



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

Name	Product identifier	%
Isopropanol	(CAS No) 67-63-0	90-100
Diethylene glycol monoethyl ether	(CAS No) 111-90-0	2.5-10
Butylated hydroxyanisole	(CAS No) 25013-16-5	0.1-1
Fipronil	(CAS No) 120068-37-3	0.1-1

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.

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- 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.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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

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	: Clear, Non viscous
Color	: Colorless
Odor	: Alcoholic
Odor threshold	: No data available
pH	: 6.3
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	: 53 °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	: 0.789 g/ml (6.59 lb/gal)
Solubility	: Dispersible.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available

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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

Ingredient(s)	LC50
Butylated hydroxyanisole	Not available
Diethylene glycol monoethyl ether	5240.0001 mg/l/4h rat
Fipronil	0.68 mg/l/4h rat
Isopropanol	16970 mg/l/4h rat

Component analysis - Oral LD50

Ingredient(s)	LD50
Butylated hydroxyanisole	2000 mg/kg rat
Diethylene glycol monoethyl ether	5500 mg/kg rat
Fipronil	100 mg/kg rat
Isopropanol	4396 mg/kg rat

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

Isopropanol 67-63-0 A4 - Not Classifiable as a Human Carcinogen

IARC - Group 2B (Possibly Carcinogenic to Humans)

Butylated hydroxyanisole 25013-16-5 Supplement 7 [1987]; Monograph 40 [1986]

IARC - Group 3 (Not Classifiable)

Isopropanol 67-63-0 Monograph 71 [1999]; Supplement 7 [1987]; Monograph 15 [1977]

NTP (National Toxicology Program) - Report on Carcinogens - Reasonably Anticipated to be Human Carcinogens

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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

Isopropanol 67-63-0 96 Hr EC50 *Desmodesmus subspicatus*: >1000 mg/L; 72 Hr EC50 *Desmodesmus subspicatus*: >1000 mg/L

Ecotoxicity - Freshwater Fish - Acute Toxicity Data

Diethylene glycol monoethyl ether 111-90-0 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]

Isopropanol 67-63-0 96 Hr LC50 *Pimephales promelas*: 9640 mg/L [flow-through]; 96 Hr *Pimephales promelas*: 11130 mg/L [static]; 96 Hr LC50 *Lepomis macrochirus*: >1400000 µg/L

Ecotoxicity - Water Flea - Acute Toxicity Data

Diethylene glycol monoethyl ether 111-90-0 48 Hr EC50 *Daphnia magna*: 3940 - 4670 mg/L

Isopropanol 67-63-0 48 Hr EC50 *Daphnia magna*: 13299 mg/L

12.2. Persistence and degradability

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Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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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.

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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
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U.S. - Illinois - Toxic Air Contaminant Carcinogens

Butylated hydroxyanisole	25013-16-5	IARC 2B Carcinogen; NTP Anticipated Carcinogen
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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 monoethyl ether	111-90-0	Present
Isopropanol	67-63-0	Present

U.S. - New Jersey - Right to Know Hazardous Substance List

Butylated hydroxyanisole	25013-16-5	sn 3563
Isopropanol	67-63-0	sn 1076

U.S. - Pennsylvania - RTK (Right to Know) List

Isopropanol	67-63-0	Environmental hazard
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U.S. - Rhode Island - Hazardous Substance List

Isopropanol	67-63-0	Toxic; Flammable
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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.