

**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 3

**EPA Number:** 192-194

**Manufacturer Name & Address:** Dexol, a division of Verdant Brands Inc. 9555 James Avenue S., Ste 200, Bloomington, MN 55431

**Telephone Contact Number & Hours of Operation:** (612) 703-3300, 8:00 a.m. - 5:00 Central Time

**Emergency Telephone Contact Number:** Chemtrec 800-424-9300

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

<u>Hazardous Ingredients</u> <sup>(*)</sup> :	% 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 <sup>3</sup>	NE	0.1 mg/m <sup>3</sup>	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 alkalis.

**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 LD<sub>50</sub> = 1,470 - 2,400 mg/kg**    **Dermal Rat LD<sub>50</sub> = >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<sub>oc</sub> 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.**