Bonide Flea Beater Flea and Tick Spray for Pets 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 Flea Beater Flea and Tick Spray for Pets Ready to Use
Product code: 8709324

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

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

SECTION 2: Hazards identification

Emergency overview
WARNING
FLAMMABLE LIQUID
Harmful if absorbed through skin, if swallowed or if inhaled.
Causes moderate eye irritation.

Potential short term health effects
Routes of exposure
Eye, Skin contact, Skin absorption, Inhalation, Ingestion.

Eyes
Causes moderate eye irritation.

Skin
Harmful if absorbed through skin.

Inhalation
Harmful if inhaled.

Ingestion
Harmful if swallowed. May cause stomach distress, nausea or vomiting.

Target organs
Skin. Respiratory system. Eyes.

Chronic effects
Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Signs and symptoms
Symptoms may include redness, edema, drying, defatting and cracking of the skin.

OSHA Regulatory Status
This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential environmental effects
See section 12.

SECTION 3: Composition/information on ingredients

Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropanol</td>
<td>(CAS No) 67-63-0</td>
<td>90-100</td>
</tr>
<tr>
<td>Diethylene glycol monoethyl ether</td>
<td>(CAS No) 111-90-0</td>
<td>2.5-10</td>
</tr>
<tr>
<td>Butylated hydroxyanisole</td>
<td>(CAS No) 25013-16-5</td>
<td>0.1-1</td>
</tr>
<tr>
<td>Fipronil</td>
<td>(CAS No) 120068-37-3</td>
<td>0.1-1</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general
Do not puncture or incinerate container. Keep away from sources of ignition. No smoking. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

First-aid measures after inhalation
Remove affected 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 further treatment advice.

First-aid measures after skin contact
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.
First-aid measures after eye contact: 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 eye. Obtain medical attention if irritation develops or persists.

First-aid measures after ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

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: Carbon dioxide. Alcohol foam. Dry chemical.

Unsuitable extinguishing media: Not available

5.2. Special hazards arising from the substance or mixture

May include and are not limited to: Oxides of carbon.

5.3. Advice for firefighters

Firefighting instructions: Firefighters should wear full protective clothing including self contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures: Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

6.2. Environmental precautions

Do not discharge into lakes, streams, ponds or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.

Before attempting clean up, refer to hazard data given above and use appropriate personal protective equipment (PPE). Never return spills in original containers for re-use. Small Spills: Absorb with non-reactive absorbent and place in suitable, covered, labeled containers. Large Spills: Wet down with water and dike for later disposal. After removal flush contaminated area thoroughly with water. Contact emergency services and supplier for advice.

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: Use good industrial hygiene practices in handling this material. Avoid contact with eyes, skin and clothing. Keep away from heat and open flame. Use only with adequate ventilation. Avoid breathing vapors or mists of this product. Wash thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool (below 77°F/25°C) dry place inaccessible to children and pets. Do not store or use near heat or open flames or other sources of ignition. Protect from direct sunlight.

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>Ingredients</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butylated hydroxyanisole</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td>Diethylene glycol monoethyl ether</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>TW A: 25 ppm</td>
</tr>
<tr>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td>Fipronil</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>TW A: 200 ppm STEL: 400 ppm</td>
</tr>
<tr>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td>TW A: 400 ppm</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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear, Non viscous</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless</td>
</tr>
<tr>
<td>Odor</td>
<td>Alcoholic</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>6.3</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>53 °F</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>0.789 g/ml (6.59 lb/gal)</td>
</tr>
<tr>
<td>Solubility</td>
<td>Dispersible</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>
</tbody>
</table>
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
None known

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
Hazardous polymerization does not occur.

10.4. Conditions to avoid
Extremely high or low temperatures. Do not mix with other chemicals.

10.5. Incompatible materials
Acids. Oxidizers.

10.6. Hazardous decomposition products
None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Component analysis - LC50

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butylated hydroxyanisole</td>
<td>Not available</td>
</tr>
<tr>
<td>Diethylene glycol monoethyl ether</td>
<td>5240.0001 mg/l/4h rat</td>
</tr>
<tr>
<td>Fipronil</td>
<td>0.68 mg/l/4h rat</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>16970 mg/l/4h rat</td>
</tr>
</tbody>
</table>

Component analysis - Oral LD50

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butylated hydroxyanisole</td>
<td>2000 mg/kg rat</td>
</tr>
<tr>
<td>Diethylene glycol monoethyl ether</td>
<td>5500 mg/kg rat</td>
</tr>
<tr>
<td>Fipronil</td>
<td>100 mg/kg rat</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>4396 mg/kg rat</td>
</tr>
</tbody>
</table>

Effects of acute exposure

Eye Causes moderate eye irritation.
Skin Harmful if absorbed through skin.
Inhalation Harmful if inhaled.
Ingestion Harmful if swallowed. May cause stomach distress, nausea or vomiting.
Sensitization Non-hazardous by OSHA criteria.
Chronic effects Non-hazardous by OSHA criteria.
Carcinogenicity Contains a potential carcinogen.

