

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 Sedge Ender Concentrate**

**ID No. 27934274**

Date: June 29, 2011

**Section I**

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Bonide Products, Inc.	(800) 424-9300
6301 Sutliff Rd.	(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)
Sulfentrazone (CAS# 290991-21-2)				1.36%
Prodiamine				2.73%
Other ingredients				95.91%

**EMERGENCY OVERVIEW:**

CAUTION: Causes corneal irritation. Causes skin irritation. Do not get in eyes, on skin or on clothing. Harmful if swallowed, absorbed through skin or inhaled. Avoid breathing spray. Wash thoroughly with soap and water after handling. Remove contaminated clothing/laundry separately.

**Section III –First Aid**

**EMERGENCY AND FIRST AID PROCEDURES:**

**If Swallowed** – Give one or two glasses of water to the person if they are able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Call a poison control center or doctor if discomfort persists.

**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 doctor if irritation persists.

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

**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:**

Have the product container or label with you when calling a poison control center or doctor or going for treatment. NOTE TO PHYSICIAN: this product has low oral dermal and inhalation toxicity. It is minimally irritating to the eyes and mildly irritating to the skin. Treatment is otherwise controlled removal of exposure followed by symptomatic and supportive care.

**Section IV - Fire and Explosion Data**

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FLASHPOINT: > 212°F (100° C)

EXTINGUISHING MEDIA: Foam, CO2, dry chemical or soft stream water fog only if necessary.

FIRE/EXPLOSION HAZARD: Slightly combustible. This material may support combustion at elevated temperatures.

FIRE FIGHTING INSTRUCTIONS: Wear positive pressure breathing apparatus and full protective clothing. Fight fire from maximum distance. Stay up-wind and out of low areas.

UNUSUAL FIRE FIGHTING PROCEDURES: Isolate area. Evacuate downwind. Dike runoff. Runoff from fire control area or dilution water may cause pollution. If surface water is contaminated, contact local authorities.

**Section V – Accidental Release Measures**

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SPILL OR LEAK: Do not touch spilled without proper protection. Isolate spill area. Wear prescribed protective clothing and equipment. Contain and absorb spilled material with a solid absorbent such as sand, cat litter, commercial clay or other suitable absorbent. Keep material out of streams and sewers.

Large spills should be covered to prevent dispersal. Place in an approved drum and dispose of material following the

method outlined below under "Waste Disposal". To decontaminate spill area, tools and equipment, wash with a suitable solution (e.g. organic solvent, detergent, bleach or caustic) and dispose of solution following the method outlined below under "Waste Disposal". Shower after handling or applying the product. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.

## Section VI - Handling and Storage

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**HANDLING AND STORAGE:** Store in cool dry place in original container. Do not get in eyes, on skin or on clothing. Avoid breathing spray. Do not use on surfaces that can be harmed by water. Keep out of the reach of children. Always practice good hygiene when handling this or any chemical. Wash thoroughly with soap and water any exposed areas. 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.

**STORAGE PRECAUTIONS:** Store product in original container and keep container closed when not in use. Do not store near food or feed. Protect from freezing.

**WORK/HYGIENIC PRACTICES:** Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Use in well ventilated area. Avoid breathing mist. Stay up wind when applying.

## Section VII- Precautions for Safe Handling/PPE

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**VENTILATION REQUIREMENTS:** Good local ventilation is required. Mechanical exhaust may be used if exposure limits may be exceeded.

**Personal Protective Equipment:**

**CLOTHING REQUIREMENT STATEMENT:** When mixing, loading, or applying this product, wear long-sleeved shirt, long pants, socks, shoes, chemical-resistant gloves and eye protection. It is recommended that safety glasses include front, brow, and temple protection. Wear gloves made of rubber, nitrile or neoprene.

**PERSONAL HYGIENE STATEMENT:** After using this product, rinse gloves before removing, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water. Remove saturated clothing as soon as possible and shower.

**EYE PROTECTION:** Safety Glasses with side shields or safety goggles.

**RESPIRATORY PROTECTION:** If exposure limits may be exceeded, wear a respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approved number prefix TC-23C), or a NIOSH approved respirator with any R, P or HE filter.

## Section VIII - Health Hazard Information

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**ROUTES OF ENTRY:** Skin contact, inhalation, ingestion.

**EYES:** Moderately irritating to eyes.

**SKIN:** Moderately irritating to skin.

**INHALATION:** Moderately irritating to the mucous membranes. Inhalation of sprays may cause burning sensations in the respiratory tract, resulting in coughing.

**INGESTION:** May cause vomiting, with pain in the chest and abdomen, and diarrhea.

**Signs and Symptoms:** Inhalation may cause burning in the chest, with coughing. Prolonged inhalation sometimes causes dizziness. Ingestion usually leads to vomiting.

**Medical Conditions Generally Aggravated by Exposure:** Individuals with chronic skin disease or known sensitivity to chlorophenoxy compounds should either avoid using them or take strict precautions to avoid contact. (Respirator, gloves, etc.)

## Section IX - Physical/Chemical Ingredients

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**BOILING POINT:** > 200°F

**FREEZING POINT:** <35°F

**SPECIFIC GRAVITY:** 1.04

**VAPOR DENSITY (AIR=1):** NI

**pH:** 6.2

**SOLUBILITY IN WATER:** Disperses

**APPEARANCE AND ODOR:** Yellow liquid with a paint like odor

## Section X – Stability & Reactivity Data

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**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur

**INCOMPATIBILITY (Materials to Avoid):** Excessive heat and fire.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** May produce gases such as monoxide, and carbon dioxide, nitrogen oxides, hydrogen chloride and hydrogen fluoride when burning.

**Section XI –Toxicology Information**

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Chronic Toxicology – No data for this formulation. Sulfentrazone was not carcinogenic in lifetime feeding studies with laboratory animals.

Carcinogenity: IARC: No NTP: No Other (OSHA): No

**Section XII –Ecological Information**

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Sulfentrazone is slightly toxic to fish and aquatic invertebrates.

Prodiamine is expected to be highly toxic to fish.

Drift or runoff may adversely affect aquatic invertebrates and non target plants. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark.

**Section XIII - Environmental and Disposal Information**

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DISPOSAL: Do not contaminate water when disposing of equipment wash water. When cleaning equipment, do not pour the wash water on the ground; spray or drain over a large area away from wells and other water sources.

Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on a impervious pad to contain spills will help prevent groundwater contamination.

Improper disposal of excess herbicide, spray mixture, or rinsate is a violation of Federal law and may contaminate groundwater. If these wastes cannot be disposed of by use according to label instructions, contact your state pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: For Plastic Containers – Triple rinse (or equivalent). Then offer for landfill or incineration, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities by burning. If burned stay out of smoke.

**Section XIV - Transportation Information**

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The following guidelines apply for domestic ground transport.

Non bulk sizes-

This product does not qualify as a Hazardous Material as defined by US DOT Parts 100 through 185.

Bulk: UN 3082, Environmentally Hazardous Substance, liquid, N.O.S. (Prodiamine), 9, PG III

**KEEP OUT OF REACH OF CHILDREN****ABBREVIATION KEY**

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N/A: NOT AVAILABLE OR APPLICABLE

N/E: NOT ESTABLISHED

TLV: THRESHOLD LIMIT VALUE

TWA: TIME WEIGHTED AVG./8 HOUR WORKDAY

STEL: SHORT TERM EXPOSURE LIMIT

D.O.T.: DEPARTMENT OF TRANSPORTATION

NI=Not Indicated

**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.