

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® Predator Home Insect Killer

EPA Number: 192-194

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 TWA	PEL STEL	ACGIH TWA	TLV STEL
0,0-Diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate (Diazinon)	0.5	333-41-5	0.1 mg/m ³	NE	0.1 mg/m ³	NE

* all ingredients in quantities > 1.0 % (0.1 % for carcinogens or teratogens) that are **potentially** hazardous per OSHA definitions

SECTION 3: Hazards Identification

EMERGENCY OVERVIEW

Physical description: opaque liquid

Odor: characteristic organophosphate

Potential Health Effects: This material may be moderately irritating to the eyes and slightly irritating to the skin. Personnel responding to a spill of this material **MUST** wear protective clothing to avoid skin contact or inhalation of particles to prevent toxic effects.

SECTION 4: First Aid Measures

Skin Contact: Wash with plenty of soap and water. Get medical attention if irritation persists.

Ingestion: If swallowed, promptly drink large amounts of water. **DO NOT INDUCE VOMITING.** Never give liquids to an unconscious person. Get medical attention.

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

Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

NOTES TO PHYSICIAN: The estimated adult oral fatal dose of pure Diazinon is approximately 25 grams. Symptoms may appear within a few minutes or up to 12 hours (rarely longer) after exposure. Contamination of eyes may require specialized ophthalmologic attention. Use of opiates, 2-PAM, succinylcholine or other cholinesterase inhibiting drugs is **CONTRAINDICATED.**

SECTION 5: Fire Fighting Measures

Flash point: 200°F. (TCC)

Explosive limits (%): N/A

Extinguishing media: Water, dry chemical or foam.

Unusual fire/explosion hazards: Diazinon can be vaporized by heat.

Protective Equipment: Use NIOSH/MSHA approved SCBA and bunker gear.

Thermal decomposition: Oxides of sulfur and nitrogen, phosphorus-containing compounds, and other unknown hazardous materials may be formed in a fire situation. Incomplete combustion may lead to formation of carbon monoxide and/or other asphyxiants.

NFPA CODES: FIRE: 1 HEALTH: 2 REACTIVITY: 0

SECTION 6: Accidental Release Measures

Spills: Sweep up material carefully to avoid excessive dusting. Reuse material if possible. If original containers are not available and material is not reusable, place in metal drum and seal. Dispose of in accordance with instructions in Section 13.

SECTION 7: Handling & Storage

Storage: Store in well-closed, upright containers in a cool, dry, well-ventilated area out of reach of children. Do not contaminate water, food or feed by storage or disposal. Do not reuse container.

Handling: Avoid breathing vapor or particles. Avoid contact with skin or clothing. Remove pets, and cover fish aquariums before applying.

SECTION 8: Exposure Controls & Personal Protective Equipment

Skin: Protective gloves required; applicators should wear long pants and long-sleeved shirt

Eye Protection: Goggles or faceshield recommended

Respiratory: Engineering controls may be needed; if industrial hygiene surveys show that occupational exposure limits may be exceeded, use NIOSH approved respirator with organic vapor/dust/mist cartridges, or mechanical ventilation.

SECTION 9: Physical & Chemical Parameters

Appearance: Opaque liquid

Solubility in water: 40ppm @ 25°C

odor: characteristic organophosphate

Density at 20°C: n/a

Boiling point: 220°F.

melting point: n/a

Specific gravity: 1.005

Vapor pressure: 3.3 mm Hg

pH: 6.0 - 8.5

SECTION 10: Stability & Reactivity

Stability: Stable

Incompatibility: Avoid contamination with water, acids or alkalies.

Conditions to avoid: excessive heat

Hazardous polymerization: will not occur

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

Note to Consumers: Information provided in this section is oriented to medical and public health professionals involved in the assessment and treatment of excessive and/or accidental exposures.

Symptoms of overexposure may include: headache, blurred vision, nervousness, weakness, nausea, cramps, salivation, respiratory difficulty, muscle twitches, convulsions, loss of reflexes.

Oral Rat LD₅₀ = 1,470 - 2,400 mg/kg Dermal Rat LD₅₀ = >2,020 mg/kg

Not a contact sensitizer, although may cause dermatitis.

Carcinogens: None listed per OSHA, NTP, or IARC.

SECTION 12: Ecological Information

Ecotoxicity: May be hazardous to aquatic invertebrates. Do not apply directly to water; do not contaminate water by drift, runoff, or cleaning of equipment or disposal of washwaters.

Environmental Fate: Biodegradation will be expected to be a major fate process in soils with reported

half-lives of <1, 2, and 5 weeks in non-sterile soils. Bioconcentration factors range from 5 - 200, depending on species. Average K_{oc} of 191 has been reported.

SECTION 13: Disposal Considerations

This material (as packaged) is not considered a hazardous waste. Be aware that the waste owner has responsibility for final disposal. Regulations may also apply to empty containers, liners or rinsate. Laws may change or be reinterpreted; state and local regulations may be different from federal regulations. This information applies to materials as manufactured; contamination or processing may change waste characteristics and requirements.

SECTION 14: Transport Information

DOT Hazard Description: N/A

SECTION 15: Regulatory Information

CERCLA RQ: 1 lb.

SARA TPQ: 10,000 lbs.

Individual States: States such as Pennsylvania, New Jersey, California, Vermont, Massachusetts and Rhode Island may all have components of this product listed; consult specific state regulatory requirements for additional information.

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.