



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield Kill-A-Bug II Lawn Granules

SECTION 1: Identification

GHS Product identifier

Product name	Hi-Yield Kill-A-Bug II Lawn Granules
Product number	32315; 32316
Brand	Hi-Yield

Other means of identification

EPA Reg. No. 7401-453

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

Classification of the substance or mixture

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

GHS label elements, including precautionary statements

Hazard statement(s)

H313	May be harmful in contact with skin
H333	May be harmful if inhaled
H303	May be harmful if swallowed
H320	Causes eye irritation

Precautionary statement(s)

P102	Keep out of reach of children.
P103	Read label before use.

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SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

Component	Concentration
Permethrin (CAS no.: 52645-53-1; EC no.: 258-067-9; Index no.: 613-058-00-2)	10 %
CLASSIFICATIONS: Acute toxicity, inhalation, Cat. 4; Acute toxicity, oral, Cat. 4; Sensitization, skin, Cat. 1; Hazardous to the aquatic environment, short-term (acute), Cat. 1; Hazardous to the aquatic environment, long-term (chronic), Cat. 1. HAZARDS: H302 - Harmful if swallowed; H317 - May cause an allergic skin reaction; H332 - Harmful if inhaled; H400 - Very toxic to aquatic life; H410 - Very toxic to aquatic life with long lasting effects. [SCLs/M-factors/ATEs]: M=1000	

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.

Most important symptoms/effects, acute and delayed

No information available.

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

Note to Physician And Veterinarian: Do not administer or instill milk, cream or other substances containing vegetable or animal fats which enhance absorption of lipophilic substances. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Use foam, dry chemical, carbon dioxide or water spray when fighting fires involving this material.

Specific hazards arising from the chemical

Oxides of hydrogen and carbon. May release irritating and toxic gases due to thermal decomposition or combustion.

Special protective actions for fire-fighters

Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Dike and collect water used to fight fire to prevent environmental damage due to run off. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water run off. Full fire fighting turn-out gear (Bunker gear).

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Clean up spills immediately, observing precautions in Section 8 of this document.

Environmental precautions

Highly toxic to fish, other water organisms and bees. Keep out of waterways.

Methods and materials for containment and cleaning up

SMALL SPILL: Absorb small spills on paper towels or other inert absorbent. Place contaminated material in trash for disposal.

LARGE SPILL: Dike large spills using absorbent or impervious material such as clay or sand. Recover and contain as much free liquid as possible for reuse. Allow absorbed material to solidify, and scrape up for disposal. After removal, flush contaminated area thoroughly with water. This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

SECTION 7: Handling and storage

Precautions for safe handling

KEEP OUT OF REACH OF CHILDREN!

Use only in a well-ventilated area.

USER SAFETY RECOMMENDATIONS:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Conditions for safe storage, including any incompatibilities

Keep container closed when not in use. Keep away from food, feed and drinking water. Store in a cool dry area away from heat or open flame. Store above 32 degrees Fahrenheit.

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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

Water proof 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

SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Pale amber liquid
Odor	Slight aromatic odor
Odor threshold	None known
pH	6-6.5
Melting point/freezing point	5.9°C
Initial boiling point and boiling range	35°C
Flash point	44°C
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	0.83 (6.9 lb./gl)
Solubility(ies)	Miscible
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	Liquid
Color	Pale amber

SECTION 10: Stability and reactivity

Reactivity

Product will not undergo polymerization

Chemical stability

Stable, however may decompose if heated.

Possibility of hazardous reactions

May release irritating and toxic gases due to thermal decomposition or combustion.

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Conditions to avoid

Avoid temperatures above 150°F.

Incompatible materials

Alkaline and acidic conditions and materials, Oxidizing materials.

Hazardous decomposition products

Oxides of hydrogen and carbon.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Permethrin-has low mammalian toxicity and virtually no allergic side effects and is not a skin or eye irritant.

Skin corrosion/irritation

Prolonged or repeated skin contact may cause irritation. May cause skin sensitization, an allergic reaction, which becomes evident on re-exposure to this material.

Serious eye damage/irritation

Mildly irritating to the eyes. Degree of injury will depend on the amount of material that gets into the eye and the speed and thoroughness of the first aid treatment.

Germ cell mutagenicity

None known

Carcinogenicity

None known

Reproductive toxicity

None known

Specific target organ toxicity (STOT) - single exposure

None known

Specific target organ toxicity (STOT) - repeated exposure

None known

Aspiration hazard

May be harmful if swallowed.

SECTION 12: Ecological information

Toxicity

Highly toxic to fish, other water organisms and bees. Keep out of waterways.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

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

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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

Not regulated

IATA

Not regulated

SECTION 15: Regulatory information

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

Massachusetts Toxic Use Reduction Act (TURA) list

Chemical name: 3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropane carboxylic acid, (3-phenoxy-phenyl)methyl ester
CAS number: 52645-53-1

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: Permethrin
CAS number: 52645-53-1

Massachusetts Right To Know Components (105 CMR 670)

Chemical name: Permethrin
CAS number: 52645-53-1
Asterisk: no; Refs: 8

Water hazard class (WGK, Germany)

Chemical name: Permethrin, cas number: 52645-53-1
WGK hazard class: WGK 3 - Extremely hazardous to water

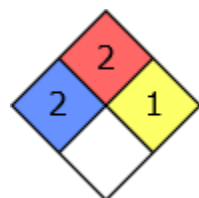
Minnesota Chemicals of High Concern (Minn. Stat. 116.9401)

Chemical name: Permethrin
CAS number: 52645-53-1
Hlth: liver

HMIS Rating

Hi-Yield Kill-A-Bug II Lawn Granules	
HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	1
PERSONAL PROTECTION	

NFPA Rating



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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.