

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 Weed Beater ULTRA RTS**

**ID No. 22178634(2)**

Date: May 18, 2011

## Section I

Bonide Products, Inc.  
6301 Sutliff Rd.  
Oriskany, NY 13424

(800) 424-9300  
(315) 736-8231

## Section II - Hazardous Ingredients/Identity

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits	% (Optional)
MCPA, 2-ethylhexyl ester (CAS# 29450-45-1)				31.55%
R(+)(2-(2-Methyl-4-chlorophenoxy) propionic acid (MCPP) (CAS# 16484-77-8)				6.16%
3,6-Dichloro-o-anisic acid (Dicamba) (CAS# 1918-00-9)				1.65%
Carfentrazone-ethyl (CAS# 128639-02-1)				0.22%

### 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** – 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:

Have the product container or label with you when calling a poison control center or doctor or going for treatment. NOTE TO PHYSICIAN: Contains petroleum distillate – vomiting may cause aspiration pneumonia.

## Section IV - Fire and Explosion Data

FLASHPOINT: > 189°F

EXTINGUISHING MEDIA: Foam, CO2, Dry Chemical.

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: Fire fighting precautions would be the same as those for any petroleum based oil product. 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

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.

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:** 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.

**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. Pain in the chest and abdomen, and diarrhea may follow. Headache, mental confusion, and bizarre behavior are early manifestations of severe poisoning, which may progress to unconsciousness.

**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:** 0.96650

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

**pH:** 2.92 for a 1% aqueous solution

**SOLUBILITY IN WATER:** Emulsifiable

**EVAPORATION RATE (Butyl Acetate=1):** <1

**APPEARANCE AND ODOR:** Amber liquid, ester odor

**OTHER INFORMATION:** VISCOSITY: 8.11 cps @ 23.8°C

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## Section X – Stability & Reactivity Data

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STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITY (Materials to Avoid): None known.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: May produce gases such as HCl, organo chlorides, nitrogen oxides, and carbon monoxide when burning.

## Section XI –Ecological Information

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Carfentrazone is very toxic to algae and moderately toxic to fish. This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget 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.

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

Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D and MCPP-p have been associated with mixing, loading and disposal sites. Caution should be exercised when handling 2,4-D and MCPP-p pesticides at such sites to prevent contamination of groundwater supplies. 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.

## Section XII - Environmental and Disposal Information

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PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, 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 XIII – Transportation Information

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The following guidelines apply for domestic ground transport.

Freight Class: Herbicides, NOI- NMFD #50320

In current sizes available, this product does not qualify as a Hazardous Material.

## Section XIV - Additional Information

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OSHA STATUS: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA STATUS: Exempt

NFPA: Fire 1, Health 2, Reactivity 0, Other/Special/PPE - B

## KEEP OUT OF REACH OF CHILDREN

### ABBREVIATION KEY

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N/A: NOT AVAILABLE OR APPLICABLE

TLV: THRESHOLD LIMIT VALUE

STEL: SHORT TERM EXPOSURE LIMIT

NI=Not Indicated

N/E: NOT ESTABLISHED

TWA: TIME WEIGHTED AVG./8 HOUR WORKDAY

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.