi-Yield® Bug Blaster Bifenthrin 2.4

occasionally produce skin sensations such as rashes, numbing, burning or tingling. These skin sensations are reversible and usually subside within 12 hours.

Respiratory or skin sensitization

Germ cell mutagenicity

None observed.

Carcinogenicity

The U.S. EPA classified bifenthrin as a Group C, possible human carcinogen. This rating is based on an increased rate of urinary bladder tumors in mice, adenoma and adenocarcinoma of the liver in male mice, and bronchioalveolar adenomas and adenocarcinomas of the lung in some female mice.

Summary of evaluation of the CMR properties

None observed.

SECTION 12: Ecological information

Toxicity

This pesticide is extremely toxic to fish and aquatic invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters, and 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. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. Care should be used when spraying to avoid fish and reptile pets in/around ornamental pounds. 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 plants if bees are visiting the treatment areas.

Other adverse effects

ECOTOXICOLOGICAL INFORMATION: Aquatic Organisms Effects:

Rain trout LC50: 0.00015 mg/L

Bluegill LC50: 0.00035 mg/L

Daphnia magna EC50: 0.0016 µg/L

Effects on Birds:

Mallard Duck LD50 (21-day): 2150 mg/kg

Bobwhite quail LD50 (21-day): 1,800 mg/kg

SECTION 13: Disposal considerations

Disposal of the product

If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

SECTION 14: Transport information

DOT (US)

Not Regulated.

IMDG

Safety Data Sheet

Hi-Yield® Bug Blaster Bifenthrin 2.4

UN3082, Environmentally Hazardous substances, liquid, n.o.s. (bifenthrin), 9, PG III, Marine Pollutant

IATA

UN3082, Environmentally Hazardous substances, liquid, n.o.s. (bifenthrin), 9, PG III, Marine Pollutant

SECTION 15: Regulatory information

Chemical Safety Assessment

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

CAUTION Harmful if swallowed, inhaled, or absorbed through skin. 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.

SARA TITLE III CLASSIFICATION:

Section 302: Not applicable.

Section 311/312: Acute health hazard (immediate)

Chronic health hazard (delayed)

Section 313: Bifenthrin (7.9%) CAS #:82657-04-3

CA PROPOSITION 65: Not applicable

CERCLA RQ: Not applicable

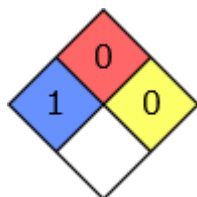
RCRA CLASSIFICATION: Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

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

HMIS Rating

| Hi-Yield® Bug Blaster Bifenthrin 2.4 | |
|--------------------------------------|---|
| HEALTH | 1 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |
| PERSONAL PROTECTION | |

NFPA Rating



SECTION 16: Other information

Voluntary Purchasing Groups, Inc. urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the

Safety Data Sheet

Hi-Yield® Bug Blaster Bifenthrin 2.4

manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.