



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield Ant Killer Granules

SECTION 1: Identification

GHS Product identifier

Product name	Hi-Yield Ant Killer Granules
Product number	33230
Brand	Hi-Yield

Other means of identification

EPA Reg. No. 53883-194-7401

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
-----------	--------------

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

Avoid breathing dust. Use only outdoors or in a well ventilated area. If inhaled, remove person to fresh air and keep comfortable for breathing. Wash hands thoroughly after handling. If in eyes: Rinse cautiously with water for several minutes, Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice. Contact Safety Call® International for emergency medical treatment at (866) 897-8050.

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

GHS label elements, including precautionary statements

Pictograms

Safety Data Sheet

Hi-Yield Ant Killer Granules



Hazard statement(s)

H332 Harmful if inhaled
H320 Causes eye 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.
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)	0.115 %

CLASSIFICATIONS: No data available. HAZARDS: No data available.

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 15-20 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 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 a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Safety Data Sheet

Hi-Yield Ant Killer Granules

Most important symptoms/effects, acute and delayed

Acute symptoms may include mild, mechanical irritation to eyes.

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

This product is a pyrethroid. If large amounts have been ingested, milk, cream or other digestible fats and oils may increase absorption and so to be avoided.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Water fog, CO₂, foam, dry chemical.

Specific hazards arising from the chemical

Pesticide fires have potential to emit 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.

Special protective actions for fire-fighters

Isolate fire area and evacuate downwind. DO NOT breathe gases, smoke or vapors generated. Wear self-contained breathing apparatus and full-protective clothing.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

See Section 8 for personal protection equipment.

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 and post spill area. Wear protective clothing and personal protective. Keep unprotected persons and animals out of the area. Keep material out of lakes, streams, ponds and sewer drains. Large spills should be covered to prevent dispersal. For dry material, use a wet sweeping compound or water to prevent the formation of dust. If water is used, prevent runoff or dispersion of excess liquid by diking and absorbing with a non-combustible absorbent such as clay, sand or soil. Vacuum, shovel or pump all waste material, including absorbent, into a drum and label contents for disposal. To clean and neutralize spill area, tools and equipment, wash with a suitable solution of caustic or soda ash, and an appropriate alcohol (i.e., methanol, ethanol or isopropanol). Follow this by washing with a strong soap and water solution. Absorb, as above, any excess liquid and add to the drums of waste already collected. Repeat if necessary. Dispose of drummed waste according to the method outlined in Section 13, "Disposal Considerations".

Reference to other sections

See Section 8 for personal protection equipment.

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.

Safety Data Sheet

Hi-Yield Ant Killer Granules

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

Protective eyewear or chemical safety glasses with side shields or chemical goggles when working in non-ventilated spaces.

Skin protection

Long-sleeve shirt, long pants, shoes plus socks.

Body protection

Clean water should be available to rinse eyes and skin in case of chemical exposure. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Shower at the end of the workday. GLOVES: Wear chemical protective gloves made of materials such as rubber or neoprene. Thoroughly wash the outside of gloves with soap and water prior to removal. Inspect regularly for leaks.

Respiratory protection

All pesticide handlers must wear a respiratory protection device when working in a non-ventilated space. Use one of the following: NIOSH-approved respirator with an R, P, or HE filter or a NIOSH-approved respirator with an organic vapor (OV) cartridge or canister with any R, P, or HE prefilter.

SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Grayish-tan solid granule
Odor	Slightly musty
Odor threshold	None known
pH	No information available.
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	45-80 lb/cu. ft
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

Safety Data Sheet

Hi-Yield Ant Killer Granules

Physical state
Color

Solid
Grayish-tan

SECTION 10: Stability and reactivity

Reactivity

No hazardous reactivity known.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

HAZARDOUS POLYMERIZATION: Will not occur.

Conditions to avoid

Excessive heat and fire.

Incompatible materials

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

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

Skin corrosion/irritation

Slightly irritating.

Serious eye damage/irritation

Moderately irritating.

Respiratory or skin sensitization

Not a skin sensitizer in guinea pigs following repeated skin exposure.

Germ cell mutagenicity

Bifenthrin: None observed.

Carcinogenicity

Bifenthrin: None observed.

Reproductive toxicity

No data available.

Specific target organ toxicity (STOT) - single exposure

No data available

Safety Data Sheet

Hi-Yield Ant Killer Granules

Specific target organ toxicity (STOT) - repeated exposure

No data available

Aspiration hazard

Not an aspiration hazard.

SECTION 12: Ecological information

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

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

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 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. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Pesticide wastes are toxic. Do not contaminate water, food, or feed by storage or disposal.

Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. Dispose of excess or waste pesticide by use according to label directions, or contact your State Pesticide or Environmental Control Agency,

or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

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 Regulated.

IMDG

UN 3077, Environmentally hazardous substances, solid, N.O.S. (Bifenthrin), 9, PGIII, marine pollutant

IATA

UN 3077, Environmentally hazardous substances, solid, N.O.S. (Bifenthrin), 9, PGIII, marine pollutant

Safety Data Sheet

Hi-Yield Ant Killer Granules

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

SARA 311/312 Hazards

Product name: Hi-Yield Ant Killer Granules

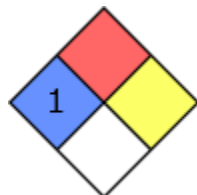
SARA 313 Components

Product name: Hi-Yield Ant Killer Granules

HMIS Rating

Hi-Yield Ant Killer Granules	
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.