



Bonide Dual Action Bedbug Killer

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
Product code : 102125704

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)

Acute toxicity – Inhalation (Dusts/Mists) - Category 4
Skin sensitization – Category 1
Flammable aerosol – Category 2
Gases under pressure – Liquefied gas

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US)



Warning

Signal word (GHS-US)

Hazard statements (GHS-US)

: Harmful if inhaled. May cause allergic skin reaction. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Flammable aerosol. Contains gas under pressure; may explode if heated.

Precautionary statements (GHS-US)

: Acute/Potential Health Effects:
EYES: May cause eye irritation. **SKIN:** May cause mild irritation/sensitization. **INHALATION:** Inhalation of mists or vapors may cause irritation to upper respiratory tract and mucous membranes.
INGESTION: May be irritating to the digestive tract: may cause gastric distress, stomach pains.

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

Bonide Dual Action Bedbug Killer

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Name	Product identifier	%
d-phenothrin	(CAS No) 26002-80-2	0.40
n-Octyl bicycloheptene dicarboximide	(CAS No) 113-48-4	1.00
Imidacloprid	(CAS No) 138261-41-3	0.05
Isobutane	(CAS No) 75-28-5	5< ->15

SECTION 4: First aid measures

4.1. Description of first aid measures

FIRST AID

EYES: 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. Call a poison control center or doctor for treatment advice.

SKIN: 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.

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.

INGESTION: If swallowed, IMMEDIATELY call a poison control center or doctor 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 a doctor. Never give anything by mouth to an unconscious person.

NOTE TO PHYSICIANS: For skin effects, a highly therapeutic agent for Pyrethrin/Pyrethroid exposure is topical application of tocopherol acetate (Vitamin E).

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 : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : Unsuitable extinguishing media: Caution: Use of water spray when fighting fire may be inefficient..

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 : Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Prevent product from entering drains.

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.

Bonide Dual Action Bedbug Killer

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : **HANDLING:** Use this product only in a manner consistent with its labeling. Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition. Take precautionary measures against static discharges. Use park-proof tools and explosion proof equipment. All equipment used when handling the product must be grounded. Use with local exhaust ventilation. Use personal protective equipment as required. Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep container closed in a dry and cool place. Keep in properly labeled containers.
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

ENGINEERING CONTROLS: Safety showers. Eyewash Stations. Ventilation Systems.

Eye Protection: Safety goggles. Face protection shield. **Skin Protection:** Wear protective gloves and protective clothing. **Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for highborne contaminant concentrations. Respiratory protections must be provided in accordance with current local regulations.

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Aerosol – compressed liquefied gas
Appearance : Milky white
Color : Milky white
Odor : Characteristic/sweet/solvent odor
Odor threshold : No data available
pH : 5.0-5.5
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 : >200 °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 : No data available
Solubility : No data available
Log Pow : No data available
Log Kow : No data available
Viscosity : 5.3 cPs @21.1 °C
Explosive properties : No data available
Oxidizing properties : No data available
Explosive limits : No data available

9.2. Other information

No additional information available

Bonide Dual Action Bedbug Killer

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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

Carbon oxides

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological Data:

Oral LD50 (rat) : >5,000 mg/Kg

Dermal LD50 (rabbit) : >5,000mg/Kg

Inhalation LC50: >2.09 mg/l (rat; 4 hours)

Eye contact: Non irritating to eyes (rabbit)

Skin contact: Slightly irritating (rabbit) – Skin irritation index: 0.8

Sensitization: Positive (guinea pig)

Acute effects: May be harmful if swallowed.

Carcinogenicity: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

SECTION 12: Ecological information

Do not discharge effluent containing this product into lakes, streams, ponds estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

SECTION 13: Disposal considerations

DISPOSAL METHOD: Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

RCRA Waste code(s): Not applicable

13.1. Waste treatment methods

SECTION 14: Transport information

In accordance with DOT

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. Wash 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. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

15.1. US Federal regulations

No additional information available

15.2. International regulations

No additional information available

Bonide Dual Action Bedbug Killer

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

15.3. US State regulations

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.