



Bonide Dual Action Bedbug Killer 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 Dual Action Bedbug Killer Ready to Use
Product code : 102125974

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

2.1. Classification of the substance or mixture

Classification (GHS-US)

Skin at 3, Eyes Cat 2B

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



Aquatic toxicity

Signal word (GHS-US) :

Warning

Precautionary & Hazard statements (GHS-US) :

Acute/Potential Health Effects :

Skin: May cause skin/eye irritation. Can cause a burning sensation on more sensitive areas (face, eyes, and mouth). Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Eyes: May cause temporary irritation, tearing, and blurred vision.

Ingestion: Harmful if swallowed

Inhalation: Excessive inhalation of mists can cause nasal and respiratory irritation.

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	%
Imidacloprid	(CAS No) 138261-41-3	0.05
D-Phenothrin	(CAS No) 26002-80-2	0.4
n-octyl bicycloheptene dicarboximide	(CAS No) 113-48-4	1.0

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).

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First-aid measures after inhalation	: Remove affected person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call poison control center or doctor for treatment advise .
First-aid measures after skin contact	: Take off contaminated clothing. Rinse skin immediately with plenty of water for at least 15 minutes. Call poison control center or doctor for treatment advise.
First-aid measures after eye contact	: Hold eyes open and rinse slowly and gently with water for at least 15 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eyes. Call poison control center or doctor for treatment advise.
First-aid measures after ingestion	: Immediately call poison control center or doctor for treatment advise. Have person sip a glass of water if able to swallow. Never give anything by mouth to an unconscious person. DO NOT induce vomiting unless told to do so by poison control or doctor.

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

Note to physician : For skin effects, a highly efficient therapeutic agent for pyrethroid exposure is topical application of tocophenol acetate (Vitamin E)

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Not applicable for this product.

5.2. Special hazards arising from the substance or mixture

This product is classified as non-combustible; however, in the extreme temperatures that fires may produce, some of the constituents of this formula may decompose to give off such gasses as carbon dioxide, carbon monoxide, and nitrogen oxides.

5.3. Advice for firefighters

Protection during firefighting : Use a full - faced self contained breathing apparatus with full protective gear. Keep nearby containers and equipment cool with water stream.

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 : Safety glasses, gloves , chemical resistant boots
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 : Collect product residues and absorbent into drums, storage tanks, etc., as appropriate. Environmental precautions: Contains pyrethroids which are toxic to fish and other aquatic invertebrates. Contaminated absorbent and wash water should be disposed of according to local, state/provincial and federal/national regulations.

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 : Do not apply this product in or on electrical equipment due to the possibility of shock hazard.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Protect from freezing. Do not transport or store below 32°F(0°C) . Store in a cool, dry place, with container tightly sealed. Always store pesticides in the original container. Store away from food and petfood.
Incompatible products : Strong bases. strong acids.

7.3. Specific end use(s)

No additional information available

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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
Color	: Opaque to white.
Odor	: Slight, sweet, solvent
Odor threshold	: No data available
pH	: 5.06
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	: >93.3 °F (200 °C)
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	: 0.999
Solubility	: Partially miscible
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.

10.5. Incompatible materials

Not compatible with strong acids or bases. Not compatible with strong oxidizers.

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10.6. Hazardous decomposition products

Exposure to extreme heat may release oxide of carbon and nitrogen.

11.1. Information on toxicological effects

Acute toxicity : Not classified

Bonide Dual Action Bedbug Killer RTU	
LD50 oral rat	> 3129 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)

Skin corrosion/irritation : Slight irritation at 72 hours. Irritation Index=0. 80
Serious eye damage/irritation : Practically non-irritating, clearing within 24 hours(Albino rabbits) Maximum Mean Total Score-1.3
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

Not available

12.2. Persistence and degradability

Bonide Dual Action Bedbug Killer RTU	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Bonide Dual Action Bedbug Killer RTU	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

Bonide Dual Action Bedbug Killer RTU	
Ecology - soil	Not established.

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : If empty: Non-refillable container. DO NOT reuse or refill this container. Place in trash or offer for recycling, if available If partially filled: Call local solid waste agency for disposal instructions. Never pour unused product down any indoor or outdoor drain

SECTION 14: Transport information

In accordance with DOT

No dangerous good in sense of transport regulations

Additional information

Other information : No supplementary information available.

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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. Wash hands thoroughly with soap and water after handling and before eating, drinking, and chewing gum, using tobacco or using the toilet. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear long-sleeved shirt and long pants, socks, and shoes.

15.2. International regulations

No additional information available

15.3. US State regulations

No additional information available

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.