



# Bonide Flea Beater-7 Carpet & Upholstry Flea & Tick Killer Aerosol

## 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 Flea Beater-7 Carpet & Upholstry Flea & Tick Killer Aerosol  
Product code : 538833044

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Insecticide

#### 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)

Acute Inhalation 4  
Eye Irritation 2B  
Skin Irritation 2

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US)



Signal word (GHS-US)

Hazard statements (GHS-US)

Precautionary statements (GHS-US)

Warning

: Flammable liquid (Flammability - Category 4)

Harmful if contact with skin

Harmful if inhaled

Cause eye irritation

Suspected of causing cancer (Carcinogenicity- Category 2)

: Keep away from heat and open flames, no smoking. Keep container tightly closed. Ground container and receiving equipment. Use explosion-proof ventilating equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves, eye and face protection. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water. In case of fire: Use water fog, CO<sub>2</sub>, foam or dry chemical to extinguish.

Wear protective gloves and clothing. If on skin, wash with plenty of water. Call a poison center if you feel unwell. Take off contaminated clothing and wash it before reuse.

Avoid breathing mist, vapors and spray. Use only outdoors or in a well-ventilated area. If inhaled: remove a person to fresh air and keep comfortable for breathing. Call a poison center if you feel unwell.

Wash hands thoroughly after handling. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

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### 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	%
Pyriproxyfen	(CAS No) 95737-68-1	0.01
Pyrethrins	(CAS No) 8003-34-7	0.05
n-Octylbicycloheptene dicarboximide	(CAS No) 113-48-4	0.4
Permethrin	(CAS No) 52645-53-1	0.4
Hydrotreated light, Distillates	(CAS No) 64742-47-8	<10

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### FIRST AID

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a physician or poison control center for treatment advice.

**IF SWALLOWED:** Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or physician. Do not give ANY liquid to the person. Do not give anything by mouth to an unconscious person.

**IF IN EYES:** Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing eye. Call a physician or poison control center 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 physician or poison control center for further treatment advice. Have the product container or label with you when calling a poison control center, doctor or veterinarian, or going for treatment.

### 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

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry chemical. Carbon dioxide.

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

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Combustible liquid.

### 5.3. Advice for firefighters

Firefighting instructions : Isolate fire area and evacuate downwind. DO NOT breathe gases, smoke or vapors generated. Wear self-contained breathing apparatus and full-protective clothing. Cool fire exposed areas and equipment.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Keep unauthorized personnel away. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Do not direct water at spill or source of leak. If possible, turn leaking containers so that gas escapes rather than liquid. Prevent entry into waterways, sewers, basements or confined areas. Eliminate all ignition sources and allow to discharge completely in well ventilated area.

#### 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.

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### 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 : Extremely Flammable. Contents under pressure. Keep away from fire, sparks, and heated surfaces. Do not puncture or incinerate container. Refer to the product label and directions for use. Provide good ventilation of working area. Keep away from sources of ignition – No smoking. Keep container tightly sealed. Protect against heat. Handle and open container with care. Do not open until ready to use. Once container is opened, content should be used as soon as possible. Provide means for controlling leaks and spills. Follow label warnings even after container is emptied. The substance/product may be handled only by appropriately trained personnel. Avoid all direct contact with the substance/product. Avoid contact with the skin, eyes and clothing. Avoid inhalation of dusts/mists/vapours. Wear suitable personal protective clothing and equipment.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Store in cool, dry (preferably locked) area that is away from heat and open flame, and in a place that is inaccessible to children and animals. Do not contaminate water, food or feed by storage or disposal.

Storage conditions : Store below 130 °F

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Heat sources.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING AND USE OF THIS PRODUCT.**

**FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.**

**SKIN PROTECTION:** Long-sleeve shirt, long pants, shoes plus socks.

**HAND PROTECTION:** Chemical-resistant gloves.

**EYE PROTECTION:** Protective eyewear or chemical safety glasses with side shields or chemical goggles when working in non-ventilated spaces.

**RESPIRATOR REQUIREMENTS:** None required when used according to label directions. NIOSH approved P class filtering face piece or respirator may be used to minimize inhalation of aerosols.

#### **ADDITIONAL PROTECTIVE MEASURES:**

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### **USER SAFETY RECOMMENDATIONS:**

##### **Users Should:**

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**EXPOSURE GUIDELINES:** Refer to Section 3.

**ENGINEERING CONTROLS:** Use in adequately ventilated areas.

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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid
Color	: No data Available.
Odor	: Characteristic solvent like
Odor threshold	: No data available
pH	: 8-9
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 172 °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	: 0.88 - 0.96 g/ml (8.0 lbs/gal)
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.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

#### 10.5. Incompatible materials

Strong acids. Strong bases.

#### 10.6. Hazardous decomposition products

May release irritating and toxic gases due to thermal decomposition. Products of combustion include CO, and CO<sub>2</sub>.arbon monoxide.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### ACUTE TOXICITY/IRRITATION STUDIES:

Acute Oral LD50 (Rat): > 5,000 mg/kg

Acute Dermal LD50 (Rabbit): > 2,000 mg/kg

Acute Inhalation LC50 (Rat): The LC50 of this material places it in EPA Toxic Category IV.

