

MATERIAL SAFETY DATA SHEET

Hi-Yield® Indoor/Outdoor Broad Use Insecticide Including Turf, Gardens & Ornamentals

DATED: August 16, 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 Indoor/Outdoor Broad Use Insecticide Including Turf, Gardens & Ornamentals
EPA# 7401-455

Chemical Family: Pyrethroid Insecticide

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

INGREDIENTS:	CAS. Reg. #	Approx. %	OSHA PEL	ACIGH TLV
Permethrin	52645-53-1	10.00%	Not Listed	Not Listed
Petroleum distillate contains:	8052-41-3	<75%		
Trimethyl benzene			125 mg/M3	125 mg/M3
Stoddard solvent			525 mg/M3	525 mg/M3

SECTION 3 - HAZARDOUS IDENTIFICATIONS SUMMARY

EMERGENCY OVERVIEW: Pale amber liquid with slight aromatic odor.
· May be harmful if swallowed, inhaled or absorbed through skin.
· Avoid contact with eyes, skin or clothing.
· Keep out of reach of children.

POTENTIAL HEALTH EFFECTS:

Eye: 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.

Skin: Prolonged or repeated skin contact may cause irritation. May cause skin sensitization, an allergic reaction, which becomes evident on re-exposure to this material.

Ingestion: May be harmful if swallowed.

Inhalation: May be irritating to respiratory tract.

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

SECTION 4 - FIRST AID MEASURES

IF SWALLOWED: If swallowed, immediately contact a Poison Control Center or physician for advice. DO NOT make person vomit unless directed to do so by medical personnel. If medical advice cannot be obtained, then immediately take person and product container with label to an emergency treatment center.

IF IN EYES: Flush immediately with fresh water for 15 minutes while holding eyelids open. Remove contact lenses if worn. If irritation persists, see a doctor.

IF INHALED: If respiratory discomfort or irritation occurs, move person to fresh air. See a doctor if discomfort or irritation continues.

IF ON SKIN: Remove contaminated clothing. Wash skin thoroughly with soap and water. See a doctor if signs or symptoms occur. Wash contaminated clothing before reuse.

SECTION 5 - SPECIAL FIRE FIGHTING MEASURES

FLASH POINT: 110 F

FLAMMABLE LIMITS: LFL: unknown UFL: unknown

FIRE & EXPLOSION HAZARD: May release irritating and toxic gases due to thermal decomposition or combustion.

EXTINGUISHING MEDIA: Use foam, dry chemical, carbon dioxide or water spray when fighting fires involving this material.

FIRE FIGHTING INSTRUCTIONS: 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.

FIRE FIGHTING EQUIPMENT: Full fire fighting turn-out gear (Bunker gear).

HAZARDOUS COMBUSTION PRODUCTS: Oxides of hydrogen and carbon.

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SECTION 6 - ACCIDENTAL RELEASE MEASURES

Clean up spills immediately, observing precautions in Section 8 of this document.

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

KEEP OUT OF REACH OF CHILDREN!

HANDLING: Use only in a well-ventilated area.

STORAGE: 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

EXPOSURE LIMITS (8 HOUR TWA): (Refer to Section 3)

ENGINEERING CONTROLS: Proper ventilation is required when handling or using the product. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

PERSONAL PROTECTIVE EQUIPMENT:

Eye Protection: Safety glasses.
Clothing: Long-sleeved shirt and long pants, shoes plus socks.
Gloves: Waterproof gloves.

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.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION:	Pale amber liquid.	ODOR:	Slight aromatic.
DENSITY:	0.83 (6.9 lb./gl)	pH:	6.0 - 6.5
WATER SOLUBILITY:	Miscible.	% VOLATILE:	Unknown.

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable, however may decompose if heated.
CONDITIONS TO AVOID:	Avoid temperatures above 150°F.
INCOMPATIBILITY WITH OTHER MATERIALS:	Alkaline and acidic conditions and materials, Oxidizing materials.
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of hydrogen and carbon.
HAZARDOUS POLYMERIZATION:	Product will not undergo polymerization.

SECTION 11 - ECOLOGICAL INFORMATION

ENVIRONMENTAL SUMMARY: This product is extremely toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of wastes.

BEE TOXICITY: Highly toxic.

SECTION 12 - DISPOSAL CONSIDERATIONS

Do not contaminate water, food or feed by storage or disposal.

WASTE: Pesticide wastes are toxic. Dispose of in accordance with applicable Federal, State and Local laws and regulations.

CONTAINER: Do not reuse 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.