# Bonide Pruning Sealer 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

<table>
<thead>
<tr>
<th>Product name</th>
<th>Bonide Pruning Sealer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product code</td>
<td>225</td>
</tr>
</tbody>
</table>

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

### 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)**

- Flam. Liq. 2 H225
- STOT SE 1 H370
- STOT RE 1 H372

### 2.2. Label elements

#### GHS-US labeling

**Hazard pictograms (GHS-US):**

- GHS02
- GHS08

**Signal word (GHS-US):** Danger

**Hazard statements (GHS-US):**

- H225 - Highly flammable liquid and vapor
- H370 - Causes damage to organs.
- H372 - Causes damage to organs through prolonged or repeated exposure.

**Precautionary statements (GHS-US):**

- P210 - Keep away from sparks/ignition sources. - No smoking
- 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
- P260 - Do not breathe vapours
- P264 - Wash hands thoroughly after handling
- P270 - Do not eat, drink or smoke when using this product
- P280 - Wear gloves/eye protection
- P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- P314 - Get medical advice and attention if you feel unwell
- P321 - Specific treatment (see first aid section on this label)
- P370+P378 - In case of fire: Use Dry chemical, CO2, water spray or regular 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**

<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), medium aliph.</td>
<td>(CAS No) 64742-88-7</td>
<td>15 - 20</td>
<td>STOT RE 1, H372, Asp. Tox. 1, H304</td>
</tr>
<tr>
<td>Hydrous Amuminum Silicate</td>
<td>(CAS No) 1335-30-4</td>
<td>8 - 12</td>
<td>Not classified</td>
</tr>
<tr>
<td>Methanol</td>
<td>(CAS No) 67-56-1</td>
<td>2 - 4</td>
<td>Flam. Liq. 2, H225, Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:dust,mist), H331 STOT SE 1, H370</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. Call a POISON CENTER or doctor/physician.

First-aid measures after inhalation:

Remove to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact:

Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.

First-aid measures after eye contact:

Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. 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:

Causes damage to organs through prolonged or repeated exposure.

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

No additional information available.

**SECTION 5: Firefighting measures**

5.1. Extinguishing media

Suitable 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. Avoid breathing vapours.

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**
- Handle empty containers with care because residual vapors are flammable.
- Additional hazards when processed.
- 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. Do not breathe vapours.

7.2. **Conditions for safe storage, including any incompatibilities**
- Storage conditions: Store in original container. Keep in fireproof place. Keep container tightly closed.
- 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**

<table>
<thead>
<tr>
<th>Methanol (67-56-1)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>USA ACGIH</td>
<td>ACGIH TWA (ppm)</td>
</tr>
<tr>
<td>USA ACGIH</td>
<td>ACGIH STEL (ppm)</td>
</tr>
</tbody>
</table>

8.2. **Exposure controls**
- Hand protection: Wear protective gloves.
- Eye protection: Chemical goggles or safety glasses.
- Respiratory protection: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.
- 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: Black Viscous liquid.
- Color: Black.
- Odor: Petroleum Solvent.
- Odor threshold: No data available
- pH: No data available
- 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: > 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: 1.11
- Solubility: Negligible.
- Log Pow: No data available
- Log Kow: No data available
- Viscosity, kinematic: No data available
- Viscosity, dynamic: No data available
Bonide Pruning Sealer
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| Explosive properties          | : No data available |
| Oxidizing properties          | : No data available |
| Explosive limits              | : No data available |

9.2. Other information
VOC content : 14 %

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), medium aliph. (64742-88-7)**
- LD50 oral rat : > 5000 mg/kg body weight (Rat; Equivalent or similar to OECD 420; Experimental value)
- LD50 dermal rabbit : > 2000 mg/kg body weight (Rabbit; Experimental value; Equivalent or similar to OECD 402)

**Methanol (67-56-1)**
- LD50 oral rat : > 5000 mg/kg (Rat; BASF test; Literature study; 1187-2769 mg/kg bodyweight; Rat; Weight of evidence)
- LD50 dermal rabbit : 15800 mg/kg (Rabbit; Literature study)
- LC50 inhalation rat (mg/l) : 85 mg/l/4h (Rat; Literature study)
- LC50 inhalation rat (ppm) : 64000 ppm/4h (Rat; Literature study)

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : Causes damage to organs.

