SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Name: Voluntary Purchasing Groups, Inc.  Box 460, Bonham, TX  75418
Emergency Telephone: (903) 583-5501 or (800) 424-9300 (Chemtrec)
For Additional Information Contact: Product Manager or Chemtrec
Date Prepared: 03-14-03

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENT</th>
<th>CAS NUMBER</th>
<th>% (TYPICAL)</th>
<th>TLV (UNITS)</th>
<th>PEL (UNITS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene [1]</td>
<td>1330-20-7</td>
<td>0.05</td>
<td>100 PPM</td>
<td>100 PPM</td>
</tr>
<tr>
<td>Petroleum distillates</td>
<td>Not determined</td>
<td>Proprietary</td>
<td>300 PPM</td>
<td>400 PPM</td>
</tr>
<tr>
<td>Endosulfan</td>
<td>115-29-7</td>
<td>Proprietary</td>
<td>0.1mg/m3</td>
<td>0.1 mg/m3</td>
</tr>
</tbody>
</table>

[1] NOTE: This product contains a toxic chemical or chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration.
TLV: Threshold Limit Value recommended by the American Conference of Governmental Industrial Hygienists.

SECTION 3 – PHYSICAL DATA

<table>
<thead>
<tr>
<th>BOILING POINT (°F)</th>
<th>SPECIFIC GRAVITY (H₂O=1)</th>
<th>VAPOR PRESSURE (mm Hg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not determined</td>
<td>0.89</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PERCENT VOLATILE BY VOLUME (%)</th>
<th>VAPOR DENSITY (AIR=1)</th>
<th>EVAPORATION RATE (ethyl ether=1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>95%</td>
<td>&gt;1</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SOLUBILITY IN WATER</th>
<th>REACTIVITY IN WATER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slight</td>
<td>Will not evolve flammable or toxic gases</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>APPEARANCE AND ODOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colorless liquid; light aromatic odor</td>
</tr>
</tbody>
</table>

SECTION 4 - FIRE AND EXPLOSION DATA

<table>
<thead>
<tr>
<th>FLASH POINT (°F)</th>
<th>FLAMMABLE LIMITS IN AIR (% by volume)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not determined</td>
<td>Lower: Not determined  Upper: Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EXTINGUISHING MEDIA</th>
<th>AUTO IGNITION TEMPERATURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foam, carbon dioxide, alcohol foam, dry chemical</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>UNUSUAL FIRE AND EXPLOSION HAZARDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Violent rupture of containers may occur. Toxic, irritating gases may be formed. Rapid decomposition above 160-200 degrees C. Keep away from possible ignition sources.</td>
</tr>
</tbody>
</table>

Product Name: Hi-Yield® Thiodan® Garden & Ornamental Spray  ID Number:  Page: 1
SPECIAL FIRE FIGHTING PROCEDURES
Foam system is preferred. Use positive pressure self-contained breathing apparatus.

SECTION 5 - HEALTH INFORMATION

PRIMARY ROUTES OF EXPOSURE AND TARGET ORGANS
Skin absorption, inhalation, skin contact, eye contact, ingestion

SIGNS AND SYMPTOMS OF EXPOSURE

(1) ACUTE OVEREXPOSURE
Inhalation may result in damage to the respiratory system. Symptoms may include respiratory tract irritation, headache, dizziness, incoordination, drowsiness, signs of acetylcholinesterase depression, and unconsciousness. Skin contact may result in irritation, drying, or flaking. Material can be absorbed through the skin in harmful amounts.

(2) CHRONIC OVEREXPOSURE
May produce organophosphate type cholinesterase inhibition. Signs may include headache, dizziness, incoordination, muscle twitching, tremors, nausea, abdominal cramps, diarrhea, sweating, pinpoint pupils, blurred vision, tearing, salivation, tightness in chest, urination, and convulsions. May result in damage to liver, kidneys, and blood cells.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE
Disorders of the nervous system, liver, kidneys, blood cells, dermatitis, or other skin disorders.

CHEMICAL/COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN
A low-level proprietary component increases tumor incidence in lab animals.

NTP □ YES ✗ NO  IARC □ YES ✗ NO  OSHA □ YES ✗ NO

OTHER EXPOSURE LIMITS
STEL (chlorpyrifos): 0.6mg/m3-ACGIH; STEL (petroleum distillates): 1800mg/m3 or 400 PPM-ACGIH; STEL (xylene): 150 PPM or 655mg/m3-ACGIH; TLV (xylene) 435mg/m3-OSHA.

EMERGENCY AND FIRST AID PROCEDURES
EYE CONTACT: Irrigate immediately with water for at least 15 minutes. SKIN CONTACT: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician if irritation persists. Wash clothing before reuse. Destroy contaminated shoes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. IF SWALLOWED: Do not induce vomiting. Call a physician and/or transport to emergency facility immediately. INHALATION: Remove to fresh air if effects occur. Consult a physician.

SECTION 6 - REACTIVITY DATA

STABILITY ✗ Unstable □ Stable  CONDITIONS TO AVOID
Avoid heating above 40 degrees C as exothermic decomposition will result and can lead to violent decomposition.

INCOMPATIBILITY (Materials to Avoid)
Strong alkalis and strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS
Thermal decomposition may form volatile, flammable, odoriferous organic sulfides, and hydrogen chloride.

HAZARDOUS POLYMERIZATION □ May Occur ✗ Will Not occur  CONDITIONS TO AVOID
Does not apply
### SECTION 7 - SPILL OR LEAK PROCEDURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED**
Contain spill by diking to keep out of sewers. Eliminate ignition sources. Absorb spills with dry material such as sand and sweep-up for disposal. For large spills, barricade area and consult manufacturer. Personal protective equipment may be necessary to prevent exposure. See Section 8.

**WASTE DISPOSAL METHOD**
Bury clean-up material in location away from domestic water supplies. Dispose of in accordance with Federal, State, and local regulations.

### SECTION 8 - PERSONAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION**
NIOSH/MSHA approved for protection against organic vapors and pesticides. Self-contained breathing apparatus may be necessary for large spills or use in confined area.

**VENTILATION**
Explosion-proof local or general exhaust to maintain exposure within TLV/PEL.

**PROTECTIVE GLOVES**
Rubber, plastic, PVC, or other impervious material.

**EYE PROTECTION**
Chemical splash goggles (ANSI Z87.1 1979)

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**
Apron, boots, long sleeve shirt and full-length pants (or overalls) should be worn to prevent skin contact. Eye wash and shower facilities should be available.

### SECTION 9 - SPECIAL PRECAUTIONS

**PRECAUTIONS TO BE TAKEN IN HANDLING & STORING**
Keep away from heat and open flame. Handle in ventilated area. Keep out of reach of children.

**OTHER PRECAUTIONS**
Wash thoroughly after handling. Launder of dispose of contaminated clothing before reuse. Dispose of contaminated leather items. Keep away from food, foodstuffs, and domestic water supplies.

### SECTION 10 - OTHER INFORMATION

The information contained within was obtained from authoritative sources and is believed to be accurate for the manner in which the product is intended to be used. Other uses could result in ramifications, which are not included within this document.