



# Bonide Captain Jack's Deadbug Brew Flower and Vegetable Garden Dust

## 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 Captain Jack's Deadbug Brew Flower and Vegetable Garden Dust  
Product code : 4479

#### 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, LLC  
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)

Specific Target Organ Toxicity (STOT) repeat exposure 2 H373  
Carcinogenicity 2 H351

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Warning  
Hazard statements (GHS-US) : H373 - May cause damage to lungs through prolonged and repeated exposure by inhalation.  
H351 - Suspected of causing cancer by inhalation.  
Precautionary statements (GHS-US) : P203 - Obtain read and follow all safety instructions before use.  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P318 - If exposed or concerned, get medical advice.  
P319 - Get medical help if you feel unwell.  
P405 - Store locked up.  
P501 - Dispose of contents/container to in accordance with local/national regulations.

### SECTION 3: Composition/information on ingredients

#### Mixture

| Name           | Product identifier | %           |
|----------------|--------------------|-------------|
| Spinosad A & D | *                  | 0.001       |
| Limestone**    |                    | 90 - 100*** |

\*Note : Spinosad is comprised of Spinosyn A (CAS # 131929-60-7) and Spinosyn D (CAS # 131929-63-0)

\*\*Crystalline silica (quartz) may be present as a naturally occurring mineral in the ingredients used in this formulation. The respirable portion of crystalline silica in this product is very small, and excessive inhalation is unlikely under normal conditions of use.

\*\*\*Ingredients not listed or listed with a weight % range are considered a trade secret and are withheld under 29 CFR 1910.1200(i).

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### 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   | : Assure fresh air breathing. Obtain medical attention.   |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.                 |
| First-aid measures after eye contact  | : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.                          |
| First-aid measures after ingestion    | : Rinse mouth. Obtain emergency medical attention.  |

#### 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. Signs and symptoms of inhalation may include coughing, gasping, choking and difficulty breathing. |
|-------------------|--|

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treatment should be symptomatic and supportive. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                              |  |
|------------------------------|--|
| Suitable extinguishing media | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
|------------------------------|--|

#### 5.2. Special hazards arising from the substance or mixture

Do not breathe dust.

#### 5.3. Advice for firefighters

|                                |   |
|--------------------------------|---|
| Firefighting instructions      | : Use water spray or fog for cooling exposed containers.  |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. |

### 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 | : 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 | : Large Spill: Do not dry sweep dust. Wet dust with water before sweeping or use a vacuum to collect dust.<br>Small Spill: Vacuum or sweep material and place in a disposal container. |
|-------------------------|--|

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

|                               |   |
|-------------------------------|---|
| Precautions for safe handling | : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. |
|-------------------------------|---|

#### 7.2. Conditions for safe storage, including any incompatibilities

|                    |  |
|--------------------|--|
| Storage conditions | : Keep only in the original container in a cool, well ventilated, dry place away from children. Keep container closed when not in use. |
|--------------------|--|

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Exposure limits are listed below, if they exist.

| Component Regulation | Type of listing | Value/Notation |
|----------------------|-----------------|----------------|
| Spinosad A & D       | Dow IHG TWA     | 0.3 mg/m3      |

Limestone: OSHA - TWA 5 mg/m3 TWA (respirable fraction), 15 mg/m3 TWA (total dust)  
OSHA - Final PELs -TWA 15 mg/m3 TWA

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Crystalline Silica, quartz (impurity): OSHA - TWA OSHA Action level is: 0.025 mg/m3.  
OSHA TWA is: 0.05 mg/m3.  
ACGIH TLV-TWA 8-hr respirable: 0.025 mg/m3  
NIOSH A2 Potential occupational carcinogen  
NIOSH - TWAs 0.05 mg/m3

RECOMMENDATIONS IN THIS SECTION ARE FOR MANUFACTURING, COMMERCIAL BLENDING AND PACKAGING WORKERS. APPLICATORS AND HANDLERS SHOULD SEE THE PRODUCT LABEL FOR PROPER PERSONAL PROTECTIVE EQUIPMENT AND CLOTHING.

