



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield Bug Blaster II Granules

SECTION 1: Identification

GHS Product identifier

Product name	Hi-Yield Bug Blaster II Granules
Product number	33326; 33327
Brand	Hi-Yield

Other means of identification

EPA Reg. No. 228-498-7401

Recommended use of the chemical and restrictions on 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

General hazard statement

Harmful if inhaled. Causes skin irritation. Causes eye irritation. Very toxic to aquatic life.

Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2012)

- Acute toxicity, inhalation, Cat. 4
- Eye damage/irritation, Cat. 2B
- Skin corrosion/irritation, Cat. 2

GHS label elements, including precautionary statements

Pictograms



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Signal word

Danger

Hazard statement(s)

H332

Harmful if inhaled

H320

Causes eye irritation

H315

Causes skin irritation

Precautionary statement(s)

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.

P264

Wash ... thoroughly after handling.

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P337+P313

If eye irritation persists: Get medical advice/attention.

P280

Wear protective gloves.

P302+P352

IF ON SKIN: Wash with plenty of water/...

P321

Specific treatment (see ... on this label).

P332+P313

If skin irritation occurs: Get medical advice/attention.

P362+P364

Take off contaminated clothing and wash it before reuse.

P102

Keep out of reach of children.

P103

Read label before use.

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

Component	Concentration
Bifenthrin (CAS no.: 82657-04-3)	0.18 - 0.22 %
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Trade secret	Not specified, Trade secret
CLASSIFICATIONS: No data available. HAZARDS: No data available.	

Trade secret statement (OSHA 1910.1200(i))

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

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 by 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.

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If swallowed

Call a poison control center or doctor immediately for treatment advice. Have person sip 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

Eye exposure may cause slight irritation. Skin exposure may cause slight irritation.

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Use extinguishing media suitable for surrounding materials. Dry chemical, carbon dioxide, foam, water spray or fog.

Specific hazards arising from the chemical

If water is used to fight fire, contain runoff, using dikes to prevent contamination of water supplies. Dispose of fire control water later. May produce gases such as hydrogen chloride, hydrogen fluoride, carbon oxides and unidentified organic compounds.

Special protective actions for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear. Isolate fire area. Evaluate upwind.

Further information

Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full fire-fighting turn out gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

Environmental precautions

Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

Methods and materials for containment and cleaning up

Dike spill using absorbent or impervious materials such as earth, sand or clay. Collect and contain contaminated absorbent and dike material for disposal. Wash entire spill area with a detergent slurry, absorb and sweep into container for disposal. Decontaminate tools and equipment following cleanup. See Section 13: DISPOSAL CONSIDERATIONS for more information.

Reference to other sections

Section 8.
Section 13: DISPOSAL CONSIDERATIONS for more information.

SECTION 7: Handling and storage

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Precautions for safe handling

Do not get in eyes or on clothing. Avoid contact with skin. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove Personal Protective Equipment (PPE) immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Conditions for safe storage, including any incompatibilities

Store in original containers only. Store in a dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

Where engineering controls are indicated by specific use conditions or a potential for excessive exposure, use local exhaust ventilation at the point of generation.

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

Eye/face protection

To avoid contact with eyes, wear face shield, goggles or safety glasses with front, brow and temple protection. An emergency eyewash or water supply should be readily accessible to the work area.

Skin protection

To avoid contact with skin, wear coveralls over short-sleeved shirt and short pants, socks, shoes and chemical-resistant gloves. An emergency shower or water supply should be readily accessible to the work area.

Body protection

Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: 1) do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored; 2) wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics or using the toilet.

Respiratory protection

Not normally required. If vapors or mists exceed acceptable levels, wear NIOSH approved airpurifying respirator with cartridges/canisters approved for use against pesticides.

SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Brown, gray, tan speckled colored granule (depending on carrier)
Odor	Musty, woody, musty odor (depending on carrier)
Odor threshold	None known
pH	6.8-7.1
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.

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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	0.0282 - 0.819g/ml @ 24° C (loose) 0.327 – 0.844 g/ml @24° C (packed)
Solubility(ies)	No information available.
Partition coefficient: n-octanol/water	No information available.
Auto-ignition temperature	No information available.
Decomposition temperature	No information available.
Viscosity	No information available.
Additional properties	
Physical state	Solid
Color	Brown, gray, tan speckled colored

SECTION 10: Stability and reactivity

Reactivity

Stable under normal conditions of use.

Chemical stability

This material is stable under normal handling and storage conditions.

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to avoid

Excessive heat. Do not store near heat or flame.

Incompatible materials

Not known.

