

**MATERIAL SAFETY DATA SHEET**  
(Complies with OSHA CFR 1910.1200, ANSI Z 400.1-1993)

**SECTION 1: Chemical Product & Company Identification**

**Product Name(s):** Dexol Lawn Insect Granules

**EPA Number:** 53883-39-192

**Manufacturer Name & Address:** Value Garden Supply, LLC, 9100 W Bloomington Freeway Suite 113 Bloomington, MN 55431

**Telephone Contact Number & Hours of Operation:** (952) 884-6477, 8:00 a.m. - 5:00 Central Time

**Emergency Telephone Contact Number:** 1-800-858-7378

**SECTION 2: Composition/Information on Ingredients**

<u>Hazardous Ingredients:</u>	% by weight	CAS No	OSHA PEL		ACGIH	TLV
			TWA	STEL	TWA	STEL
(Permethrin) (3-phenoxyphenyl) methyl- cis, trans-3-(2,2-dichloroethenyl)- 2,2 dimethylcyclopropanecarboxylate)	0.25%	52645-53-1	Not Listed		Not Listed	

**SECTION 3: Hazards Identification**

**EMERGENCY OVERVIEW**

**Physical description:** tan granules

- Avoid breathing dust
- Avoid contact with skin, eyes or clothing
- Keep out of reach of children

Symptoms of exposure may include diarrhea, salivation, tremors, hyperactivity and hypersensitivity.

**Potential Health Hazards:**

Eye – Mildly irritating to the eyes.

Skin – May cause skin irritation.

Inhalation – Slightly irritating to respiratory tract.

Ingestion – May be harmful if swallowed.

**Environmental Hazards:**

Extremely toxic to fish, other water organisms and bees. Keep out of waterways.

**SECTION 4: First Aid Measures**

**Skin Contact:** Remove contaminated clothing. Wash areas of skin with plenty of soap and water. Get medical attention if irritation persists.

**Ingestion:** If swallowed, promptly drink large amounts of water. DO NOT give anything by mouth to an unconscious or convulsing person. Get medical attention if discomfort persists.

**Eye Contact:** Immediately flush eyes with water for at least 15 minutes. Seek medical attention if irritation develops.

**Inhalation:** Remove victim to fresh air. Get medical attention if irritation develops.

**SECTION 5: Fire Fighting Measures**

**Flash point:** N/A

**Explosive limits (%):** N/A

**Extinguishing media:** Use foam, dry chemical, carbon dioxide or water spray when fighting fires involving this chemical.

**Unusual fire/explosion hazards:** Can burn in fire. Irritating and toxic gasses may be generated by thermal decomposition or combustion.

**Protective Equipment:** Self-contained breathing apparatus with full facepiece. Full firefighting turnout gear (Bunker gear).

**Hazardous Combustion Products:** Carbon monoxide and/or carbon dioxide. Chlorine and hydrogen chloride may be found.

**Firefighting 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 runoff. Foam or dry chemical fire extinguishing media are preferred to prevent environmental damage from excessive water runoff.

### **SECTION 6: Accidental Release Measures**

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

**Small Spill:** Vacuum or sweep up material and place in container for reuse or disposal.

**Large Spill:** Same as for small spill. After removal, flush and neutralize contaminated area with water and a dilute solution of soda ash or bleach. Pick up wash liquid with absorbent and place in chemical waste container for disposal. This material is a water pollutant and should be prevented from entering sewage and drainage systems and bodies of water.

### **SECTION 7: Handling & Storage**

**Storage:** Store product in its original, labeled container in a cool, dry locked storage area out of reach of children.

**Handling:** Use only in a well ventilated area.

### **SECTION 8: Exposure Controls & Personal Protective Equipment**

**Exposure Limits (8 Hour TWA):** (refer to Section 3).

**Engineering Controls:** Ventilation is normally required when handling or using this product to keep exposure to airborne contaminants below the exposure limit. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Clothing:** Long sleeved shirt and long pants. Shoes plus socks.

