

# MATERIAL SAFETY DATA SHEET

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## SECTION I – GENERAL INFORMATION

TRADE NAME	<b> DIAZINON INSECTICIDE</b>
CHEMICAL NAME	(O, O-Diethyl 0-(2-Isopropyl-6-Methyl-4-Pyrimidinyl) Phosphorothioate
CHEMICAL FAMILY	Phosphorothioate - Insecticide
EPA REG. NO.	19713-91
SIGNAL WORD	CAUTION

## SECTION II – INGREDIENTS (Class = H (Hazardous), NH (Non-Hazardous))

<u>NAME</u>	<u>CAS NO.</u>	<u>% (by wt.)</u>	<u>TLV</u>	<u>CLASS</u>
Diazinon	33415	48.2	0.1 mg/m <sup>3</sup>	H
Inerts	N/A	51.8	N/A	NH

## SECTION III – PHYSICAL DATA

<u>Boiling Point</u>	190°C	<u>Specific Gravity</u>	0.997 gms/cc
<u>Vapor Pressure</u>	2 mmHg	<u>% Volatiles</u>	N/A
<u>Vapor Density</u>	N/A	<u>Solubility in Water</u>	Emulsifies
<u>pH</u>	Neutral	<u>Appearance/Odor</u>	Tan liquid, solvent odor

## SECTION IV – FIRE & EXPLOSION DATA

Flash Point	>100°F (Combustible)
Extinguishing Media	Dry chemical, Carbon Dioxide, Halon, water spray or foam.
Fire Fighting Procedures	Assure self-contained breathing apparatus is worn. Stay upwind. Prevent runoff from entering waterways.

## SECTION V – REACTIVITY DATA

Stability	Stable
Conditions to Avoid	Extreme temperatures
Incompatibility	Avoid contamination with water, acids, or alkalis
Hazardous Decomposition Products	Oxides of Carbon and Nitrogen
Hazardous Polymerization	Will not occur

## SECTION VI – HEALTH HAZARD DATA

Carcinogenicity	N/A
Toxicity Data	Oral LD50 (Rat) = 1,250 mg/kg (Tech) Dermal LD50 (Rabbit) = >2,020 mg/kg (Tech)
TLV	0.1 mg/m <sup>3</sup> (Skin)
N.F.P.A.	Health: 3, Fire: 2, Reactivity: 0 (Rating: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Insignificant)
Effects of Overexposure	Headache, blurred vision, nervousness, weakness, nausea, cramps, salivation, respiratory difficulty.

## SECTION VII – EMERGENCY PROCEDURES

**Skin Contact:** Wash promptly with soap and water. Rinse thoroughly. Get medical attention.

**Eye Contact:** Rinse eyes with plenty of water. Call a physician if irritation persists.

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

**Ingestion:** Call a physician or Poison Control Center immediately. DO NOT INDUCE VOMITING. Vomiting may cause aspiration pneumonia. Do not give anything by mouth if person is unconscious or convulsing.

**Note To Physician:** This product is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine. This product contains a xylene range aromatic solvent which may present an aspiration hazard. Gastric lavage may be indicated if product was taken internally. Diazinon is an organophosphate insecticide/miticide.

## SECTION VIII- SPILL OR LEAK PROCEDURES

**Steps to be taken in case of material leak or spill**  
Pick up spills with absorbent clay or material and place in suitable containers. Mop area with soap and water. Assure protective clothing is worn.

**Waste Disposal Method**  
Dispose of in accordance with Local, State, and Federal Regulations.

## SECTION IX – SPECIAL PROTECTION INFORMATION

Respiratory Protection	NIOSH approved organic vapor respirator
Ventilation	Local exhaust recommended
Protective Gloves	Rubber impervious
Eye Protection	Chemgoggles
Other	Coveralls, long-sleeved shirt, rubber boots

## SECTION X – SPECIAL PRECAUTIONS

**Precautions To Be Taken In Handling & Storage**  
KEEP OUT OF REACH OF CHILDREN. FOLLOW LABEL DIRECTIONS CAREFULLY.  
Wash thoroughly after handling. Store away from heat or open flames. Keep away from foodstuffs.

D.O.T. Description      Organophosphorus Pesticides, Liquid, Toxic, Flammable (Diazinon/Xylene), 6.1, UN-3017, PG-III, Marine Pollutant

Freight Description      Agricultural Insecticide, Liquid, N.O.S.

Reportable Quantity      1 Lb.

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