ACGIH - Threshold Limit Values – Carcinogens

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropanol</td>
<td>67-63-0</td>
</tr>
</tbody>
</table>

IARC - Group 2B (Possibly Carcinogenic to Humans)

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Group Number</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butylated hydroxyanisole</td>
<td>25013-16-5</td>
<td>Supplement 7 [1987]; Monograph 40 [1986]</td>
</tr>
</tbody>
</table>

IARC - Group 3 (Not Classifiable)

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Group Number</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropanol</td>
<td>67-63-0</td>
<td>Monograph 71 [1999]; Supplement 7 [1987]; Monograph 15 [1977]</td>
</tr>
</tbody>
</table>

NTP (National Toxicology Program) - Report on Carcinogens - Reasonably Anticipated to be Human Carcinogens
**Butylated hydroxyanisole** 25013-16-5  
**Reasonably Anticipated To Be A Human Carcinogen**

**U.S. - California - Proposition 65 - Carcinogens List**  
Butylated hydroxyanisole 25013-16-5  
carcinogen, initial date 1/1/90

| Mutagenicity | Non-hazardous by OSHA criteria. |
| Reproductive effects | Non-hazardous by OSHA criteria. |
| Teratogenicity | Non-hazardous by OSHA criteria. |

**Name of Toxicologically Synergistic:** Not available

## SECTION 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity - Freshwater Algae - Acute Toxicity Data**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC50 (mg/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropanol</td>
<td>67-63-0</td>
</tr>
</tbody>
</table>

96 Hr EC50 Desmodesmus subspicatus: >1000 mg/L; 72 Hr EC50 Desmodesmus subspicatus: >1000 mg/L

**Ecotoxicity - Freshwater Fish - Acute Toxicity Data**

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 (mg/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene glycol monoethyl ether</td>
<td>111-90-0</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>67-63-0</td>
</tr>
</tbody>
</table>

96 Hr LC50 Oncorhynchus mykiss: 11400-15700 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 11600-16700 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 10000 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 19100-23900 mg/L [flow-through]; 96 Hr LC50 Salmo gairdneri: 13400 mg/L [flow-through]

**Ecotoxicity - Water Flea - Acute Toxicity Data**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC50 (mg/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene glycol monoethyl ether</td>
<td>111-90-0</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>67-63-0</td>
</tr>
</tbody>
</table>

96 Hr LC50 Pimephales promelas: 9400 mg/L [flow-through]; 96 Hr Pimephales promelas: 11310 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: >1400000 μg/L

### 12.2. Persistence and degradability

**Bonide Flea Beater Flea and Tick Spray for Pets Ready to Use**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
<td>Not established.</td>
</tr>
</tbody>
</table>

### 12.3. Bioaccumulative potential

**Bonide Flea Beater Flea and Tick Spray for Pets Ready to Use**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
<td>Not established.</td>
</tr>
</tbody>
</table>

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

**Other information:** None

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Waste disposal recommendations**

Review federal, state and local government requirements prior to disposal. Typically municipal landfill will be appropriate. Do not reuse or refill this container.

**Ecology - waste materials**

Review federal, state and local government requirements prior to disposal.
Bonide Flea Beater Flea and Tick Spray for Pets Ready to Use
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 14: Transport information
U.S. Department of Transportation (DOT) Basic shipping requirements:
Proper shipping name: Consumer commodity
Hazard class: 9
UN number ID8000
Additional information:
Special provisions None
Limited quantity 1L
Excepted quantity 1oz Additional information

IMDG (Marine Transport)
Basic shipping requirements:
Proper shipping name: Flammable liquid
Hazard class 3
UN number 1219, Isopropanol Solution, 3, II, limited quantity

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 or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Persons applying this product must wear protective rubber gloves.

U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances
Butylated 25013-16-5 Present
Hydroxyanisole 67-63-0 Present
Isopropanol

U.S. - California - Proposition 65 - Carcinogens List
Butylated hydroxyanisole 25013-16-5 Carcinogen, initial date 1/1/90

U.S. - Illinois - Toxic Air Contaminant Carcinogens
Butylated hydroxyanisole 25013-16-5 IARC 2B Carcinogen; NTP Anticipated Carcinogen

U.S. - Massachusetts - Right To Know List
Butylated hydroxyanisole 25013-16-5 Carcinogen; Extraordinarily hazardous
Isopropanol 67-63-0 Present

U.S. - Minnesota - Hazardous Substance List
Butylated hydroxyanisole 25013-16-5 Carcinogen
Diethylene glycol monooethyl 111-90-0 Present
Ether Isopropanol 67-63-0 Present

U.S. - New Jersey - Right to Know Hazardous Substance List
Butylated hydroxyanisole 25013-16-5 Carcinogen
Isopropanol 67-63-0 Present

U.S. - Pennsylvania - RTK (Right to Know) List
Isopropanol 67-63-0 Environmental hazard

U.S. - Rhode Island - Hazardous Substance List
Isopropanol 67-63-0 Toxic; Flammable

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.

Revision date: 08/3/2016 EN (English US)