

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: August 16, 2007

**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)
2,4-Dichlorophenoxyacetic acid, isooctyl (2-ethylhexyl) ether (CAS# 1928-43-4)				31.55%
R(+)(2-(2-Methyl-4-chlorophenoxy propionic acid (MCP) (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%

**Section III - Physical/Chemical Ingredients**

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

**Section IV - Fire and Explosion Data**

FLASHPOINT: > 200°F  
 EXTINGUISHING MEDIA: Foam, CO2, Dry Chemical, Water  
 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. Runoff from fire control area or dilution water may cause pollution. If surface water is contaminated, contact local authorities.

**Section V - Reactivity Data**

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 VI - Health Hazard Information**

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.)

#### **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 VII - Precautions for Safe Handling/Use**

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**STORAGE:** Store in original container in a locked area, inaccessible to children and pets. Keep from freezing. Do not allow cross-contamination of pesticides, fertilizers, seeds, feed or food.

**OTHER PRECAUTIONS:** Engineering Control Statements of non-WPS uses: Containers over 1 gallon and less than 5 gallons: Persons engaged in open pouring of this product must also wear coveralls or a chemical resistant apron.

**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 - Environmental and Disposal 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.

**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 IX - 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

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.