Hazardous decomposition products

Under fire conditions may produce gases such as hydrogen chloride, hydrogen fluoride, oxides of carbon and unidentified organic compounds.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Bifenthrin

LC50 - Fish - 0.1 µg/L - 96h

EC50 - Algae - 0.822 mg/L - 72h

EC50 - Crustacea - 0.11 µg/L - 48h

NOEC - Fish - 0.012 µg/L - 21d

NOEC - Crustacea - 0.0013 µg/L - 21d

Trade secret

LD50 Oral - Rat - > 5000 mg/kg

Skin corrosion/irritation

Minimally irritating based on toxicity studies.

Dermal: Rat LD50: >2,000 mg/kg

Skin Irritation: Rabbit: Minimally irritating

Skin Sensitization: Not a contact sensitizer in guinea pigs following repeated skin exposure

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Serious eye damage/irritation

Eye Irritation: Rabbit: Minimally irritating

Respiratory or skin sensitization

Low inhalation toxicity based on toxicity studies.

Inhalation: Rat 4-hr LC50: >2.00 mg/l

Germ cell mutagenicity

Bifenthrin: Not genotoxic in laboratory studies.

Carcinogenicity

Bifenthrin has produced an increased incidence of urinary bladder tumors in male mice at the highest dose level tested. This response, however, was considered equivocal and not evidence of a clear

compound related effect. The U.S. EPA has classified bifenthrin as a Class C carcinogen (a possible human carcinogen).

May contain kaolin, see assessment of carcinogenicity below. None listed with ACGIH, IARC, NTP or OSHA.

Reproductive toxicity

In studies with animals, bifenthrin did not cause reproductive toxicity.

Specific target organ toxicity (STOT) - single exposure

May cause damage to organs. May cause damage to organs. Bifenthrin: Central Nervous System.

Specific target organ toxicity (STOT) - repeated exposure

May cause damage to organs through prolonged or repeated exposure. Bifenthrin: Central Nervous System.

SECTION 12: Ecological information

Toxicity

Bifenthrin

LC50 - Fish - 0.1 µg/L - 96h

EC50 - Algae - 0.822 mg/L - 72h

Bluegill 96-hour LC50: 0.344 µg/l

Bobwhite Quail Oral LD50: 4450 ppm

Rainbow Trout 96-hour LC50: 0.15 µg/l

Mallard Duck 8-day Dietary LC50: 1280 ppm

Daphnia 48-hour EC50: 1.6 µg/l

Honey Bee Oral LD50: 0.0146 µg/bee

EC50 - Crustacea - 0.11 µg/L - 48h

NOEC - Fish - 0.012 µg/L - 21d

NOEC - Crustacea - 0.0013 µg/L - 21d

Persistence and degradability

In the soil, bifenthrin is stable over a wide pH range and degrades at a slow rate that is governed by soil characteristics.

Bifenthrin will also persist in aquatic sediments. Bifenthrin has a high Log Pow (>6.0), a high affinity for organic matter, and

is not mobile in soil. Therefore, there is little potential for movement into ground water. There is the potential for bifenthrin

to bioconcentrate (BCF = 11,750).

SECTION 13: Disposal considerations

Disposal methods

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Product disposal

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative the nearest EPA Regional Office for guidance.

Packaging disposal

Nonrefillable 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. Never place unused product down any indoor (including toilet) or outdoor (including sewer) drain.

SECTION 14: Transport information

DOT (US)

< 882 pounds: not regulated

≥ 882 pounds: UN 3077, Environmentally hazardous substance, solid, n.o.s., 9, PG III, (bifenthrin), Marine Polluta

IMDG

UN 3077, Environmentally hazardous substance, solid, n.o.s., 9, PG III, (bifenthrin), Marine Pollutant

IATA

UN 3077, Environmentally hazardous substance, solid, n.o.s., 9, PG III, (bifenthrin), Marine Pollutant

SECTION 15: Regulatory information

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

Massachusetts Toxic Use Reduction Act (TURA) list

Chemical name: Bifenthrin

CAS number: 82657-04-3

TRI listing: X-reportable; CERCLA listing: unlisted; TURA-only listing: no; de minimis concentration threshold: 1 percent. Changes: Added to TURA and TRI RY1995

New Jersey Right To Know Components

Common name: Biphenthrin

CAS number: 82657-04-3

Listing note: F2-flammable 2nd deg.

Minnesota Chemicals of High Concern (Minn. Stat. 116.9401)

Chemical name: Bifenthrin (talstar)

CAS number: 82657-04-3

Hlth: endocrine system; PBT/vPvB

Labeling requirements under FIFRA

Product name: Hi-Yield Bug Blaster II Granules

SARA 313 Components

Product name: Hi-Yield Bug Blaster II Granules

SARA 311/312 Hazards

Product name: Hi-Yield Bug Blaster II Granules

NFPA Rating

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SECTION 16: Other information

Further information/disclaimer

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