



# Bonide Weed Beater Plus Crabgrass and Broadleaf Weed Killer Ready to Spray

## 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 Plus Crabgrass and Broadleaf Weed Killer Ready to Spray  
Product code : 4466

#### 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](http://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)

Skin Sens. 1 H317  
Carc. 2 H351

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



GHS07

GHS08

Signal word (GHS-US) :

Warning

Hazard statements (GHS-US) :

H317 - May cause an allergic skin reaction  
H351 - Suspected of causing cancer (.)  
H302 - Harmful if swallowed

Precautionary statements (GHS-US) :

P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P261 - Avoid breathing mist/spray  
P272 - Contaminated work clothing should not be allowed out of the workplace  
P280 - Wear gloves/eye protection  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water  
P308+P313 - IF exposed or concerned: Get medical advice/attention  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention  
P362+P364 - Take off contaminated clothing and wash it before reuse  
P405 - Store locked up  
P501 - Dispose of contents/container to in accordance with local/regional/national regulations

#### 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

Name	Product identifier	%	Classification (GHS-US)
2,4-D, dimethylamine salt	(CAS No) 2008-39-1	6.42	Acute Tox. 4 (Oral), H302 Carc. 2, H351
Quinclorac	(CAS No) 84087-01-4	2.13	Skin Sens. 1, H317

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Name	Product identifier	%	Classification (GHS-US)
Dicamba, dimethylamine salt	(CAS No) 2300-66-5	0.6	Aquatic Chronic 3, H412

### 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. Wash with plenty of soap and water. If irritation occurs and persists see a doctor. Wash contaminated clothing before reuse.
- 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. Call a physician or poison control center immediately.

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : Inhalation may provoke the following symptoms: burning sensation, discomfort in the chest, cough and dizziness.
- Symptoms/injuries after ingestion : Ingestion may provoke: discomfort in chest, vomiting, abdominal pain and diarrhea.

#### 4.3. Indication of any immediate medical attention and special treatment needed

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

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- 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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
- Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

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### 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 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

No additional information available

### 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	: Black to Brown opaque liquid.
Color	: Black to brown.
Odor	: Mild sweet.
Odor threshold	: No data available
pH	: 7.5 - 8.5
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: 1.7 °C
Boiling point	: 212 °F
Flash point	: 147 °F
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 1.037
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable under normal conditions.

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### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids.

### 10.6. Hazardous decomposition products

Carbon monoxide. Hydrogen chloride. nitrogen oxides.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

2,4-D, dimethylamine salt (2008-39-1)	
LD50 oral rat	625 mg/kg (Rat)
LD50 dermal rabbit	2115 mg/kg (Rabbit)

Skin corrosion/irritation : Not classified  
pH: 7.5 - 8.5

Serious eye damage/irritation : Not classified  
pH: 7.5 - 8.5

Respiratory or skin sensitization : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Suspected of causing cancer.

2,4-D, dimethylamine salt (2008-39-1)	
IARC group	2B - Possibly Carcinogenic to Humans

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.

Symptoms/injuries after inhalation : Inhalation may provoke the following symptoms: burning sensation, discomfort in the chest, cough and dizziness.

Symptoms/injuries after ingestion : Ingestion may provoke: discomfort in chest, vomiting, abdominal pain and diarrhea.

## SECTION 12: Ecological information

### 12.1. Toxicity

2,4-D, dimethylamine salt (2008-39-1)	
LC50 fish 1	> 100 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
LC50 other aquatic organisms 1	4 mg/l (48 h; Daphnia magna)
LC50 fish 2	168 mg/l (96 h; Lepomis macrochirus)
Threshold limit other aquatic organisms 2	1 mg/l Salmo gairdneri (Oncorhynchus mykiss)

### 12.2. Persistence and degradability

Bonide Weed Beater Plus Crabgrass and Broadleaf Weed Killer Ready to Spray	
Persistence and degradability	Not established.

Quinclorac (84087-01-4)	
Persistence and degradability	Not established.

2,4-D, dimethylamine salt (2008-39-1)	
Persistence and degradability	Not readily biodegradable in water.

Dicamba, dimethylamine salt (2300-66-5)	
Persistence and degradability	May cause long-term adverse effects in the environment.

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### 12.3. Bioaccumulative potential

#### Bonide Weed Beater Plus Crabgrass and Broadleaf Weed Killer Ready to Spray

Bioaccumulative potential Not established.

#### Quinclorac (84087-01-4)

Bioaccumulative potential Not established.

#### 2,4-D, dimethylamine salt (2008-39-1)

BCF fish 1	0.1 ( <i>Ictalurus punctatus</i> )
BCF fish 2	0.47 ( <i>Lepomis macrochirus</i> )
Log Pow	0.65 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

#### Dicamba, dimethylamine salt (2300-66-5)

Bioaccumulative potential Not established.

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to 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.  
Avoid contact with eyes, skin or clothing.  
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:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Carc. 2	Carcinogenicity Category 2

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Skin Sens. 1	Skin sensitization Category 1
H302	Harmful if swallowed
H317	May cause an allergic skin reaction
H351	Suspected of causing cancer

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.*