

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)

## DuraTurf Insect & Feed 12-0-10

**ID # 538831604**

Date: July 26, 2011

### Section I

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

### Section II - Hazardous Ingredients/Identity

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Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits	% (Optional)
Nitrogen				24%
Potash (Soluble)				8%
Bifenthrin (CAS 82657-04-3)				.069%
Crystalline Silica (quartz) 14808-60-7	.1 mg/m <sup>3</sup>	.1 mg/m <sup>3</sup>		

#### 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 launder separately.

### Section III –First Aid

#### EMERGENCY AND FIRST AID PROCEDURES:

**If Swallowed** – Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

**If in Eyes** – Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

**If on Skin** – Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**If Inhaled** – Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.

#### Other Health Warnings:

Fertilizers may aggravate existing skin irritation or lesions, cuts or scrapes. Asthma or pulmonary disease may be aggravated by inhalation of dust. Chronic: Prolonged or repeated exposure may cause liver and thyroid effects.

### Section IV - Fire and Explosion Data

FLASHPOINT: Not flammable

FLAMMABLE LIMITS: NA

EXTINGUISHING MEDIA: Use water, carbon dioxide, dry chemical or foam.

SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective clothing and self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

### 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 spill material and place in closed, labeled containers for use or disposal. Scrub contaminated surfaces with detergent and water, and collect wash water solution for proper disposal according to label directions. Do not allow spilled material to enter streams, sewers or other waters. Wear appropriate protective equipment when handling.

### Section VI - Personal Protection & Exposure Controls

**EYE PROTECTION:** None normally required; follow local work rules. Chemical goggles or shielded safety glasses recommended for prolonged or repeated exposure.

#### Section VI - Personal Protection & Exposure Controls (con't)

**SKIN PROTECTION:** Long sleeves, work gloves or impervious gloves. Avoid skin contact. If prolonged exposure cannot be avoided, wear impervious gloves. Launder contaminated clothing separately.

**RESPIRATORY PROTECTION (Specify type):** Not normally required. If vapors may exceed acceptable levels, wear MSHA/NIOSH-approved respirator or mask to protect against pesticide dusts, mists and vapors.

VENTILATION: Local exhaust ventilation preferred

MECHANICAL (General): Not normally required. Use if ventilation is not adequate.

OTHER: Work in a well-ventilated area

OTHER PROTECTIVE EQUIPMENT: Practice good hygiene- always wash thoroughly before eating, drinking or smoking. Wash clothing separate from other laundry before reuse.

## Section VII - Physical/Chemical Ingredients

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APPEARANCE AND ODOR: Multi-colored granules, with characteristic fertilizer odor

PHYSICAL FORM: Granulars

BOILING POINT: NA

pH: NA

BULK DENSITY: NA

SOLUBILITY IN WATER: partially soluble

VISCOSITY: Free flowing granulars

## Section VIII – Stability & Reactivity Data

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STABILITY: Stable

CONDITIONS TO AVOID: None

INCOMPATIBILITY: Strong Oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce CO, CO<sub>2</sub>, NO<sub>x</sub>, or sulfur compounds. Product is stable and hazardous polymerization will not occur.

## Section IX - Toxicology Information

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ROUTES OF ENTRY: Ingestion, inhalation, eyes and skin contact.

SIGNS & SYMPTOMS OF OVER EXPOSURE:

EYES: Acute- Mild, reversible irritation to the eye. Chronic- None reported.

SKIN: Acute-May cause mechanical irritation. Chronic- None reported.

INHALATION: Acute- May irritate nose, throat and upper respiratory tract.

Chronic- Excessive inhalation of crystalline silica may cause lung injury.

INGESTION: Acute- May cause gastrointestinal irritation, including nausea, vomiting, cramps and diarrhea. No specific symptoms of over exposure to the herbicide active ingredients are known to occur.

Chronic: None Reported.

## Section X- Precautions for Safe Handling/Use

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HANDLING AND STORAGE: Store in a cool, dry place away from children, domestic animals, food and feed products. Do not take internally. Do not contaminate other stored products or the storage area by handling or storage of this product. Immediately clean up any spills, which occur during handling and storage. Wash thoroughly after handling. Keep out of the reach of children.

OTHER PRECAUTIONS: Do not contaminate water supplies by handling or storage of product, cleaning of equipment or disposal of wastes. Keep work and storage areas clean. Read and follow precautionary measures on product label.

## Section XI - Environmental and Disposal Information

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SPILL OR LEAK PROCEDURES: Contain spill; absorb liquids by covering with clay or other absorbent material; vacuum, scoop or sweep up wastes and place in container for disposal.

WASTE DISPOSAL METHOD: Material, which cannot be used at the site, should be disposed of in an approved waste disposal facility following all applicable Federal, State and local regulations. Triple rinse empty containers and offer for recycling or reconditioning, or puncture and dispose of in an approved sanitary landfill. Do not contaminate water supplies by disposal of wastes or containers.

## Section XII - Transportation Information

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This product is not regulated U.S. DOT for all modes of transportation within the U.S.

### KEEP OUT OF REACH OF CHILDREN

NOTICE: This information is believed to be accurate and reliable. However, no guarantee expressed or implied is made with respect to the information contained herein.

### ABBREVIATION KEY

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

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.