### 8.2. Exposure controls

|                               |   |
|-------------------------------|---|
| Personal protective equipment | : Avoid all unnecessary exposure. Provide a good standard of controlled ventilation (10 to 15 air changes per hour).  |
| Hand protection               | : Wear protective gloves.   |
| Eye protection                | : Chemical goggles or safety glasses.   |
| Respiratory protection        | : Wear approved mask. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.  |
| Other information             | : Follow general hygiene considerations recognized as common good workplace practices. The worker should wash daily at the end of each work shift, and prior to eating, drinking, smoking, etc. |

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                           |   |
|---------------------------|---|
| Physical state            | : Solid                                     |
| Appearance                | : White powder.                             |
| Color                     | : White.                                    |
| Odor                      | : Very faint indeterminate chalk-like odor. |
| Odor threshold            | : No data available                         |
| pH                        | : No data available                         |
| Flash point               | : Not applicable                            |
| Flammability (solid, gas) | : Not applicable                            |
| Vapor pressure            | : No data available                         |
| Relative density          | : No data available                         |
| Solubility                | : No data available                         |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Active ingredient decomposes at elevated temperatures.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### Information on Likely Routes of Exposure

Inhalation - Extended inhalation at levels above the workplace limit value can cause irreversible damage to the lungs (silicosis).

Eyes - Avoid contact with eyes. Dust contact with the eyes can lead to mechanical irritation.

Ingestion - Ingestion is not a likely route of exposure

Aspiration hazard - Not an expected route of exposure.

Symptoms related to the physical, chemical and toxicological characteristics - Contact with dust can cause mechanical irritation or drying of the skin. Dust may cause mechanical irritation to eyes. May cause irritation to the mucous membrane of the respiratory tract.

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### 11.1. Information on toxicological effects

#### Acute oral toxicity

Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.  
As product: Single dose oral LD50 has not been determined. Based on information for component(s): Estimated.  
LD50, Rat, > 5,000 mg/kg

#### Acute dermal toxicity

Prolonged skin contact is unlikely to result in absorption of harmful amounts.  
As product: The dermal LD50 has not been determined. Based on information for component(s): Estimated.  
LD50, Rabbit, > 5,000 mg/kg

#### Acute inhalation toxicity

No adverse effects are anticipated from single exposure to dust. Excessive exposure may cause irritation to upper respiratory tract (nose and throat).  
As product: The LC50 has not been determined.

| Limestone     |                  |
|---------------|------------------|
| LD50 oral rat | 6450 mg/kg (Rat) |

| Crystalline Silica, quartz (impurity) |                         |
|---------------------------------------|-------------------------|
| LD50 oral rat & mouse                 | 500 mg/kg (Rat & Mouse) |

Skin corrosion/irritation : Prolonged or repeated contact may dry skin and cause irritation  
Serious eye damage/irritation : Dust may cause mechanical irritation to eyes  
Respiratory or skin sensitization : Causes respiratory tract irritation if inhaled.  
Germ cell mutagenicity : Not classified  
Carcinogenicity :

| Crystalline Silica, quartz (impurity) |                                      |
|---------------------------------------|--------------------------------------|
| IARC group                            | 1 - Carcinogenic to Humans           |
| ACGIH group                           | 2A - Probably Carcinogenic to Humans |

Reproductive toxicity : Not classified  
Specific target organ toxicity (single exposure) : May cause respiratory irritation  
Specific target organ toxicity (repeated exposure) : May cause damage to lungs through prolonged or repeated exposure if inhaled.  
Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Not established.

### 12.2. Persistence and degradability

Not established.

### 12.3. Bioaccumulative potential

Not established.

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Ecology - waste materials : Avoid release to the environment.

## 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:

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CAUTION: May be harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

### 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.*