



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield Kill-A-Bug II Indoor/Outdoor Spray RTU

SECTION 1: Identification

GHS Product identifier

Product name Hi-Yield Kill-A-Bug II Indoor/Outdoor Spray RTU
Product number 32310; 34308
Brand Hi-Yield

Other means of identification

EPA# 7401-458

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
H320 Causes eye irritation
H400 Very toxic to aquatic life

Precautionary statement(s)

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

SECTION 3: Composition/information on ingredients

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Mixtures

Hazardous components

Component	Concentration
Deltamethrin (CAS no.: 52918-63-5; EC no.: 258-256-6; Index no.: 607-319-00-X)	0.02 %
CLASSIFICATIONS: Acute toxicity, inhalation, Cat. 3; Acute toxicity, oral, Cat. 3; Hazardous to the aquatic environment, short-term (acute), Cat. 1; Hazardous to the aquatic environment, long-term (chronic), Cat. 1. HAZARDS: H301 - Toxic if swallowed; H331 - Toxic if inhaled; H400 - Very toxic to aquatic life; H410 - Very toxic to aquatic life with long lasting effects. [SCLs/M-factors/ATEs]: M=1000000	

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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Most important symptoms/effects, acute and delayed

Not expected to present a significant hazard under anticipated conditions of normal use.

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

No information available.

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.

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.

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.

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.

SECTION 8: Exposure controls/personal protection

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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

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.)	Clear viscous gel
Odor	Odorless
Odor threshold	None known
pH	6.5-7
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	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	No information available
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	
Physical state	Liquid
Color	Clear

SECTION 10: Stability and reactivity

Reactivity

No information available

Chemical stability

Stable

Possibility of hazardous reactions

Polymerization will not occur

Conditions to avoid

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Extremely high or low temperatures

Incompatible materials

Strong acids and bases

Hazardous decomposition products

No information available

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

LD50 oral rat 128 mg/kg

Skin corrosion/irritation

May cause skin irritation

Serious eye damage/irritation

May cause eye irritation.

Respiratory or skin sensitization

No information available

Germ cell mutagenicity

No information available

Carcinogenicity

No information available

Reproductive toxicity

No information available

Specific target organ toxicity (STOT) - single exposure

No information available

Specific target organ toxicity (STOT) - repeated exposure

No information available

Aspiration hazard

No information available

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.

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Mobility in soil

Leaching studies indicate that Deltamethrin is immobile.

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.

Packaging disposal

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

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

Water hazard class (WGK, Germany)

Chemical name: Deltamethrin, cas number: 52918-63-5

WGK hazard class: WGK 3 - Extremely hazardous to water

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

Chemical name: Deltamethrin

CAS number: 52918-63-5

PBT/vPvB

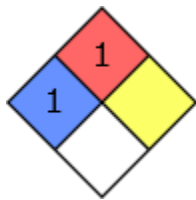
HMIS Rating

Hi-Yield Kill-A-Bug II Indoor/Outdoor Spray RTU	
HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	
PERSONAL PROTECTION	

NFPA Rating

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SECTION 16: Other information

Further information/disclaimer

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