VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet
Hi-Yield® Garden & Farm Insect Control

SECTION 1: Identification

Product identifier

Product name	Hi-Yield® Garden & Farm Insect Control
Product number	33005 33006

Other means of identification
EPA# 7401-456

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 or 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 label elements, including precautionary statements

Signal word	**Warning**

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.

SECTION 3: Composition/information on ingredients

Substances

Hazardous components

Component	Concentration
Permethrin (CAS no.: 52645-53-1; EC no.: 258-067-9; Index no.: 613-058-00-2)	10 %
Petroleum distillate (CAS no.: 8052-41-3)	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 full-length pants may be worn when necessary to prevent skin contact. Eye wash and shower facilities should be 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.

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

Information on basic physical and chemical properties

Appearance/form	Pale amber liquid
Odor	Slight aromatic odor
Odor threshold	
pH	6.0 - 6.5
Melting point/freezing point	
Initial boiling point and boiling range	
Flash point	110 F
Evaporation rate	
Flammability (solid, gas)	
Upper/lower flammability limits	
Vapor pressure	
Vapor density	
Relative density	0.83 (6.9 lb./gl)
Solubility(ies)	Miscible
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

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.

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

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

Aspiration hazard
May be harmful if swallowed.

Additional information

SECTION 12: Ecological information

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

SECTION 13: Disposal considerations

Disposal of the product
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.

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

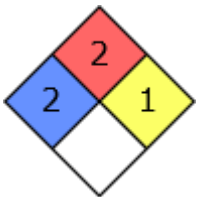
Massachusetts Right To Know Components
Chemical name: 3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropane carboxylic acid, (3-phenoxy-phenyl)methyl ester
CAS number: 52645-53-1

New Jersey Right To Know Components
Common name: PERMETHRIN
CAS number: 52645-53-1

HMIS Rating

Hi-Yield® Lawn, Garden, Pet & Livestock Insect Control	
HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	1
PERSONAL PROTECTION	H

NFPA Rating



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