SOAP-SHIELD®
Flowable Liquid Copper Fungicide

Active Ingredient:
Copper Octanoate (Copper Soap) ......................... 10.0%
Inert Ingredients ........................................ 90.0%
Total .......................................................... 100.0%
metallic copper equivalent ................................. 1.8%

EPA Registration No.: 67702-2-56872
EPA Establishment No.: 56872-IN-1

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Caution: Harmful if swallowed, absorbed through skin or inhaled. Wash thoroughly with soap and water after handling. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Remove contaminated clothing and wash clothing before reuse.

Environmental Hazards

This product may be toxic to fish and aquatic organisms. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

U.S. Patent No.: 5,246,716

NET CONTENTS 16 fl. Oz.

MANUFACTURED BY:
Gardens Alive® Inc.
5100 Schenley Place
Lawrenceburg, IN 47025
Phone 513-354-1483
www.GardensAlive.com

FIRST AID

IF IN EYES
-Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
-Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING
-Take off contaminated clothing.
-Rinse skin immediately with plenty of water for 15-20 minutes.
-Call a poison control center or doctor for treatment advice.

IF SWALLOWED
-Call a poison control center or doctor immediately for treatment advice.
-Have person sip a glass of water if able to swallow.
-Do not induce vomiting unless told to do by a poison control center or doctor.
-Do not give anything by mouth to an unconscious person.

IF INHALED
-Move person to fresh air.
-If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
-Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

See Attached Booklet for Additional Precautionary Statements

STORAGE AND DISPOSAL

Pesticide Storage: Store in a secure place, away from open fire or flame. Keep container closed and reseal after use. Product may be damaged by freezing. Do not store product below 4°C. If spilled, use absorbent materials and dispose of in an approved manner.

Pesticide Disposal:
Nonrefillable container. Do not reuse or refill this container.
If empty: Place in trash or offer for recycling if available.
If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

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#8066
## Directions for Use on Ornamentals and Turf - Diseases Controlled, Listed by Plant:

<table>
<thead>
<tr>
<th>Ornamental Plant</th>
<th>Common Name</th>
<th>Diseases Controlled</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Achillea filipendula</strong></td>
<td>Yarrow</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight</td>
</tr>
<tr>
<td><strong>Agastache foeniculum</strong></td>
<td>Anise hyssop</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight</td>
</tr>
<tr>
<td><strong>Agapanthes speciosus</strong></td>
<td>Blue lily</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
<tr>
<td><strong>Allium sativum</strong></td>
<td>Onion</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
<tr>
<td><strong>Alstroemeria aurea</strong></td>
<td>Peruvian lily</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
<tr>
<td><strong>Asparagus officinalis</strong></td>
<td>Asparagus</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
<tr>
<td><strong>Buddleja davidii</strong></td>
<td>Butterfly bush</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
<tr>
<td><strong>Ceanothus grindelwaldi</strong></td>
<td>Common ceanothus</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
<tr>
<td><strong>Cercidiphyllum japonicum</strong></td>
<td>Redbud</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
<tr>
<td><strong>Chrysanthemum lucidum</strong></td>
<td>Chinese chrysanthemum</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
<tr>
<td><strong>Convolvulus arvensis</strong></td>
<td>Soapwort</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
<tr>
<td><strong>Euphorbia marginata</strong></td>
<td>Spurge</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
<tr>
<td><strong>Euphorbia myrsinites</strong></td>
<td>Myrtle spurge</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
<tr>
<td><strong>Fragaria vesca</strong></td>
<td>Alpine strawberry</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
<tr>
<td><strong>Fuchsia carica</strong></td>
<td>Fig</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
<tr>
<td><strong>Gleditsia triacanthos</strong></td>
<td>Honey locust</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
<tr>
<td><strong>Hemerocallis fulva</strong></td>
<td>Daylily</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
<tr>
<td><strong>Hydrangea arborescens</strong></td>
<td>Smooth hydrangea</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
<tr>
<td><strong>Ilex aquifolium</strong></td>
<td>Holly</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
<tr>
<td><strong>Lonicera periclymenum</strong></td>
<td>Honeysuckle</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
<tr>
<td><strong>Mimulus guttatus</strong></td>
<td>Monkey flower</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
<tr>
<td><strong>Myrtus communis</strong></td>
<td>Gooseberry</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
<tr>
<td><strong>Phlox paniculata</strong></td>
<td>Phlox</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
<tr>
<td><strong>Picea abies</strong></td>
<td>Norway spruce</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
<tr>
<td><strong>Prunus serotina</strong></td>
<td>Black cherry</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
<tr>
<td><strong>Rosa rugosa</strong></td>
<td>Rugosa rose</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
<tr>
<td><strong>Sambucus nigra</strong></td>
<td>Elderberry</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
<tr>
<td><strong>Sorbus aucuparia</strong></td>
<td>Mountain ash</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
<tr>
<td><strong>Stachys byzantina</strong></td>
<td>Lamb's ear</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
<tr>
<td><strong>Tilia americana</strong></td>
<td>American basswood</td>
<td>Anthracnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot</td>
</tr>
</tbody>
</table>

