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

1.1. **Product identifier**
- **Product name**: Bonide Mite X Ready to Use
- **Product code**: 114, 285 - 25B

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)**: Not classified

2.2. **Label elements**
- **GHS-US labeling**: No labeling applicable

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>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cottonseed Oil</td>
<td>(CAS No) 8001-29-4</td>
<td>0.4</td>
<td>Not classified</td>
</tr>
</tbody>
</table>
| Clove Oil     | (CAS No) 8000-34-8 | 0.2 | Acute Tox. 4 (Oral), H302  
|               |                    |     | Acute Tox. 4 (Dermal), H312              |
| Garlic Oil    | (CAS No) 8000-78-0 | 0.1 | Not classified                            |

**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.
- **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: Evacuate area. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.

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: 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.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: 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.

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: Clear white to tan liquid.

Color: White to tan.
### Odor
- Slight Garlic.

### Odor threshold
- No data available

### pH
- 6.5 - 7.5

### Relative evaporation rate (butyl acetate=1)
- No data available

### Melting point
- No data available

### Freezing point
- No data available

### Boiling point
- > 100 °C

### Flash point
- No data available

### 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
- 0.99

### Solubility
- Soluble 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
- Carbon monoxide. Carbon dioxide.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

### Acute toxicity
- Not classified

<table>
<thead>
<tr>
<th>Compound</th>
<th>Oral Rat LD50</th>
<th>Dermal Rabbit LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clove Oil (8000-34-8)</td>
<td>1370 mg/kg</td>
<td>1200 mg/kg</td>
</tr>
</tbody>
</table>

### Skin corrosion/irritation
- Not classified
  - pH: 6.5 - 7.5

### Serious eye damage/irritation
- Not classified
  - pH: 6.5 - 7.5

### 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
No additional information available

#### 12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Product</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bonide Mite X Ready to Use</td>
<td>Not established.</td>
</tr>
<tr>
<td>Clove Oil (8000-34-8)</td>
<td>Biodegradability in water: no data available.</td>
</tr>
</tbody>
</table>

#### 12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Product</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bonide Mite X Ready to Use</td>
<td>Not established.</td>
</tr>
<tr>
<td>Clove Oil (8000-34-8)</td>
<td>No bioaccumulation data available.</td>
</tr>
</tbody>
</table>

#### 12.4. Mobility in soil
No additional information available

#### 12.5. Other adverse effects
Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

<table>
<thead>
<tr>
<th>Category</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waste disposal recommendations</td>
<td>Dispose in a safe manner in accordance with local/national regulations.</td>
</tr>
<tr>
<td>Ecology - waste materials</td>
<td>Avoid release to the environment.</td>
</tr>
</tbody>
</table>

### SECTION 14: Transport information
In accordance with DOT
No dangerous good in sense of transport regulations

### SECTION 15: Regulatory information
This chemical is a pesticide product regulated 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:** Avoid contact with eyes, skin or clothing. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

#### 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
No supplementary information available.

Other information: None.
Bonide Mite X Ready to Use
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Full text of H-phrases: see section 16:

<table>
<thead>
<tr>
<th>Acute Tox. 4 (Dermal)</th>
<th>Acute toxicity (dermal) Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 4 (Oral)</td>
<td>Acute toxicity (oral) Category 4</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H312</td>
<td>Harmful in contact with skin</td>
</tr>
</tbody>
</table>

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.