**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

1.1. **Product identifier**

Product name : Bonide Captain Jacks Deadbug Brew Concentrate  
Product code : 4471

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 Tox. 4 (Inhalation: dust, mist)   H332

2.2. **Label elements**

**GHS-US labeling**

Hazard pictograms (GHS-US) :  
Signal word (GHS-US) : Warning  
Hazard statements (GHS-US) : H332 - Harmful if inhaled  
Precautionary statements (GHS-US) : P261 - Avoid breathing vapors  
P271 - Use only outdoors or in a well-ventilated area  
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P312 - Call a POISON CENTER/doctor/physician if you feel unwell

2.3. **Other hazards**

No additional information available

2.4. **Unknown acute toxicity (GHS-US)**

No data available

**SECTION 3: Composition/information on ingredients**

<table>
<thead>
<tr>
<th>Mixture</th>
<th>Name</th>
<th>Product identifier (CAS No)</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>spinosyd D</td>
<td>131929-63-0</td>
<td>0.15 - 0.5</td>
<td>Not classified</td>
</tr>
<tr>
<td></td>
<td>spinosyd A</td>
<td>131929-60-7</td>
<td>0.15 - 0.5</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

**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. Allow the person to rest.
- **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.
## Bonide Captain Jacks Deadbug Brew Concentrate

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**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. Do NOT induce vomiting. 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.

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media


**Unsuitable extinguishing media**: Do not use a heavy water stream.

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

No additional information available

#### 5.3. Advice for firefighters

**Firefighting instructions**: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

**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

**For non-emergency personnel**

**Emergency procedures**: Evacuate unnecessary personnel.

**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.

### 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. Provide good ventilation in process area to prevent formation of vapor. Use only outdoors or in a well-ventilated area.

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

**Storage conditions**: Keep container tightly closed. Store in original container. Keep container closed when not in use.

**Incompatible products**: Strong bases. Strong acids.

**Incompatible materials**: Sources of ignition.

#### 7.3. Specific end use(s)

No additional information available

### 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.
Bonide Captain Jacks Deadbug Brew Concentrate
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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: Tan liquid
Color: Beige/tan
Odor: Musty
Odor threshold: No data available
pH: 9
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: > 270 °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: 8.43
Density: 1.09 g/ml
Solubility: Disperses in water.
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
Strong acids. Strong bases.

10.6. Hazardous decomposition products
No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity: Harmful if inhaled.
Bonide Captain Jacks Deadbug Brew Concentrate
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<table>
<thead>
<tr>
<th>Bonide Captain Jacks Deadbug Brew Concentrate</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat: &lt; 5000 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rabbit: &gt; 5000 mg/kg</td>
</tr>
<tr>
<td>LC50 inhalation rat (mg/l): &lt; 5 mg/l</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Not classified
(Based on available data, the classification criteria are not met)

Serious eye damage/irritation: Not classified
(Based on available data, the classification criteria are not met)

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. Harmful if inhaled.

SECTION 12: Ecological information

12.1. Toxicity
No additional information available

12.2. Persistence and degradability

Bonide Captain Jacks Deadbug Brew Concentrate
Persistence and degradability: Not established.

12.3. Bioaccumulative potential

Bonide Captain Jacks Deadbug Brew Concentrate
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
In accordance with DOT
No dangerous good in sense of transport regulations

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:

Keep Out of Reach of Children
### 15.1. US Federal regulations

No additional information available

### 15.2. International regulations

No additional information available

### 15.3. US State regulations

No additional information available

### SECTION 16: Other information

Full text of H-phrases: see section 16:

<table>
<thead>
<tr>
<th>Acute Tox. 4 (Inhalation:dust,mist)</th>
<th>Acute toxicity (inhalation:dust,mist) Category 4</th>
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<td>H332</td>
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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.