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

#### 1.1. Product identifier

<table>
<thead>
<tr>
<th>Product name</th>
<th>Bonide Total Pest Control Indoor Formula Concentrate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product code</td>
<td>4350(2)</td>
</tr>
</tbody>
</table>

#### 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

<table>
<thead>
<tr>
<th>Classification (GHS-US)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Flamm. Liq. 2</td>
<td>H225</td>
</tr>
<tr>
<td>Mut. 1B</td>
<td>H340</td>
</tr>
<tr>
<td>Carc. 1B</td>
<td>H350</td>
</tr>
</tbody>
</table>

#### 2.2. Label elements

##### GHS-US labeling

- **Hazard pictograms (GHS-US):**![GHS02](image1.png) ![GHS08](image2.png)
- **Signal word (GHS-US):** Danger
- **Hazard statements (GHS-US):**
  - H225 - Highly flammable liquid and vapor
  - H340 - May cause genetic defects.
  - H350 - May cause cancer.
- **Precautionary statements (GHS-US):**
  - P201 - Obtain special instructions before use
  - P202 - Do not handle until all safety precautions have been read and understood
  - P233 - Keep container tightly closed
  - P240 - Ground/bond container and receiving equipment
  - P242 - Use only non-sparking tools
  - P243 - Take precautionary measures against static discharge
  - P280 - Wear protective gloves/protecting clothing/eye protection
  - P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
  - P308+P313 - IF exposed or concerned: Get medical advice/attention
  - P370+P378 - In case of fire: Use Water fog, foam for extinction
  - P403+P235 - Store in a well-ventilated place. Keep cool
  - P405 - Store locked up
  - P501 - Dispose of contents/container to In accordance with local/national regulations

#### 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

Revision date: 02/18/2016
Bonide Total Pest Control Indoor Formula Concentrate
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent naphtha (petroleum), light aromatic</td>
<td>(CAS No) 64742-95-6</td>
<td>79.2</td>
<td>Flam. Liq. 2, H225</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Mut. 1B, H340</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Carc. 1B, H350</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Asp. Tox. 1, H304</td>
</tr>
<tr>
<td>Permethrin</td>
<td>(CAS No) 52645-53-1</td>
<td>13.3</td>
<td>Not classified</td>
</tr>
<tr>
<td>Naphtha, heavy aromatic</td>
<td>(CAS No) 64742-94-5</td>
<td>6</td>
<td>Skin Irrit. 2, H315</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Asp. Tox. 1, H304</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: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.

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: May cause genetic defects. May cause cancer.

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

Fire hazard: Highly flammable liquid and vapor.

Explosion hazard: May form flammable/explosive vapor-air mixture.

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

General measures: Remove ignition sources. Use special care to avoid static electric charges.

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. Notify authorities if liquid enters sewers or 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

Additional hazards when processed: Keep away from ignition sources.
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 non-sparking tools. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Eliminate all ignition sources if safe to do so.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment.

Storage conditions: Store in original container. Keep in fireproof place. Keep container tightly closed.

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

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: Yellow to brown liquid.

Color: Yellow to brown.

Odor: Mild solvent odor.

Odor threshold: No data available

pH: 5 - 6

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

Melting point: No data available

Freezing point: No data available

Boiling point: 198 - 200 °F

Flash point: 105 °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: 0.91

Solubility: No data available

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. Open flame.

**10.5. Incompatible materials**
Strong acids. Strong bases.

**10.6. Hazardous decomposition products**
Carbon monoxide. Carbon dioxide. May release flammable gases.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Acute toxicity**
- Not classified

**Solvent naphtha (petroleum), light aromatic (64742-95-6)**
- LD50 oral rat: 8400 mg/kg

**Naphtha, heavy aromatic (64742-94-5)**
- LD50 oral rat: > 5000 mg/kg (Rat)
- LD50 dermal rabbit: > 2000 mg/kg (Rabbit)
- LC50 inhalation rat (mg/l): > 5 mg/l/4h (Rat)

**Permethrin (52645-53-1)**
- LD50 oral rat: > 383 mg/kg (Rat)
- LD50 dermal rat: 4000 mg/kg (Rat)
- LD50 dermal rabbit: > 2000 mg/kg (Rabbit)

