

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 Plus**

**Crabgrass & Broadleaf Weed Killer<sup>®</sup> Ready to Spray**

**ID # 22175404**

Date: September 15, 2011

## Section I

Bonide Products, Inc.  
6301 Sutliff Road  
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)
2,4-D dimethylamine salt CAS#2008-39-1				6.42
Quinclorac CAS # 84087-01-4				2.13%
Dicamba, dimethylamine salt CAS#2300-66-5				.60%

**/EMERGENCY OVERVIEW:** Harmful if swallowed do not take internally. Harmful if absorbed through skin. Mild eye irritation may cause irritation and burns. May cause moderate dermal irritation. May cause respiratory irritation; burning.

## Section III – First Aid Measures

### EMERGENCY AND FIRST AID PROCEDURES:

**GENERAL:** When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.

**EYES:** Hold open eyes and flush slowly and gently with clean water for 15 - 20 minutes. Remove contact lenses, if present, after first 5 minutes then continue rinsing eye. Call a poison control center immediately.

**SKIN:** Wash off immediately with plenty of water for at least 15 minutes. Take contaminated clothing and shoes immediately. Call a physician or poison control center.

If irritation persists, seek medical attention. Launder contaminated clothing separately prior to reuse.

**INHALATION:** Remove victim to fresh air. Administer artificial respiration if person is not breathing. Call 911, a physician or poison control center immediately.

**INGESTION:** Call a physician or Poison Control Center immediately. Rinse out mouth and give water in small sips to drink. **DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO BY A PHYSICIAN.** Do not leave victim unattended.

**NOTE TO PHYSICIAN:** There is no specific antidote. Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended.

## Section IV – Firefighting Measures

**FLASHPOINT:** 54.5°C / 130.1° F

**EXTINGUISHING MEDIA:** Foam, CO2, Dry Chemical, Water

**FIRE FIGHTING INSTRUCTIONS:** Stay out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Dike area to prevent runoff and contamination of water sources. Inform authorities at once if material enters sewers or watercourses. Equipment or materials involved in pesticides fires may become contaminated. Wear positive pressure breathing apparatus and full protective clothing.

## Section V – Accidental Release Measures

**SPILL OR LEAK PROCEDURES:** Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product. Wear protective clothing, chemical resistant gloves and shoes, safety glasses or goggles, and if exposure limits may be exceeded, a dust/mist respirator, NIOSH/MSHA approval no. TC-21C or an organic vapor cartridge respirator, NIOSH/MSHA approval no. C-23C.

Contain spill and collect for reuse or absorb onto inert absorbent such as Dri-Rite, sand or pet litter. Collect into drums; cover and label drums for reuse or proper disposal. Flush area with water if possible. Absorb wash water for disposal. Do not allow product to enter streams, sewers or other waterways.

## Section VI - Handling & Storage

**HANDLING PROCEDURES:** Handle and open container in a manner as to prevent spillage. Always practice good hygiene with this or any chemicals. Wash hands thoroughly with soap and water after handling and before eating, drinking, and chewing gum, using tobacco, using the toilet or applying cosmetics. Take off contaminated clothing and shoes immediately. Wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Before removing gloves clean them with soap and water. As soon as practical, wash thoroughly and change into clean clothing.

## Section VII – Personal Protective Equipment

**PROTECTIVE CLOTHING:** Wear long sleeves and pants; chemical-resistant gloves and shoes.

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

**RESPIRATORY PROTECTION:** If recommended exposure limits may be exceeded, wear a respirator for dusts/mists, NIOSH/MSHA approval number TC-21C or an organic vapor respirator with pesticide cartridge, NIOSH/MSHA approval number TC-23C.

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

**OTHER PRECAUTIONS:** Pesticide wastes are toxic. Do not contaminate water supplies with rinsate from equipment cleaning or spill clean-up. Do not apply this product when it may drift from the target area. Do not apply directly to water.

**VENTILATION REQUIREMENTS:** Good local ventilation is required. Mechanical exhaust may be necessary if product is applied in an enclosed area.

## Section VIII - Physical/Chemical Ingredients

**APPEARANCE AND ODOR:** Brown liquid with mid musty odor.

**BOILING POINT:** 212°F      **Freezing Point:** < 35°F      **VAPOR PRESSURE (mm Hg):** <17 @ 68°F

**SPECIFIC GRAVITY:** 1.03      **pH:** 7.5 - 8.5      **SOLUBILITY IN WATER:** Infinite

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

**OTHER INFORMATION:** % Volatile by Volume: 92%

## Section IX – Stability & Reactivity Data

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur

**INCOMPATIBILITY:** Acids

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** In fire conditions, CO, CO<sub>2</sub>, NO<sub>x</sub>, HCl may be produced.

## Section X– Toxicological Information

**CHRONIC HEALTH EFFECTS:** Chronic overexposure to dicamba may cause liver changes or a decrease in body weight. The EPA's Science Advisory Panel has given dicamba a class D classification (not classifiable as to human carcinogenicity). Animal tests with dicamba have not shown carcinogenic, terato-genic or other reproductive effects with the exception of slightly reduced fetal body weights and post implantation losses reported at the Maximum Tolerated Dose level.

## Section XI – Ecological Information

This product is toxic to aquatic invertebrate. Drift or runoff may adversely affect aquatic invertebrates and non-target plants. This product may be toxic to fish and other wildlife. Do not contaminate water with this product.

## Section XII - Disposal Information

**GENERAL DISPOSAL GUIDANCE:** Pesticide wastes are acutely hazardous, improper disposal of excess pesticide, spray mixture or rinsate is a violation Federal Law. 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. Dispose of DOT drums(s), waste water according to Local, State and Federal regulations. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water.

**DO NOT REUSE EMPTY CONTAINERS.** Triple rinse containers. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration if allowed by State and local authorities.

### **Section XIII – Transportation & Additional Information**

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TRANSPORTATION CLASSIFICATION: Not regulated for Domestic Surface Shipment

FREIGHT CLASSIFICATION: Compounds, Tree or Weed Killing, NOI , other than poison, Having a density of greater than 20 lbs per cubic foot.

### **Section XIV–Additional Information**

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RECOMMENDED HAZARD SUMMARY (Defined by 29 CFR 1910.1200): Immediate health hazard

NFPA: Health – 2 Flammability – 1 Reactivity – 0 Other- none

APPLY THIS PRODUCT AS SPECIFIED ON LABEL.

**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.