

# Green-Shield<sup>®</sup> II

## Disinfectant & Algicide

### ACTIVE INGREDIENTS:

Alkyl (60% C<sub>14</sub>, 30% C<sub>16</sub>, 5% C<sub>12</sub>, 5% C<sub>18</sub>) Dimethyl Benzyl Ammonium Chloride . . . . . 10.0%  
Alkyl (68% C<sub>12</sub>, 32% C<sub>14</sub>) Dimethyl Ethylbenzyl Ammonium Chloride . . . . . 10.0%

**OTHER INGREDIENTS:** . . . . . 80.0%

**TOTAL:** . . . . . 100.0%

EPA Reg. No. 10324-94-7969

EPA Est. No. 7969-MO-1

**KEEP OUT OF REACH OF CHILDREN  
DANGER PELIGRO**

See back panel for additional precautionary statements.

**SI USTED NO ENTIENDE LA ETIQUETA, BUSQUE A ALGUIEN  
PARA QUE SE LA EXPLIQUE A USTED EN DETALLE.  
IF YOU DO NOT UNDERSTAND THE LABEL, FIND SOMEONE  
TO EXPLAIN IT TO YOU IN DETAIL.**

### FIRST AID

In case of emergency, call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**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.

**If on skin** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

**If swallowed** Have person sip a glass of water if able to swallow. **DO NOT** induce vomiting unless told to do so by a poison control center or doctor. **DO NOT** give anything by mouth to an unconscious person. Call a poison control center or doctor immediately for treatment advice.

**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.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

For medical emergencies, call BASF Corporation: 1-800-832-HELP (4357).

### Net Contents:

BASF Corporation  
26 Davis Drive  
Research Triangle Park, NC 27709

  
We create chemistry

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## PRECAUTIONARY STATEMENTS

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### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER.** Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing spray mist. **DO NOT** get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

### PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear coveralls worn over long-sleeved shirt and long pants, waterproof gloves, chemical-resistant footwear and socks, protective eyewear, chemical-resistant headgear when using this product for algae control in overhead watering system and chemical-resistant apron when mixing, loading or cleaning equipment. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with the product's concentrate. **DO NOT** reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS
Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

### ENVIRONMENTAL HAZARDS

*(If container is equal to or greater than 5 gal., the following statement must appear on the label.)*

This product is toxic to fish and aquatic invertebrates. **DO NOT** discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. **DO NOT** discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

*(If container is less than 5 gal., use the following as an alternate to the above statement.)*

This product is toxic to fish and aquatic invertebrates.

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## GENERAL DISINFECTION PERFORMANCE

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This product kills the following bacteria in 10 minutes at 1.5 oz. per 5 gal. of water (469 ppm active) and 5% soil on hard, non-porous surfaces:

*Salmonella enterica*  
*Staphylococcus aureus*

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## DIRECTIONS FOR USE

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It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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## GENERAL DISINFECTION

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### FOR USE AS A GENERAL DISINFECTANT ON HARD, NON-POROUS SURFACES:

1. Pre-clean heavily soiled areas.
2. Apply use solution of 1.5 oz. of this product per 5 gal. of water (or equivalent use dilution) (469 ppm active) to hard, non-porous surfaces using a sponge, brush, cloth, mop, auto scrubber, mechanical spray device, hand pump trigger spray device, coarse trigger spray device. For spray applications, spray 6-8 inches from surface. **DO NOT** breathe spray.
3. Treated surfaces must remain wet for 10 minutes.
4. Wipe dry or allow to air dry.
5. Prepare a fresh solution daily or when visibly dirty.

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## OTHER USES

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**WORK AREAS AND BENCHES, POTS, FLATS AND FLOWER BUCKETS, CUTTING TOOLS:** Pre-clean surfaces. Spray or swab hard, non-porous working surfaces or soak cutting edge of tool with a solution of 1.5 oz. of this product per 5 gal. of water (or equivalent use dilution) before each work period and again after each plant is completed to help control transfer of diseases such as *Botrytis*, crown rot, downy mildew, *Erwinia* and root rot<sup>†</sup>. Allow surface to remain wet for 10 minutes. To apply solution as a sprayer application, use as a coarse spray only and spray 6-8 inches from surface. **DO NOT** breathe spray. Wipe up excess liquid or allow to air dry. Dry and oil tools at the end of each workday. Prepare a fresh solution daily or when visibly dirty. (†Not for use in CA.)

**FLORIST USE DIRECTIONS:** To clean, disinfect and deodorize hard, non-porous surfaces, prepare use solution of 1.5 oz. of this product per 5 gal. of water (or equivalent use dilution). For heavy-duty use, add 3 oz. of this product per 5 gal. of water (or equivalent use dilution). Remove all leaves, petals, garbage and refuse. Pre-clean surfaces using pressurized water where possible. Apply use solution to hard, non-porous surfaces, thoroughly wetting surfaces as required, with a cloth, mop, brush, sponge, auto scrubber, mechanical spray device, hand pump trigger spray device, coarse trigger spray device. For sprayer applications, spray 6-8 inches from surface. **DO NOT** breathe spray. Rub with brush, sponge, mop or cloth. Treated

surfaces must remain wet for 10 minutes. Wipe up excess or allow to air dry. Change cloth, sponge or towels frequently to avoid re-deposition of soil. Prepare a fresh solution daily or when visibly dirty.

