



## VOLUNTARY PURCHASING GROUPS, INC.

### Safety Data Sheet

### Hi-Yield® Kill-A-Bug Indoor-Outdoor Spray Ready To Use

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#### SECTION 1: Identification

##### Product identifier

Product name Hi-Yield® Kill-A-Bug Indoor-Outdoor Spray Ready To Use

Product number 32310

##### Other means of identification

EPA# 7401-458

##### 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

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#### SECTION 2: Hazard identification

##### Classification of the substance or mixture

##### GHS label elements, including precautionary statements

##### Hazard statement(s)

H400 Very toxic to aquatic life  
H313 May be harmful in contact with skin  
H320 Causes eye irritation

##### Precautionary statement(s)

P102 Keep out of reach of children.

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### SECTION 3: Composition/information on ingredients

#### Substances

#### Hazardous components

Component	Concentration
Deltamethrin (CAS no.: 52918-63-5; EC no.: 258-256-6; Index no.: 607-319-00-X)	0.02 %

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### 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.

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### SECTION 5: Fire-fighting measures

#### Suitable extinguishing media

Carbon dioxide, dry chemical, foam or water.

#### Specific hazards arising from the chemical

Do not use this product on electrical equipment due to the possibility of shock hazard.

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#### Special protective actions for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent) and full protective gear. Keep upwind. Isolate hazard area. Avoid inhalation of smoke and fumes. Use water or foam to reduce fumes. Do not touch spilled material. If possible, move containers from area. Extinguish only if flow can be stopped. Use flooding amounts of water as a fog. Cool containers with flooding amounts of water from as far a distance as possible. Avoid breathing vapors.

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## SECTION 6: Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

Use proper protective equipment or minimize personal exposure. Take all necessary action to prevent and to remedy the adverse effect of the spill. Ensure that the disposal is in compliance with all Federal, State, Provincial, and local regulations.

#### Methods and materials for containment and cleaning up

**SMALL SPILL:** Absorb with an inert absorbent material such as granular clay, saw dust, or pet litter. Sweep up carefully while avoiding the formation of a dust cloud. Place in an approved chemical waste container for disposal. Rinse spill area with small amount of soapy water. Contain and absorb the rinsate with inert absorbents and place into the same disposal container. Area can be washed with water to remove the last trace residue. Do not allow water to contaminate water supplies or sewers.

**LARGE SPILL:** Eliminate all ignition sources. Stop leak if you can do so without coming into contact with spilled material. Dike far ahead of liquid spill for later disposal. All equipment used to clean up spill should be grounded. Prevent entry into waterways, sewers, basements or confined areas. Inform appropriate authorities immediately if contamination occurs.

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## SECTION 7: Handling and storage

#### Precautions for safe handling

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.

#### Conditions for safe storage, including any incompatibilities

Avoid skin contact. Wash thoroughly with soap and water after handling.

Store product in original container in a cool, dry, locked place out of the reach of children. Protect from freezing.

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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

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### 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

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## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form	Clear viscous gel
Odor	Odorless
Odor threshold	
pH	
Melting point/freezing point	32°F or 0°C
Initial boiling point and boiling range	212°F or 100°C
Flash point	200° F > 93° C
Evaporation rate	
Flammability (solid, gas)	
Upper/lower flammability limits	
Vapor pressure	
Vapor density	
Relative density	
Solubility(ies)	
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

### Other safety information

SPECIFIC GRAVITY OR DENSITY: > 1.00

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## SECTION 10: Stability and reactivity

### Chemical stability

Stable

### Possibility of hazardous reactions

Polymerization will not occur.

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

None Known

#### Skin corrosion/irritation

May cause skin irritation

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### **Serious eye damage/irritation**

May cause eye irritation.

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## **SECTION 12: Ecological information**

### **Toxicity**

Deltamethrin is highly toxic to fish and other aquatic species, however, the toxicity to avian species is relatively low. This product is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Use with care when applying in areas adjacent to any body of water. Do not contaminate water when disposing of equipment washwater.

### **Persistence and degradability**

The major routes of dissipation are soil binding and soil microbial degradation. Although soil binding is strong, it is not immediate. It appears that spray drift is the only significant route of exposure to aquatic organisms. However, Deltamethrin's strong binding capacity to slime, plants, sediment, etc. might rapidly prevent the availability of Deltamethrin for bioconcentration in aquatic systems. Additionally, its insolubility in water will be a factor in limiting its bioconcentration as well. Deltamethrin hydrolyzes under alkaline conditions.

### **Bioaccumulative potential**

### **Mobility in soil**

Leaching studies indicate that Deltamethrin is immobile.

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## **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.

### **Disposal of contaminated packaging**

Do not reuse empty container. Wrap container in several layers of newspaper and discard in trash.

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## **SECTION 14: Transport information**

### **DOT (US)**

Not regulated

### **IMDG**

### **IATA**

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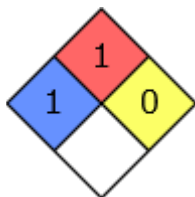
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### SECTION 15: Regulatory information

#### HMIS Rating

Hi-Yield® Kill-A-Bug Indoor-Outdoor Spray Ready To Use	
HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

#### NFPA Rating



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### 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.