

MATERIAL SAFETY DATA SHEET

# Hi-Yield® Turf Ranger Insect Control Granules

## Containing Deltamethrin

DATED: July 8, 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® Turf Ranger Insect Control Granules  
Containing Deltamethrin  
EPA# 7401454

### SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

<u>COMMON NAME</u>	<u>CAS REG NO#</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Deltamethrin	52918-63-5	=0.1	15mg/m3	10 mg/m3

### SECTION 3 - PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE..... Tan solid granule.  
ODOR..... Strong shoe-polish, salty-like and mothball odor.  
PHYSICAL STATE..... Solid.  
BOILING POINT..... N/A  
MELTING POINT..... N/A  
VAPOR PRESSURE..... N/A  
SPECIFIC GRAVITY..... N/A  
SOLUBILITY (H<sub>2</sub>O)..... Soluble.  
PERCENT VOLATILITY..... N/A  
EVAPORATION RATE..... N/A  
pH..... N/A  
VISCOSITY..... N/A  
DENSITY..... 52.3 lb./ft<sup>3</sup> or 0.84 g/cm<sup>3</sup> (fluffed)  
61.2 lb./ft<sup>3</sup> or 0.98 g/cm<sup>3</sup> (compacted)

### SECTION 4 - FIRE AND EXPLOSION DATA

FIRE FIGHTING INSTRUCTIONS: Wear pressure-demand, self-contained breathing apparatus, MSHA/NIOSH approved or equivalent, and full protective gear.  
EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam or Water.

### SECTION 5 - SPILL OR LEAK PROCEDURES

PRECAUTIONS: Avoid contact with spilled material.  
DISPOSAL: Pesticide that cannot be used according to label directions must be disposed of according to Federal State or Local procedures. May be buried in an approved land fill.

### SECTION 6 - HANDLING AND STORAGE

STORAGE: Keep sealed. Store in a cool, dry place. Keep out of reach of children.  
HANDLING PROCEDURES: Avoid contact with eyes, skin or clothing. Wash skin and clothing after handling.  
CONTAINER DISPOSAL: Wrap and place in trash collection.

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**SECTION 7 – HEALTH HAZARD DATA**

**POTENTIAL HEALTH EFFECTS:**

**PRIMARY ROUTE(S) OF ENTRY:** Ingestion, eye and skin contact.  
**EYES:** Causes moderate eye irritation.  
**INGESTION:** 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.

**SECTION 8 – ADDITIONAL INFORMATION AND HAZARDS**

**EMERGENCY OVERVIEW:** Harmful if swallowed. Causes moderate eye irritation. This product is extremely toxic to fish. **KEEP OUT OF REACH OF CHILDREN.**

**SECTION 9 - OTHER 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.