



# 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

Telephone Number: (315) 736-8231  
Comment: Bonide hours of operation are 8:00 a.m. to 4:30 p.m EST.

Website: [www.bonide.com](http://www.bonide.com)

Email address: [sales@bonide.com](mailto:sales@bonide.com)

#### 1.4. Emergency telephone numbers (24 hour)

Medical : SafetyCall - (833) 972-1101  
Spills : 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)

Sensitisation, skin 1 H317  
Acute toxicity - Inhalation 4 H332

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Warning

Hazard statements (GHS-US) :

H317 - May cause an allergic skin reaction.  
H332 - Harmful if inhaled.

Precautionary statements (GHS-US) :

P261 - Avoid breathing mist, vapors, or spray.  
P271 - Use only outdoors or in a well-ventilated area.  
P272 - Contaminated work clothing must not be allowed out of the workplace  
P280 - Wear protective clothing, protective gloves, and eye protection.  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P317 - Get medical help.  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
P333+P317 - If skin irritation or rash occurs: Get medical advice.  
P321 - Specific treatment (see on this label)  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P501 - Dispose of contents/container to in accordance with local and national regulations.

#### 2.3. Other hazards

Possibly harmful to aquatic life. Avoid release to the environment.  
Do not use in conduits, motor housings, junction boxes, switch boxes, or other electrical equipment because of possible shock hazard.

### SECTION 3: Composition/information on ingredients

#### Mixture

| Name         | Product identifier (CAS No) | %    |
|--------------|-----------------------------|------|
| Imidacloprid | 138261-41-3                 | 0.05 |
| D-Phenothrin | 26002-80-2                  | 0.4  |

# 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

| Name  | Product identifier (CAS No) | %            |
|---|-----------------------------|--------------|
| n-octyl bicycloheptene dicarboximide        | 113-48-4                    | 1.0          |
| Distillates (petroleum), hydrotreated light | 26002-80-2                  | 0.01 - 1.00* |

\* The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

### 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).   |
| 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 tocopherol 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.

### 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.

# 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 8: Exposure controls/personal protection

#### 8.1. Control parameters

| Components                                  | CAS #      | Mg/m3       | ppm     | Nonstandard units | Basis    |
|---|------------|-------------|---------|-------------------|----------|
| Distillates (petroleum), hydrotreated light | 64742-47-8 | 1,200 mg/m3 | 152 ppm | --                | Supplier |

#### 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/ Freezing point               | : 32 °F (0 °C)                                      |
| Boiling point                               | : No data available                                 |
| Flash point                                 | : > 93.3 °F (> 200 °C) Method: Tag Closed Cup (TCC) |
| Self ignition temperature                   | : No data available                                 |
| Decomposition temperature                   | : No data available                                 |
| Flammability (solid, gas)                   | : Not flammable                                     |
| Relative density                            | : 0.999 g/cm3 at 20°C                               |
| Solubility                                  | : Partially miscible                                |
| Viscosity, kinematic                        | : No data available                                 |
| Viscosity, dynamic                          | : 6.0 mPa.s   |
| Volatile Organic Compounds (VOC wt.%)       | : 2.6%  |
| Oxidizing properties                        | : Not applicable                                    |

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Stable at normal ambient temperature and pressure. No dangerous reaction known under conditions of normal use.

#### 10.2. Chemical stability

Stable under normal conditions and recommended storage conditions.

#### 10.3. Possibility of hazardous reactions

If accidental mixing of incompatible materials occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.

#### 10.4. Conditions to avoid

Extremely high or low temperatures. Direct sources of heat.

#### 10.5. Incompatible materials

Not compatible with strong acids or bases. Not compatible with strong oxidizers. Do not mix with bleach or other household cleaners.

#### 10.6. Hazardous decomposition products

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

### SECTION 11 : Toxicological Information

#### 11.1. Information on toxicological effects

|                    |                       |
|--------------------|-----------------------|
| LD50 oral rat      | > 3129 mg/kg (Rat)    |
| LC50 inhalation    | > 2.09 mg/l           |
| LD50 dermal rabbit | > 5000 mg/kg (Rabbit) |

# 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

|   |   |
|---|---|
| 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

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

#### 12.2. Persistence and degradability

Not established

#### 12.3. Bioaccumulative potential

Not established

#### 12.4. Mobility in 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

Not regulated for transport by DOT

### 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.

### 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.*