Bonide Weed Beater Ultra Ready to Use
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name: Bonide Weed Beater Ultra Ready to Use
Product code: 22178654

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture: Herbicide

1.3. Details of the supplier of the safety data sheet
Bonide Products, Inc.
6301 Sutliff Road
Oriskany, NY 13424
T (315) 736-8231
www.bonide.com

1.4. Emergency telephone number
Emergency number: CHEMTREC - 1 (800) 424-9300 and/or 1 (703) 527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (GHS-US): Not classified

2.2. Label elements
GHS-US labeling: No labeling applicable

2.3. Other hazards
No additional information available

2.4. Unknown acute toxicity (GHS-US)
No data available

SECTION 3: Composition/information on ingredients

Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCPA 2-EHE</td>
<td>(CAS No) 29450-45-1</td>
<td>0.337</td>
<td>Acute Tox. 4 (Oral), H302</td>
</tr>
<tr>
<td>Mecoprop-P</td>
<td>(CAS No) 16484-77-8</td>
<td>0.066</td>
<td>Acute Tox. 4 (Oral), H302, Eye Dam. 1, H318, Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>Dicamba</td>
<td>(CAS No) 1918-00-9</td>
<td>0.018</td>
<td>Acute Tox. 4 (Oral), H302, Acute Tox. 4 (Dermal), H312</td>
</tr>
<tr>
<td>Carfentrazone-ethyl</td>
<td>(CAS No) 128639-02-1</td>
<td>0.002</td>
<td>Aquatic Acute 1, H400, Aquatic Chronic 1, H410</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures
First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation: Assure fresh air breathing. Allow the person to rest.
First-aid measures after skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries: Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed
No additional information available

Revision date: 02/18/2016 EN (English US)
SECTION 5: Firefighting measures

5.1. Extinguishing media
Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture
No additional information available

5.3. Advice for firefighters
Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.
Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel
Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders
Protective equipment: Equip cleanup crew with proper protection.
Emergency procedures: Ventilate area.

6.2. Environmental precautions
Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections
See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Store in original container. Keep container closed when not in use.
Incompatible products: Strong bases, strong acids.
Incompatible materials: Sources of ignition.

7.3. Specific end use(s)
No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Bonide Weed Beater Ultra Ready to Use</th>
<th>DNEL</th>
<th>DNEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNEL</td>
<td>8</td>
<td>8</td>
</tr>
</tbody>
</table>

8.2. Exposure controls
Personal protective equipment: Avoid all unnecessary exposure.
Hand protection: Wear protective gloves.
Eye protection: Chemical goggles or safety glasses.
Respiratory protection: Wear approved mask.
Other information: When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Physical state: Liquid
Appearance: Amber Liquid
**Bonide Weed Beater Ultra Ready to Use**

**Safety Data Sheet**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Colorless or white</td>
</tr>
<tr>
<td>Odor</td>
<td>Ester</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>&lt; 35 degrees F</td>
</tr>
<tr>
<td>Boiling point</td>
<td>&gt; 200</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Self ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.001</td>
</tr>
<tr>
<td>Solubility</td>
<td>Emulsifiable</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Kow</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>

**9.2. Other information**

No additional information available

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**SECTION 10: Stability and reactivity**

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

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**SECTION 11: Toxicological information**

11.1. Information on toxicological effects

Acute toxicity: Not classified

<table>
<thead>
<tr>
<th>Compound</th>
<th>LD50 oral rat</th>
<th>LD50 dermal rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCPA 2-EHE (29450-45-1)</td>
<td>700 mg/kg (Rat)</td>
<td>&gt; 2000 mg/kg (Rat)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Compound</th>
<th>LD50 oral rat</th>
<th>LD50 dermal rat</th>
<th>LD50 dermal rabbit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dicamba (1918-00-9)</td>
<td>1039 mg/kg (Rat)</td>
<td>2000 mg/kg (Rat)</td>
<td>&gt; 2000 mg/kg (Rabbit)</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Not classified
### Serious eye damage/irritation
: Not classified

