

# Household Products Database

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## Brand Information

**Brand Name:** Ortho Diazinon Soil & Turf Insect Control  
**Other Codes:** EPA REG. NO.: 239-2479  
**Form:** granules  
**Product Category:** Pesticides >> Insecticide >> ants  
 Pesticides >> Insecticide >> lawn/turf  
**Customer Service No.:** 800-225-2883  
**Date Entered:** 2001-06-26  
**Related Items:** [Products with similar usage in this database](#)

## Manufacturer

**Manufacturer:** Solaris Group, The  
 Div., Monsanto Co.  
**Address:** P.O. Box 5008  
**City:** San Ramon  
**State:** CA  
**Zip Code:** 94583  
**Toll Free Number:** 888-295-0671  
**Date Info Verified:** 2003-01-01  
**Related Items:** [Products by this manufacturer](#)

## Health Effects

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The following information (Health Effects, Handling/Disposal, and Ingredients) is taken from the product label and/or the [Material Safety Data Sheet \(MSDS\)](#) prepared by the manufacturer. The National Library of Medicine does not evaluate information from the product label or the Material Safety Data Sheet.

**Acute Health Effects:** From MSDS:  
**IMMEDIATE CONCERNS:**  
 - HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN  
 - AVOID BREATHING DUST  
 - AVOID CONTACT WITH EYES, SKIN OR CLOTHING  
 - MAY CAUSE SKIN SENSITIZATION WITH REPEATED CONTACT  
 - KEEP OUT OF REACH OF CHILDREN

### POTENTIAL HEALTH EFFECTS

**EYES:** The eye irritation potential of this substance has not been determined. However, it is not expected to cause eye irritation due to the granular formulation of this product. If eye contact occurs, eye irritation may include; discomfort, redness, swelling and blurred vision.

**SKIN:** This substance is not expected to cause prolonged or significant skin irritation. This substance can cause allergic skin reactions in some individuals. The dermal toxicity of this substance has not been

determined. However, it may be slightly toxic to internal organs if absorbed through the skin. The degree of injury will depend on the amount absorbed.

**INGESTION:** Ingestion may cause irritation of the digestive tract which may include nausea, vomiting, and diarrhea. If swallowed, this substance is considered practically non-toxic to internal organs.

**INHALATION:** The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if inhaled. This substance may be irritating if inhaled.

**COMMENTS HEALTH:** Depending upon the extent and degree of overexposure to the product, signs and symptoms of cholinesterase inhibition can result following either ingestion, skin contact or inhalation routes of exposure. Signs and symptoms of cholinesterase inhibition can result from either acute (one time), subchronic (repeated short-term) and chronic (daily life-time) overexposure to the product.

Signs and symptoms of cholinesterase inhibition usually occur within 12 hours following overexposure. These effects may include, but may not be limited to, headache, dizziness, weakness, nausea, vomiting, diarrhea, constriction of the pupil of the eye, blurred or dark vision, excessive salivation or nasal discharge, profuse sweating and abdominal cramps. Incontinence, unconsciousness, convulsions and breathing difficulties are indicative of severe poisoning. In untreated severe poisoning, death is due to respiratory failure or cardiac arrest.

**Chronic Health Effects:** MSDS: Signs and symptoms of cholinesterase inhibition can result from either acute (one time), subchronic (repeated short-term) and chronic (daily life-time) overexposure to the product.

Signs and symptoms of cholinesterase inhibition usually occur within 12 hours following overexposure. These effects may include, but may not be limited to, headache, dizziness, weakness, nausea, vomiting, diarrhea, constriction of the pupil of the eye, blurred or dark vision, excessive salivation or nasal discharge, profuse sweating and abdominal cramps. Incontinence, unconsciousness, convulsions and breathing difficulties are indicative of severe poisoning. In untreated severe poisoning, death is due to respiratory failure or cardiac arrest.

**Carcinogenicity:** MSDS: No information provided.

**First Aid:** MSDS: FIRST AID MEASURES

**EYES:** If in eyes, immediately flush with plenty of water. Call a physician immediately.

**SKIN:** Remove contaminated clothing. Wash skin thoroughly with soap and water. See a doctor if any signs or symptoms described in this document occur. Wash contaminated clothing.

**INGESTION:** If swallowed, drink 1 or 2 glasses of water and induce vomiting by touching the back of the throat with finger. If possible, contact a physician, Poison Control Center, or emergency center before inducing vomiting. Do not induce vomiting or give anything by mouth to an unconscious person. Take person and product container to the nearest emergency treatment center.

**INHALATION:** If respiratory discomfort or irritation occurs, move the person to fresh air. See a doctor if discomfort or irritation continues.

**NOTES TO PHYSICIAN:** This material contains a cholinesterase inhibitor. Measurement of blood cholinesterase activity may be useful in monitoring exposure. If signs of cholinesterase inhibition appear, atropine sulfate is antidotal. 2-PAM (PROTOPAM) is also antidotal and may be used in conjunction with atropine but should not be used alone.

**ADDITIONAL INFORMATION:** In case of medical emergencies involving

this product, call day or night, (800) 454-2333.

**Health Rating:** 2

**Flammability Rating:** 1

**Reactivity Rating:** 0

**HMIS Rating Scale:** 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe;  
N = No information provided by manufacturer; \* = Chronic Health Hazard

**MSDS Date:** 2001-06-26

### Handling/Disposal

**Handling:** MSDS: HANDLING AND STORAGE

**GENERAL PROCEDURES:** Keep pesticide in original container. Do not put into food or drink containers. Avoid contamination of feed and foodstuffs. Store in a cool, dry place, preferably locked storage area.

**ECOTOXICOLOGICAL INFORMATION:** This material is toxic to fish, birds and other wildlife. Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Because of the migratory habits of certain Atlantic Coast waterfowl, do not apply this product to lawns in Nassau County, New York between November 1 and May 20. Do not exceed maximum permitted label rates. Application rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping granules. Where irrigation watering is recommended in the directions or if waterfowl (ducks and geese), can be expected in the treated area after treatment (except spot treatment) apply a minimum of 0.25 inches of water immediately after applying this product. Stop irrigation before puddling occurs. Keep out of lakes, streams, ponds, tidal marches and estuaries. Do not apply directly to water. Runoff may be hazardous to aquatic organisms in neighboring areas. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab and other aquatic life are important resources. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

**Disposal:** MSDS: PRODUCT DISPOSAL:

The Solaris Group is committed to responsible environmental practices and recommends that all of the product be used up, carefully following all label directions and precautions. If necessary to dispose of partially filled product container, then securely wrap it in several layers of newspaper and discard in trash.

**EMPTY CONTAINER:** Do not reuse empty container. Discard container in trash.

### Ingredients from MSDS/Label

Chemical	CAS No / Unique ID	Percent
Diazinon	000333-41-5	5
Magnesium carbonate	000546-93-0	
Inert ingredients (unspecified)	999999-00-2	~ 94.15

Note: Brand names are trademarks of their respective holders.

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