Specific target organ toxicity (repeated exposure) : Causes damage to organs through prolonged or repeated exposure.

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

**Solvent naphtha(petroleum), medium aliph. (64742-88-7)**
- Threshold limit algae 1 : 1 - 3,72 h; Pseudokirchneriella subcapitata; Cell numbers
**Bonide Pruning Sealer**

Safety Data Sheet

---

**12.2. Persistence and degradability**

<table>
<thead>
<tr>
<th>Component</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bonide Pruning Sealer</strong></td>
<td>Not established.</td>
</tr>
<tr>
<td><strong>Solvent naphtha(petroleum), medium aliph. (64742-88-7)</strong></td>
<td>Readily biodegradable in water. Adsorbs into the soil.</td>
</tr>
<tr>
<td><strong>Hydrous Amuminum Silicate (1335-30-4)</strong></td>
<td>Biodegradability in soil: not applicable. No (test)data on mobility of the components available.</td>
</tr>
</tbody>
</table>

**12.3. Bioaccumulative potential**

<table>
<thead>
<tr>
<th>Component</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bonide Pruning Sealer</strong></td>
<td>Not established.</td>
</tr>
<tr>
<td><strong>Solvent naphtha(petroleum), medium aliph. (64742-88-7)</strong></td>
<td>No bioaccumulation data available.</td>
</tr>
<tr>
<td><strong>Hydrous Amuminum Silicate (1335-30-4)</strong></td>
<td>No bioaccumulation data available.</td>
</tr>
<tr>
<td><strong>Methanol (67-56-1)</strong></td>
<td>Low potential for bioaccumulation (BCF &lt; 500).</td>
</tr>
</tbody>
</table>

**12.4. Mobility in soil**

<table>
<thead>
<tr>
<th>Component</th>
<th>Surface tension</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Methanol (67-56-1)</strong></td>
<td>0.023 N/m (20 °C)</td>
</tr>
</tbody>
</table>

**12.5. Other adverse effects**

Other information: Avoid release to the environment.

---

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

<table>
<thead>
<tr>
<th>Treatment Method</th>
<th>Disposal Considerations</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Waste disposal recommendations</strong></td>
<td>Dispose in a safe manner in accordance with local/national regulations.</td>
</tr>
<tr>
<td><strong>Additional information</strong></td>
<td>Handle empty containers with care because residual vapors are flammable.</td>
</tr>
<tr>
<td><strong>Ecology - waste materials</strong></td>
<td>Avoid release to the environment.</td>
</tr>
</tbody>
</table>
Bonide Pruning Sealer
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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

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>Acute Tox. 3 (Dermal)</th>
<th>Acute toxicity (dermal) Category 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 3 (Inhalation:dust,mist)</td>
<td>Acute toxicity (inhalation:dust,mist) Category 3</td>
</tr>
<tr>
<td>Acute Tox. 3 (Oral)</td>
<td>Acute toxicity (oral) Category 3</td>
</tr>
<tr>
<td>Asp. Tox. 1</td>
<td>Aspiration hazard Category 1</td>
</tr>
<tr>
<td>Flam. Liq. 2</td>
<td>Flammable liquids Category 2</td>
</tr>
<tr>
<td>STOT RE 1</td>
<td>Specific target organ toxicity (repeated exposure) Category 1</td>
</tr>
<tr>
<td>STOT SE 1</td>
<td>Specific target organ toxicity (single exposure) Category 1</td>
</tr>
<tr>
<td>H225</td>
<td>Highly flammable liquid and vapor</td>
</tr>
<tr>
<td>H301</td>
<td>Toxic if swallowed</td>
</tr>
<tr>
<td>H304</td>
<td>May be fatal if swallowed and enters airways</td>
</tr>
<tr>
<td>H311</td>
<td>Toxic in contact with skin</td>
</tr>
<tr>
<td>H331</td>
<td>Toxic if inhaled</td>
</tr>
<tr>
<td>H370</td>
<td>Causes damage to organs</td>
</tr>
<tr>
<td>H372</td>
<td>Causes damage to organs through prolonged or repeated exposure</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.