### Respiratory or skin sensitization
: Not classified

### Germ cell mutagenicity
: Not classified

### Carcinogenicity
: Not classified

### Reproductive toxicity
: Not classified

### Specific target organ toxicity (single exposure)
: Not classified

### Specific target organ toxicity (repeated exposure)
: Not classified

### Aspiration hazard
: Not classified

### Potential Adverse human health effects and symptoms
: Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### MCPA 2-EHE (29450-45-1)

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>3.2 mg/l (96 h; Salmo gairdneri (Oncorhynchus mykiss); GLP)</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>0.29 mg/l (48 h; Daphnia magna; GLP)</td>
</tr>
<tr>
<td>EC50 other aquatic organisms 1</td>
<td>0.11 mg/l (72 h; Skeletonema costatum; GLP)</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>3.2 - 4.6 mg/l (96 h; Lepomis macrochirus; GLP)</td>
</tr>
<tr>
<td>Threshold limit other aquatic organisms 1</td>
<td>2.15 mg/l (96 h; Salmo gairdneri (Oncorhynchus mykiss); GLP)</td>
</tr>
<tr>
<td>Threshold limit other aquatic organisms 2</td>
<td>&lt; 0.077 mg/l (48 h; Daphnia magna; GLP)</td>
</tr>
<tr>
<td>Threshold limit algae 1</td>
<td>0.0053 mg/l (120 h; Algae; GLP)</td>
</tr>
</tbody>
</table>

#### Dicamba (1918-00-9)

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>23 mg/l (96 h; Lepomis macrochirus)</td>
</tr>
<tr>
<td>LC50 other aquatic organisms 1</td>
<td>10 - 100 mg/l (96 h)</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>&gt; 100 mg/l (48 h; Daphnia magna; Locomotor effect)</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>28 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)</td>
</tr>
<tr>
<td>TLM fish 1</td>
<td>40 ppm (48 h; Lepomis macrochirus)</td>
</tr>
<tr>
<td>TLM fish 2</td>
<td>35 ppm 48 h; Salmo gairdneri (Oncorhynchus mykiss)</td>
</tr>
<tr>
<td>Threshold limit other aquatic organisms 1</td>
<td>10 - 100,96 h</td>
</tr>
</tbody>
</table>

### 12.2. Persistence and degradability

#### Bonide Weed Beater Ultra Ready to Use

Persistence and degradability: Not established.

#### MCPA 2-EHE (29450-45-1)

Persistence and degradability: Hydrolysis in water.

### 12.3. Bioaccumulative potential

#### Bonide Weed Beater Ultra Ready to Use

Bioaccumulative potential: Not established.

#### Dicamba (1918-00-9)

Log Pow: 2.21

Bioaccumulative potential: Low potential for bioaccumulation (Log Kow < 4).

### 12.4. Mobility in soil

#### Dicamba (1918-00-9)

Ecology - soil: Not toxic to bees.

### 12.5. Other adverse effects

Other information: Avoid release to the environment.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials: Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT
No dangerous good in sense of transport regulations
Additional information
Other information: No supplementary information available.

SECTION 15: Regulatory information

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

CAUTION:
Causes moderate eye irritation.
Harmful if absorbed through the skin.
Harmful if swallowed.

15.1. US Federal regulations
No additional information available

15.2. International regulations
No additional information available

15.3. US State regulations
No additional information available

SECTION 16: Other information

Other information: None.

Full text of H-phrases: see section 16:

<table>
<thead>
<tr>
<th>Acute tox. 4 (dermal)</th>
<th>Acute toxicity (dermal) Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute tox. 4 (oral)</td>
<td>Acute toxicity (oral) Category 4</td>
</tr>
<tr>
<td>Aquatic acute 1</td>
<td>Hazardous to the aquatic environment - Acute hazard Category 1</td>
</tr>
<tr>
<td>Aquatic chronic 1</td>
<td>Hazardous to the aquatic environment - Chronic hazard Category 1</td>
</tr>
<tr>
<td>Aquatic chronic 2</td>
<td>Hazardous to the aquatic environment - Chronic hazard Category 2</td>
</tr>
<tr>
<td>Eye dam. 1</td>
<td>Serious eye damage / eye irritation Category 1</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H312</td>
<td>Harmful in contact with skin</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>

SDS US (GHS HazCom 2012) - Pesticides

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.