



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet

Hi-Yield® Vegetable & Ornamental Insect Control Granules

SECTION 1: Identification

Product identifier

Product name Hi-Yield® Vegetable & Ornamental Insect Control Granules

Product number 32325 32327

Other means of identification

EPA# 228-494-7401

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

- Acute toxicity, dermal (chapter 3.1), Cat. 4
- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 1

GHS label elements, including precautionary statements

Pictogram



Hazard statement(s)

H312 Harmful in contact with skin
H320 Causes eye irritation
H400 Very toxic to aquatic life

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Precautionary statement(s)

P102	Keep out of reach of children.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water/...
P312	Call a POISON CENTER/doctor/... if you feel unwell.
P321	Specific treatment (see ... on this label).
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents/container to ...
P273	Avoid release to the environment.
P391	Collect spillage.

SECTION 3: Composition/information on ingredients

Substances

Hazardous components

Component	Concentration
Bifenthrin (CAS no.: 82657-04-3)	Not specified

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

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

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

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.

Environmental precautions

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.

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

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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

Information on basic physical and chemical properties

Appearance/form	Brown, tan or gray colored granular
Odor	Faint odor
Odor threshold	
pH	
Melting point/freezing point	Not applicable
Initial boiling point and boiling range	
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	
Upper/lower flammability limits	
Vapor pressure	Not applicable
Vapor density	Not applicable
Relative density	
Solubility(ies)	
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

Other safety information

Density: 20 – 51 pounds/cubic foot

SECTION 10: Stability and reactivity

Chemical stability

This material is stable under normal handling and storage conditions.

Possibility of hazardous reactions

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Hazardous polymerization will not occur.

Conditions to avoid

Excessive heat. Do not store near heat or flame.

Hazardous decomposition products

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

SECTION 11: Toxicological information

Information on toxicological effects

Skin corrosion/irritation

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

Serious eye damage/irritation

Causes moderate eye irritation.

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).

None listed with ACGIH, IARC, NTP or OSHA.

See Section 2: HAZARDS IDENTIFICATION for more information.

Reproductive toxicity

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

Summary of evaluation of the CMR properties

Developmental Toxicity: Animal tests with bifenthrin have not demonstrated developmental effects.

Genotoxicity: Tests with bifenthrin have shown an absence of genotoxicity.

STOT-repeated exposure

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

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 ponds. 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.

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SECTION 13: Disposal considerations

Disposal of the product

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

DOT (US)

Not regulated

IMDG

When this product is shipped by water (non-bulk or bulk), it is regulated as follows:

PROPER SHIPPING NAME: Environmentally hazardous substance, solid, n.o.s. (Bifenthrin)

Class: 9

UN No.: UN 3077

Packing Group: III

Marine Pollutant: Bifenthrin

IATA

Not regulated

SECTION 15: Regulatory information

Chemical Safety Assessment

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370):

Immediate, Delayed

Section 313 Toxic Chemical(s):

Bifenthrin (CAS No. 82657-04-3)- 0.1% by weight in product

Reportable Quantity (RQ) under U.S. CERCLA:

None

RCRA Waste Code:

None

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 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

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another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.