## Directions for use on Ornamentals and Turf

- **Disease Controlled**: Needle blight, Black spot, Downy mildew, Gray mold (Botrytis), Powdery mildew, Rust
- **Application Notes**: Mix at a rate of 0.5 to 2.0 fluid ounces of Soap-Shield with 1 gallon of water. Spray until leaves are thoroughly wet with spray. Apply when new growth is just emerging.

- **Disease Controlled**: Anthracnose leaf spot, Blackspot, Downy mildew, Gray mold (Botrytis), Leaf spot, Powdery mildew, Rust
- **Application Notes**: Mix at a rate of 0.5 to 2.0 fluid ounces of Soap-Shield with 1 gallon of water. Spray until leaves are thoroughly wet with spray. Apply when new growth is just emerging.

## Directions for Use on Fruits and Vegetables

- **Disease Controlled**: Anthracnose leaf spot, Bacterial leaf spot, Botrytis, Downy mildew, Powdery mildew, Soft rot, Rust
- **Application Notes**: Mix at a rate of 0.5 to 2.0 fluid ounces of Soap-Shield with 1 gallon of water. Spray until leaves are thoroughly wet with spray. Apply when new growth is just emerging.

## Directions for use on Fruits and Vegetables

- **Disease Controlled**: Blackspot, Downy mildew, Gray mold (Botrytis), Leaf spot, Powdery mildew, Rust
- **Application Notes**: Mix at a rate of 0.5 to 2.0 fluid ounces of Soap-Shield with 1 gallon of water. Spray until leaves are thoroughly wet with spray. Apply when new growth is just emerging.

The ornamental and turf species listed may be treated with SOAP SHIELD. Unless otherwise stated, mix 0.5 to 2.0 fluid ounces in one gallon of water and spray all plant surfaces thoroughly. When necessary, repeat sprays every 7 to 10 days. SOAP SHIELD may cause some copper toxicity on some ornamental species. Before spraying a specific plant species, consult your State Experiment Station or make a test spray.
Directions for Use on Fruits and Vegetables (Cont’d)

**Pome Fruit Trees (Apple, Pear, Quince)**

**Antirrhinum leaf and fruit spot**

Apply as needed.

**Cherry Apple Rust, Gooseberry Rust**

The disease may also be reduced by removing nearby eastern red cedar plants (Juniperus virginiana). On juniper, cherry tree rust can be controlled by spraying with a commercial fungicide such as Captan per gallon of water.

**Fireblight**

Spray at full bloom and again when fruit are about pea size. Apply at least 3 times between late August and late October.

**Bush, Spur Bunch, Pruneuck (fruit and leaf spot)**

Time up to blossoms drop. Use after blossoms drop will cause reversion.