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## ALGAE TREATMENT (Not for use in CA.)

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### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40CFR170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Keep children and pets out of the treated area until sprays have dried.

**GREENHOUSE GLASS** (Not for use in CA.): Spray or swab hard, non-porous surfaces with a solution of 1.5 oz. of this product per 5 gal. of water (or equivalent use dilution). Allow to air dry. Wash off dead algae with water. Spray clean surface again with the solution. **DO NOT** rinse. For sprayer applications, use as a coarse spray only. Allow surfaces to remain wet for 10 minutes then air dry. Prepare a fresh solution daily or when visibly dirty.

**WALKWAYS** (Not for use in CA.): This product will inhibit the growth of algae on hard, non-porous walkways. For heavy infestations, spray or swab surface with a solution of 1.5 oz. of this product per 5 gallons of water (or equivalent use dilution). Let stand for an hour or more then brush and wash away dead algae. Soak area again with the solution. **DO NOT** rinse. Allow to dry on the surface and repeat application when algae growth returns. For sprayer applications, use as a coarse spray only. Allow surfaces to remain wet for 10 minutes then air dry. Prepare a fresh solution daily or when visibly dirty.

**FOUNTAINS, WATER DISPLAYS, DECORATIVE AND SWIMMING POOLS/PONDS AND STANDING WATER** (Not for use in CA.): **DO NOT** use when fish are present. Remove floating type algae by raking, dragging with cable or chain, skimming, or any other suitable method. It is more economical to remove floating type algae before the water is treated. Treat water by “dribbling” this product using 1 part to 4 parts water (or equivalent use dilution) around the edges where visible algae growth is evident. Apply 12 ounces of use solution per 1000 gallons of water (or equivalent use dilution). The use solution is often dribbled liberally along the windward side to float across the water and along the leeward side where contamination gathers. Where a spray rig is available, it may be used to apply the use solution instead of the hand “dribbling” method.

**NOTE:** Algae does not usually grow in water that is 5 feet or more in depth. However, floating type algae may grow on pond weeds that grow on the surface of the water.

Spray from fountains treated with this product will not harm poolside plantings. **DO NOT** use when fish are present.

## DECORATIVE POOL APPLICATIONS

(Not for use in CA.):

### Initial Dosage:

- 0.17 oz. per 52 gallons of water (5 ppm active)
- 1 oz. per 312 gallons of water (5 ppm active)
- 1 pint per 5,000 gallons of water (5 ppm active)
- 0.5 quart per 10,000 gallons of water (5 ppm active)

**Weekly Maintenance:** Add not more than one-half the initial dosage. When pool is to remain empty for several weeks or longer, spray exposed surfaces with a solution of 0.17 oz. of this product per gallon of water (or equivalent use dilution).

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## COMMERCIAL FLORIST

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**DO NOT** apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirement specific to your State and Tribe, consult the State/Tribal agency responsible for pesticide regulation.

**COMMERCIAL FLORIST USE DIRECTIONS:** To clean, disinfect and deodorize hard, non-porous surfaces, prepare use solution of 1.5 oz. of this product per 5 gal. of water (or equivalent use dilution). For heavy-duty use, add 3 oz. of this product per 5 gal. of water (or equivalent use dilution). Remove all leaves, petals, garbage and refuse. Pre-clean surfaces using pressurized water where possible. Apply use solution to hard, non-porous surfaces, thoroughly wetting surfaces as required, with a cloth, mop, brush, sponge, auto scrubber, mechanical spray device, hand pump trigger spray device, coarse trigger spray device. For sprayer applications, spray 6-8 inches from surface.

**DO NOT** breathe spray. Rub with brush, sponge, mop or cloth. Treated surfaces must remain wet for 10 minutes. Wipe up excess or allow to air dry. Change cloth, sponge or towels frequently to avoid re-deposition of soil. Prepare a fresh solution daily or when visibly dirty.

**CHEMIGATION: DO NOT** apply this product through any type of irrigation system except when used to control algae in nozzles as directed on this label.

**OVERHEAD WATERING SYSTEMS:** During the last 2-3 minutes of watering use 0.5 oz. of this product per 20 gal. of water (or equivalent use dilution) as a control program. Due to variations of growing conditions, use every second to fourth watering. Will control algae in nozzles.

**EVAPORATIVE COOLER** (Not for use in CA): Controls algae, slime forming fungi on cooler pads and certain fungal plant pathogens that may carry over in the cooler as well as bacterial odors. Use 1 teaspoon of this product per 15 gal. of water (or equivalent use dilution) every other week.

## STORAGE AND DISPOSAL

**DO NOT** contaminate water, food, or feed by storage and disposal.

### **PESTICIDE STORAGE:**

Store only in original container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

### **PESTICIDE DISPOSAL:**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

### **CONTAINER HANDLING:**

*For non-refillable containers equal to or less than 5 gal.*

Non-Refillable Container. **DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Fill the container  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

*For non-refillable containers greater than 5 gal.*

Non-Refillable Container. **DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Fill the container  $\frac{1}{4}$  full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip back and forth several times. Turn the container over onto its other end and tip back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

## Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions for use of this product are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as environmental conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer. BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW: (A) BASF MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY, (B) BUYER'S EXCLUSIVE REMEDY AND BASF'S AND SELLER'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT, AND (C) BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, INCIDENTAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.** BASF and the Seller offer this product, and the Buyer and User accept it, subject to these **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

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