

Material Safety Data Sheet  
May be used to comply with  
OSHA's Hazard Communication Standard,  
29 CFR 1910.1200. Standard must be consulted  
for specific requirements.

U.S Department of Labor  
Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

IDENTITY (As Used on Label and List)

**Bonide DuraTurf Crabgrass & Weed Preventer for  
Lawns & Ornamental Beds**

**ID No. 627194294**

Date: August 15, 2011

**Section I**

Bonide Products, Inc. (800) 424-9300  
6301 Sutliff Rd. (315) 736-8231  
Oriskany, NY 13424

**Section II - Hazardous Ingredients/Identity**

Hazardous Components (Specific Chemical Identity: Common Name(s)	OSHA PEL	ACGIH TLV	Other Limits	% (Optional)
Dithiopyr CAS #97886-45-8	None			.27%
Inert Ingredients				99.73%

**EMERGENCY OVERVIEW:**

CAUTION: May causes eye irritation. May causes skin irritation. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing laundry separately.

**Section III – First Aid**

**EYES:** Flush with plenty of water. Get medical attention if irritation occurs and persists.

**SKIN:** Wash thoroughly with plenty of soap and water.

**INGESTION:** Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. If any discomfort persists, obtain medical attention.

**INHALATION:** Remove to fresh air. If breathing difficulty or discomfort occurs and persists, obtain medical attention.

**NOTES TO MEDICAL DOCTOR:** No specific antidote is available. Treat patient symptomatically.

**Section IV – Fire/Explosion Data**

**FLASH POINT:** N/A

**EXTINGUISHING MEDIA:** Foam, CO2 or dry chemical. Soft stream water fog only if necessary. Contain all runoff.

**FIRE / EXPLOSION HAZARDS:** Can burn in fire releasing irritating and toxic gasses due to thermal decomposition or combustion.

**FIRE FIGHTING PROCEDURES:** Isolate fire area. Evacuate downwind. Cool closed containers exposed to fire with water spray. Wear full protective clothing and self-contained breathing apparatus. Do not breathe smoke, gases or vapors generated.

**Section V- Accidental Release Measures**

**SPILL OR LEAK:** Isolate and contain spill. Remove unauthorized persons from spill area. Do not walk through spilled materials. Wear suitable protective gear. Carefully sweep or scoop spilled material and place in closed, labeled containers for use or disposal. Do not allow spilled material to enter streams, sewers or other waters. Wear appropriate protective equipment when handling.

**Section VI - Handling and Storage**

**GENERAL PROCEDURES:** Store in a cool, dry, well-ventilated place. Do not use or store near heat, open flame or hot surfaces. Store in original containers only. Keep out of reach of children and animals. Always practice good hygiene when working with this or any chemical.

**ROUTES OF ENTRY:** Inhalation, Eyes, Skin, Ingestion.

**EYES:** Causes slight eye irritation.

**INHALATION:** Avoid breathing dust.

**SKIN:** Prolonged or repeated skin contact can cause irritation. Avoid Contact.

**INGESTION:** Low Toxicity. Harmful effects not anticipated.

**MEDICAL CONDITIONS AGGRAVATED:** None presently known.

## Section VII – Personal Protective Equipment

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**EYES AND FACE:** For dust exposure, wear chemical protective goggles, face shield or safety glasses.

**RESPIRATORY:** Avoid breathing dust or vapor. Use only with adequate ventilation or protective equipment.

**GLOVES & PROTECTIVE CLOTHING:** Wear chemical protective gloves made of materials such as rubber or neoprene. Thoroughly wash the outside of gloves with soap and water prior to removal. Inspect regularly for leaks. Depending upon concentrations encountered, wear coveralls or long-sleeved uniform and head covering. Launder all work clothing before reuse (separately from household laundry).

**WORK HYGIENIC PRACTICES:** Clean water should be available for washing in case of eye or skin contamination. Wash skin prior to eating, drinking or using tobacco. Shower at the end of the workday.

**ENGINEERING CONTROLS:** Use local exhaust at all process locations where dust may be emitted. Ventilate all transport vehicles prior to unloading.

## Section VIII - Physical/Chemical Characteristics

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**PHYSICAL FORM:** Solid

**COLOR:** golden – light brown granular

**ODOR:** slightly

**BULK DENSITY:** .28-33 lbs./cu ft.

**pH:** NA

**SOLUBILITY IN WATER:** Insoluble

## Section IX - Reactivity Data

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**STABILITY:** Stable.

**POLYMERIZATION:** Will not occur

**INCOMPATIBILITY:** None known

**CONDITIONS TO AVOID:** Excessive heat and fire.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

## Section X - Toxicological Information

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**Mutagenicity:** In-vitro genetic toxicity studies were negative.

**CARCINOGENICITY:** IARC: Not listed, NTP: Not listed, OSHA: Not listed

## Section XI - Ecological Information

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Unless otherwise indicated, the data presented below are for the active ingredient.

This product is toxic to fish. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters.

## Section XII - Disposal Information

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**DISPOSAL METHOD:** Do not contaminate water food or feed by disposal. Pesticide wastes are toxic. If spilled material cannot be disposed of by use according to label instructions, an acceptable method of disposal is to incinerate in accordance with local, state and national environmental laws, rules, standards and regulations.

**EMPTY CONTAINER:** Completely empty package into application equipment then dispose of empty package in accordance with all Federal, State and local regulations. If burned stay out of smoke.

## Section XIII - Transport Information

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**NON BULK Shipment-U.S. DOT Proper Shipping name:** Not regulated by DOT

**Bulk Shipments by Land or Vessel:** Environmentally Hazardous Substances, Solid, N.O.S (Dithiopyr)  
9 UN3077 PG III. Marine Pollutant (Dithiopyr)

## Section XIV - Regulatory Information

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**UNITED STATES - SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):** Not listed

**SECTION 313 REPORTABLE INGREDIENTS (40 CFR 372):** None

**CERCLA RQ:** Not listed      **STATE REGULATIONS PROPOSITION 65 STATEMENT:** Not listed.

**KEEP OUT OF REACH OF CHILDREN**

### ABBREVIATION KEY

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N/A: NOT AVAILABLE OR APPLICABLE

N/E: NOT ESTABLISHED      ND: Not Determined

TLV: THRESHOLD LIMIT VALUE

TWA: TIME WEIGHTED AVG./8 HOUR WORKDAY

STEL: SHORT TERM EXPOSURE LIMIT

D.O.T.: DEPARTMENT OF TRANSPORTATION

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