**Small Fruits (Blackberry, Blueberry, Raspberry, Strawberry)**

**Antirrhinum leaf and fruit spot**, **Broccocula**, **Mose fruit rot**

Apply at the start of flowering and continue every 7 to 10 days until harvest.

**Stone Fruit Trees (Almond, Apricot, Cherry, Nectarine, Peach, Plum)**

**Antirrhinum leaf and fruit spot**

Apply at the start of flowering and continue every 7 to 10 days until harvest.

**Strawberry**

**Antirrhinum leaf spot**, **Leaf scorch**, **Myxophyrex leaf spot**, **Pomposis leaf blight**, **Powdery mildew**, **Septoria leaf spot**

Apply at the start of flowering and continue every 7 to 10 days until harvest.

**Tobacco**

**Blue Mold (Downy Mildew)**

**Tomato, Potato, Eggplant, Pepper**

**Antirrhinum leaf and fruit spot**, **Bacterial spot**, **Cercospora leaf spot**, **Early blight**, **Gray mold**, **Late blight**, **Leaf mold**, **Septoria leaf spot**

**Wilt**

**Blight**

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**NOTICE TO BUYER**

To the extent consistent with applicable law, Seller warrants that this product conforms to the chemical description on this label and is reasonably fit for purposes stated on this label only when used in accordance with directions under normal use conditions. This warranty does not extend to use of this product contrary to label directions, or under abnormal use conditions, or under conditions not reasonably foreseeable to buyer. To the extent consistent with applicable law, buyer assumes all risks of any such use. Seller makes no other warranties, either expressed or implied.

Registrator: W. Neudorff GmbH KG, Postfach 1209, An der Mühle 3, D-31860 Emmerthal, Germany

U.S. Patent Number: 5,246,716

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**SOAP-SHIELD®**

Active ingredient:

Copper Osmium (Copper Salt) 1.75%

Formulation:

10.25%

Metallic copper equivalent: 100%

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**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**FIRST AID**

**IF IN EYES**

Hold eye open and rinse slowly and gently with water for at least 15 minutes. Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**IF ON SKIN OR CLOTHING**

Take off contaminated clothing. Rinse skin immediately with plenty of water for at least 15 minutes. Call a poison control center or doctor for treatment advice.

**IF SWALLOWED**

Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting. Give one or two glasses of water; do not give anything else to drink. Do not give anything by mouth to an unconscious person.

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**PRECAUTIONARY STATEMENTS**

**HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS**

**GARMENTS**

Wear work clothes, overalls, and work boots. Wash thoroughly with soap and water after handling. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Do not store or carry in equipment clothing and wash clothes before reuse.

**ENVIRONMENTAL HAZARDS**

Avoid contact with water. Wash hands and face thoroughly after handling. Do not use over water or near swimming pools. Do not contaminate water, food, or feed by storage or disposal. Do not contaminate water by allowing product to enter the water system or any surface water source.

**STORAGE AND DISPOSAL**

Pesticide Storage: Store in a secure location away from open fire or flames. Keep container closed and sealed after use. Product may be damaged by freezing. Do not burn in disposal. Do not store in or near homes or food storage areas.

**DIRECTIONS FOR USE**

All use of Federal Law is required to use this product in a manner prescribed by the label with the label instructions. Read and follow all applicable directions and precautions on this label before using.

**Application Directions**

Shake well before use. Most conventional liquid推送lllizer plant sprayers can be used to apply Soap-Shield to plants.

**Use Soap-Shield on vegetables, fruits, nuts, etc.**

To control plant problems, place a small amount of Soap-Shield on the leaves of the plant with a paintbrush and then apply water to the leaf with a brush. The soap-shield solution will stick to the leaves and kill insects and other pests. The soap-shield solution will not damage the plant leaves and will be safe for all ages.

To control weeds, place a small amount of Soap-Shield on the stems of the weed with a paintbrush. The soap-shield solution will stick to the stems and kill the weed. The soap-shield solution will not damage the plants and will be safe for all ages.