Eye Irritation: Moderately or severely irritation.

Skin Irritation: Moderately irritating. Prolonged contact with the product may cause skin irritation and reddening.

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Dermal Sensitization: Skin sensitizing effects were not observed in animal studies.

**ROUTES OF EXPOSURE:** Skin, inhalation, ingestion.

### POTENTIAL HEALTH EFFECTS:

**EYE CONTACT:** Cause moderately or severely irritating. May cause redness and tearing.

**SKIN CONTACT:** Moderately irritating. Prolonged contact with the product may cause skin irritation and reddening.

**INGESTION:** Harmful is swallowed.

**INHALATION:** Harmful is inhaled.

### OTHER TOXICOLOGICAL INFORMATION:

#### DEVELOPMENTAL/TERATOLOGY TOXICITY:

Pyriproxyfen: No indication of effect observed in animal studies.

Pyrethrum: No indication of effect observed in animal studies.

n-Octyl bicycloheptene dicarboximide: No indication of effect observed in animal studies.

Distillates (petroleum), hydrotreated light: No indication of effect observed in animal studies.

### REPRODUCTION TOXICITY:

Pyriproxyfen: No effects reported.

Pyrethrum: No effects reported.

n-Octyl bicycloheptene dicarboximide: No effects reported.

### MUTAGENICITY:

Pyriproxyfen: No mutagenic effects reported.

Pyrethrum: No mutagenic effects reported.

n-Octyl bicycloheptene dicarboximide: Results from a number of mutagenicity studies with microorganisms and mammalian cell culture are available. Taking into account all of the information, there is no indication that the substance is mutagenic.

Distillates (petroleum), hydrotreated light: The substance was no mutagenic in bacteria. The substance was not genotoxic in mammalian cell culture.

The substance was not mutagenic in mammal cell culture. The substance was no genotoxic in a test with mammals.

### CARCINOGENICITY:

Pyriproxyfen: In long-term studies in rats and mice in which pyriproxyfen was given by feed, a carcinogenic effect was not observed.

Pyrethrum: Not likely to be carcinogenic to humans.

Permethrin: EPA classified permethrin as "Likely to be Carcinogenic to Humans" by the oral route. This classification was based on two reproducible benign tumor types (lung and liver) in the mouse, equivocal evidence of carcinogenicity in Long-Evans rats, and supporting structural activity relationships (SAR) information. (EPA 2009 Permethrin RED)

## SECTION 12: Ecological information

**ENVIRONMENTAL HAZARDS:** This pesticide is extremely toxic to aquatic organisms, including fish and invertebrates: Do not apply directly to or near water, or to areas where surface water is present or to intertidal areas below the mean water mark. Do not apply when weather conditions favor drift from treated areas. Drift and run-off from treated areas may be hazardous to aquatic organisms in water adjacent to treated areas. See Directions for Use for additional precautions and requirements. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

Pyriproxyfen technical data:

Rainbow trout LC50 (96-h): > 0.325 mg/l

Pyrethrum technical data:

Rainbow trout LC50 (96-h): > 0.0051 mg/l

Daphnia magna EC50 (48-h): 0.016 mg/l

n-Octyl bicycloheptene dicarboximide

Rainbow trout LC50 (96-h): > 1.4 mg/l

Daphnia magna LC50 (48-h): 2.3 mg/l

Permethrin technical data:

Rainbow trout LC50 (96-h): 0.006 – 0.028 µg/L

Zebrafish LC50 (96-h): 0.022 mg/l

Daphnia magna LC50 (24-h): 0.024 mg/l

Distillates (petroleum), hydrotreated light data:

Zebrafish LC50 (96-h): 7.3 mg/l

Daphnia magna EC50 (84-h): 1.4 – 21 mg/l

Algae EC50 (72-h): 3.7 – 8.3 mg/l

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### SECTION 13: Disposal considerations

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Do not contaminate water, food, or feed by storage or disposal. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. Dispose of excess or waste pesticide by use according to label directions, or contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Do not cut, puncture, crush, or incinerate empty aerosol containers. Dispose of product containers, waste containers, and residues according to label instructions and local, state, and federal health and environmental regulations.

#### 13.1. Waste treatment methods

### SECTION 14: Transport information

In accordance with DOT

Consumer Commodity, ORM-D

#### 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** Harmful if swallowed, inhaled, or absorbed through the skin. Do not breathe vapor or spray mist. Avoid contact with skin, eyes, or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

#### 15.1. US Federal regulations

No additional information available

#### 15.2. International regulations

No additional information available

#### 15.3. US State regulations

#### Pyrethrins (8003-34-7)

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

#### Permethrin (52645-53-1)

U.S. - Massachusetts - Right To Know List

#### Distillates hydrotreated light (64742-47-8)

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

### SECTION 16: Other information

Other information : None.

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.*