

MATERIAL SAFETY DATA SHEET

Hi-Yield® Kill-A-Bug II Indoor/Outdoor Spray RTU

DATED: January 6, 2004

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Name: Voluntary Purchasing Groups, Inc., P. O. Box 460, Bonham, Texas 75418
Emergency Telephone: (903) 583-5501 or (800) 424-9300 (Chemtrec)
For Additional Information Contact: Product Manager or Chemtrec
Common Name (Used on Label): Hi-Yield Kill-A-Bug II Indoor/Outdoor Spray RTU
EPA# 7401-458

Chemical Family: Deltamethrin

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

INGREDIENTS:	CAS. Reg. #	Approx. %
Deltamethrin	52918-63-5	0.02%

SECTION 3 - HAZARDOUS IDENTIFICATIONS SUMMARY

EMERGENCY OVERVIEW: A clear, viscous, odorless gel. This product is extremely toxic to fish.

POTENTIAL HEALTH EFFECTS:

Eye: May cause eye irritation.

Skin: May cause skin irritation.

SECTION 4 - FIRST AID MEASURES

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

IF IN EYES: Immediately flush eyes with plenty of 1% physiological saline for 5 minutes while holding eyelids open. If no saline is easily available, flush eyes with plenty of water.

NOTE: Gel may be difficult to remove using only water.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

SECTION 5 - SPECIAL FIRE FIGHTING MEASURES

FLASH POINT: 200° F > 93° C

FIRE & EXPLOSION HAZARD: Do not use this product on electrical equipment due to the possibility of shock hazard.

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam or water.

FIRE FIGHTING INSTRUCTIONS: 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.

FLAMMABILITY CLASSIFICATION/RATING: NFPA/OSHA Class: IIIB NFPA Rating (Fire): 1

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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, Provincial, and local regulations.

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.

Hi-Yield Kill-A-Bug II RTU Material Safety Data Sheet
Page 2 of 2

SECTION 7 - HANDLING AND STORAGE

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

ENGINEERING CONTROLS: Control airborne concentrations below the appropriate exposure guideline. Local exhaust ventilation may be necessary.

PERSONAL PROTECTIVE EQUIPMENT:

Eye Protection: Wear safety glasses, splash goggles or face shield.
Skin Protection: Wear chemical-resistant gloves (Neoprene, Nitrile, PVC) and other protective clothing to avoid skin contact.
Respiratory Protection: Ensure good ventilation. If not adequate, use a chemical cartridge-type respirator approved by the National Institute of Occupational Health and Safety.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION:	A clear, viscous gel.	ODOR:	Odorless.
pH:	N/A	VAPOR PRESSURE:	N/A
VAPOR DENSITY (AIR=1)	N/A		
EVAPORATION RATE (BUTYL ACETATE = 1):	N/A	PACKING (BULK) DENSITY:	N/A
SPECIFIC GRAVITY OR DENSITY:	> 1.00	BOILING POINT/RANGE:	212°F or 100°C
MELTING/FREEZING POINT RANGE:	32°F or 0°C	SOLUBILITY (IN WATER):	N/A
SOLUBILITY IN SOLVENTS/OIL (SPECIFIED):	N/A	MIN. IGNITION ENERGY (MJ):	N/A
DUST EXPLOSION SEVERITY DATA:	N/A		
MIN. EXPLOSION CONCENTRATION (MEC):	N/A		
LIMITED OXYGEN CONCENTRATION (LOC):	N/A		

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 - ECOLOGICAL INFORMATION

Deltamethrin is highly toxic to fish and other aquatic species, however, the toxicity to avian species is relatively low.

ENVIRONMENTAL PRECAUTIONS: 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.

ENVIRONMENTAL FATE: 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. Leaching studies indicate that Deltamethrin is immobile.

SECTION 12 - DISPOSAL CONSIDERATIONS

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

ADDITIONAL INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall Voluntary Purchasing Groups, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Voluntary Purchasing Groups, Inc. has been advised of the possibility of such damages.