**Eye Protection:** Safety glasses.

**Gloves:** Water proof gloves.

**Respiratory:** When handling in enclosed areas where exposure limits may be exceeded, use a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**User Safety Recommendations:** Wash hands before eating, drinking, chewing gum using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

### **SECTION 9: Physical & Chemical Parameters**

**Appearance:** Tan Granules

**Solubility in water(technical):** 0.2mg/L at 20C

**Odor:** No appreciable odor.

**Vapor density (air=1):** N/A

**Molecular Weight (technical):** 391.3

**Ph:** 5.2

**Molecular Formula (technical):** C<sub>21</sub> H<sub>20</sub> C<sub>12</sub> O<sub>3</sub>

**% Volatiles by volume:** N/A

**Bulk density:** 27 -32 lbs/cu. ft.

**Vapor pressure:** Negligible

### **SECTION 10: Stability & Reactivity**

**Stability:** Stable, however, may decompose if heated.

**Incompatibility:** Oxidizers

**Conditions to avoid:** excessive heat

**Hazardous polymerization:** will not occur

**Hazardous Decomposition Products:** Thermal decomposition may release carbon dioxide, carbon monoxide, sulphur oxides, halogen, halogen acids and possible trace amounts of carbonyl halide

**Other:** When Diazinon is reacted with trace amounts of water, S-TEPP (tetraethyl monothiopyrophosphate) and other hazardous products may be formed.

## **SECTION 11: Toxicological Information**

### **Acute Toxicity:**

- Oral LD<sub>50</sub> (Rat) - > 5,000 mg/Kg
- Dermal LD<sub>50</sub> (Rat) - > 2,000 mg/Kg
- Inhalation LC<sub>50</sub> (Rat) - N/A
- Eye Irritation (Rabbit) - Slight
- Skin Irritation (Rabbit) - Very Slight
- Sensitization (Guinea Pig) - Possible sensitizer

**Medical Conditions Aggravated By Exposure:** None known.

### **Carcinogen Status:**

- OSHA - Not Listed
- NTP - Not Listed
- IARC - Not Listed

**Mutagenic Data:** No evidence of effects during *in vivo* or *in vitro* studies.

**Additional Data:** Not known to exhibit reproductive birth defects. Repeated or prolonged low level exposure may cause sensitization to subsequent exposures.

## **SECTION 12: Ecological Information**

**Environmental Summary:** This product is extremely toxic to fish and aquatic invertebrates. It is moderately toxic to birds and other wildlife. Do not apply directly to water or to areas where surface water is present. Do not apply where runoff is likely to occur. Do not contaminate water when disposing of equipment washwaters.

### **Fish Toxicity: (Technical)**

96 hour LC<sub>50</sub>, Rainbow trout – 2.5 ug/L

96 hour LC<sub>50</sub>, Bluegill – 1.8 ug/L

### **Avian Toxicity: (Technical)**

Oral LD<sub>50</sub>, Japanese Quail - > 13,500 mg/Kg

**Bee Toxicity:** Highly toxic

## **SECTION 13: Disposal Considerations**

**Waste:** Dispose of in accordance with applicable Federal, state and local laws and regulations.

**Container:** Refer to product label.

## **SECTION 14: Transport Information**

**DOT Shipping Description:** Agricultural Insecticide, Solid, N.O.I.B.N.

**DOT Hazard Class:** N/A

**UN Number:** N/A

**DOT Packaging Group:** N/A

**DOT Primary/Secondary Label:** None required

**DOT Primary/Secondary Placard:** None required.

## **SECTION 15: Regulatory Information**

**FIFRA:** All pesticides are governed by the Federal Insecticide, Fungicide and Rodenticide Act. The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide.

**OSHA Hazard Communication Standard Status:** Regulated

**CERCLA Reportable Quantity:** N/A

### **SARA Title III Status:**

302 Extremely Hazardous Substance - No

311/312 Hazard Categories – Immediate

313 Toxic Chemicals – Permethrin (52645-53-1)

**California Prop 65 Status:** Not listed

**SECTION 16: Other Information**

For additional information, refer to the American Conference of Governmental Industrial Hygienists (ACGIH) documentation of TLV's (Threshold Limit Values) for individual components and the DOT Emergency Response Guidebook.

**This information is provided in good faith, but without express or implied warranty.**

**Date: 2/14/01**