



**VOLUNTARY PURCHASING GROUPS, INC.**

## **Safety Data Sheet Hi-Yield Garden & Farm Insect Control**

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### **SECTION 1: Identification**

#### **GHS Product identifier**

Product name Hi-Yield Garden & Farm Insect Control

Product number 33005; 33006

#### **Other means of identification**

EPA# 7401-456

#### **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

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### **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**

##### **Signal word**

##### **Warning**

##### **Hazard statement(s)**

H313  
H333  
H303  
H320

May be harmful in contact with skin  
May be harmful if inhaled  
May be harmful if swallowed  
Causes eye irritation

##### **Precautionary statement(s)**

P102  
P103

Keep out of reach of children.  
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

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall® (866) 897-8050 for emergency medical treatment information.

### 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.

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## 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).

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## 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.

### Reference to other sections

Section 8

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## 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.

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### 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

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## 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	No information available.
Initial boiling point and boiling range	No information available.
Flash point	110°F
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

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## SECTION 10: Stability and reactivity

### Reactivity

Product will not undergo polymerization.

### Chemical stability

Stable, however may decompose if heated.

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### Possibility of hazardous reactions

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

### 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.

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Acute Oral LD50 (Rat): 500 – 2,000 mg/kg

Acute Dermal LD50 (Rabbit): >5,000 mg/kg

Acute Inhalation LC50 (Rat): >2.08 mg/L

Eye Irritation: Mildly irritating

Skin Irritation: Moderately irritating

Dermal Sensitization: Contact sensitizer

#### 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.

#### Respiratory or skin sensitization

May be irritating to respiratory tract.

#### 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.

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## SECTION 12: Ecological information

### Toxicity

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

ENVIRONMENTAL FATE: The average half-life of permethrin in aerobic soils is 39.5 days, with a range from 11.6 to 113 days. Permethrin binds tightly to soil and is broken down primarily by microorganisms, but also by photolysis.

ECOTOXICOLOGICAL INFORMATION: (EPA Ecotox Database)

Rain trout LC50 (24h): 0.62 µg/L

Bluegill LC50 (48h): 0.79 µg/L

Bobwhite quail LD50 (8-day): 5,200 ppm

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## 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 compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

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## SECTION 14: Transport information

### DOT (US)

Not regulated

### IMDG

Not regulated

### IATA

Not regulated

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## 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

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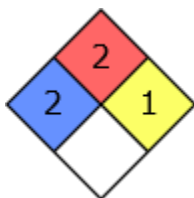
## Hi-Yield Garden & Farm Insect Control

Hlth: liver

### HMIS Rating

Hi-Yield Garden & Farm Insect Control	
HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	1
PERSONAL PROTECTION	H

### NFPA Rating



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## SECTION 16: Other information

### Further information/disclaimer

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