**Skin corrosion/irritation**
- Not classified
  - pH: 5 - 6

**Serious eye damage/irritation**
- Not classified
  - pH: 5 - 6

**Respiratory or skin sensitization**
- Not classified

**Germ cell mutagenicity**
- May cause genetic defects.

**Carcinogenicity**
- May cause cancer.

**Permethrin (52645-53-1)**
- IARC group: 3 - Not Classifiable

**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

**Naphtha, heavy aromatic (64742-94-5)**
- LC50 fish 1: 2.1 - 4.2 mg/l (96 h; Lepomis macrochirus; Fresh water)
- EC50 Daphnia 1: 0.95 mg/l (48 h; Daphnia magna)
- LC50 fish 2: 2.34 mg/l (96 h; Oncorhynchus mykiss)
- Threshold limit algae 1: 1 mg/l (72 h; Skeletonema costatum; Growth)
12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Substance</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bonide Total Pest Control Indoor Formula Concentrate</td>
<td>Not established.</td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), light aromatic (64742-95-6)</td>
<td>Persistence and degradability: Not established.</td>
</tr>
<tr>
<td>Naphtha, heavy aromatic (64742-94-5)</td>
<td>Persistence and degradability: Not readily biodegradable in water.</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Substance</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bonide Total Pest Control Indoor Formula Concentrate</td>
<td>Not established.</td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), light aromatic (64742-95-6)</td>
<td>Bioaccumulative potential: Not established.</td>
</tr>
<tr>
<td>Naphtha, heavy aromatic (64742-94-5)</td>
<td>Bioaccumulative potential: Bioaccumable.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>BCF fish 1</th>
<th>BCF fish 2</th>
<th>BCF other aquatic organisms 1</th>
<th>BCF other aquatic organisms 2</th>
<th>Log Pow</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permethrin (52645-53-1)</td>
<td>560</td>
<td>480</td>
<td>0.1 mg/l (&gt;24 h; Algae)</td>
<td>1900 (Ostreidae)</td>
<td>2.1 - 6</td>
<td>High potential for bioaccumulation (Log Kow &gt; 5).</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

<table>
<thead>
<tr>
<th>Substance</th>
<th>Ecology - soil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permethrin (52645-53-1)</td>
<td>Toxic to bees.</td>
</tr>
</tbody>
</table>

12.5. Other adverse effects

<table>
<thead>
<tr>
<th>Substance</th>
<th>Other information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bonide Total Pest Control Indoor Formula Concentrate</td>
<td>Avoid release to the environment.</td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), light aromatic (64742-95-6)</td>
<td></td>
</tr>
<tr>
<td>Naphtha, heavy aromatic (64742-94-5)</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 13: Disposal considerations

13.1. Waste treatment methods

<table>
<thead>
<tr>
<th>Substance</th>
<th>Waste disposal recommendations</th>
<th>Additional information</th>
<th>Ecology - waste materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bonide Total Pest Control Indoor Formula Concentrate</td>
<td>Dispose in a safe manner in accordance with local/national regulations.</td>
<td>Handle empty containers with care because residual vapors are flammable.</td>
<td>Avoid release to the environment.</td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), light aromatic (64742-95-6)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Naphtha, heavy aromatic (64742-94-5)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION 14: Transport information

In accordance with DOT
No dangerous good in sense of transport regulations

<table>
<thead>
<tr>
<th>Substance</th>
<th>Additional information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent naphtha (petroleum), light aromatic (64742-95-6)</td>
<td></td>
</tr>
<tr>
<td>Naphtha, heavy aromatic (64742-94-5)</td>
<td></td>
</tr>
</tbody>
</table>

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:
**WARNING**

Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear goggles or safety glasses. Avoid contact with skin. Prolonged or frequently repeated skin contact may cause allergic skin reactions in some individuals. 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.

**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**

Other information : None.

Full text of H-phrases: see section 16:

<table>
<thead>
<tr>
<th>H-Phrase</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asp. Tox. 1</td>
<td>Aspiration hazard Category 1</td>
</tr>
<tr>
<td>Carc. 1B</td>
<td>Carcinogenicity Category 1B</td>
</tr>
<tr>
<td>Flam. Liq. 2</td>
<td>Flammable liquids Category 2</td>
</tr>
<tr>
<td>Muta. 1B</td>
<td>Germ cell mutagenicity Category 1B</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation Category 2</td>
</tr>
<tr>
<td>H225</td>
<td>Highly flammable liquid and vapor</td>
</tr>
<tr>
<td>H304</td>
<td>May be fatal if swallowed and enters airways</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H340</td>
<td>May cause genetic defects</td>
</tr>
<tr>
<td>H350</td>
<td>May cause cancer</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.