

100%
1 gal Booklet (base page) - 5.375" (w) x 5.5" (h)
Applied to front of bottle



STATE OF HAWAII
Department of Agriculture

ACCEPTED

LICENSE NO.
9131.201

DISCONTINUED

Green-Shield®

Disinfectant & Algicide

THIS PRODUCT IS A CONCENTRATE AND MUST BE DILUTED BEFORE USING

ACTIVE INGREDIENTS:

n-Alkyl (60% C₁₄, 30% C₁₆, 5% C₁₂, 5% C₁₈) dimethyl benzyl ammonium chloride 10.0%
n-Alkyl (68% C₁₂, 32% C₁₄) dimethyl ethylbenzyl ammonium chloride 10.0%

OTHER INGREDIENTS: 80.0%

TOTAL: 100.0%

EPA Reg. No. 499-368

EPA Est. No. 7969-MO-1

KEEP OUT OF REACH OF CHILDREN
DANGER

See back panel/inside booklet for First Aid, Precautionary Statements,
Directions for Use and Storage and Disposal.

NET CONTENTS: 1 gal

BASF Corporation
26 Davis Drive, Research Triangle Park, NC 27709

NVA 2013-05-419-0370 81040453 30472219


BASF
The Chemical Company



100%
 1 gal Booklet (cover page) - 5.375" (w) x 5.5" (h)
 Applied to front of bottle on top of booklet base

100%
 1 gal Booklet (page 2) - 5.375" (w) x 5.5" (h)

NOTE: Same size and application on the following 2 PDF pages which are pages 3-6 of the booklet.

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FIRST AID

If in eyes	<ul style="list-style-type: none"> • Hold eyes open and rinse slowly and gently with water for 15 to 20 min. • Remove contact lenses, if present, after the first 5 min, then continue rinsing eyes. • Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> • 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 so by a poison control center or doctor. • DO NOT give anything by mouth to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 min. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • 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 treatment advice.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-832-HELP for emergency medical treatment information.

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

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed or absorbed through the skin. **DO NOT** get in eyes, on skin, or on clothing. Wear goggles or face shield, protective clothing, and rubber gloves when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT: Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart.

APPLICATORS AND OTHER HANDLERS MUST WEAR:

- Coveralls worn over long-sleeved shirt and long pants
- Waterproof gloves
- Chemical-resistant footwear and socks
- Protective eyewear (goggles or face shield)
- Chemical-resistant headgear when using this product for algae control in overhead watering systems
- Chemical-resistant apron when mixing, loading or cleaning equipment

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with undiluted product. **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 must:

- 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.
- 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.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. **DO NOT** apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark except for algae control in decorative ponds, fountains or water displays. **DO NOT** contaminate water when disposing of equipment washwaters.

PHYSICAL OR CHEMICAL HAZARDS

DO NOT mix with iron-based micro-nutrients, dye indicators or other anionic materials.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

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 requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

GENERAL INFORMATION

This product has been designed specifically for greenhouse and home use where cross contamination may occur. It will help to control fungal, bacterial and viral plant pathogens, bacterial and fungal leaf rots, slime forming fungi, odor-causing bacteria and algae.

Preclean all surfaces prior to application of disinfectant solution. All inanimate surfaces must be thoroughly wetted and remain wet for 10 min for disinfection. Prepare fresh solution at least daily or when use solution becomes visibly dirty.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements of this box apply to uses of this product NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies only when this product is used in commercial greenhouses.

Keep unprotected persons, children, pets and others out of treated areas until sprays have dried.

FOR ORNAMENTAL HORTICULTURE

DISINFECTING WORK AREA AND BENCHES: Create a use solution by diluting 1 Tbsp of product concentrate to 1 gal of water. Before each work period, apply as a coarse, wet spray or swab working surfaces with use solution and allow to stand for 10 min. Reapply after each plant is completed, to help control transfer of such diseases as root rot, crown rot, botrytis, downy mildew.

DISINFECTING POTS, FLATS AND FLOWER BUCKETS: Create a use solution by diluting 1 Tbsp of product concentrate to 1 gal of water. Brush or wash used pots and flats, then soak in this use solution for 10 min before using to help control transfer of such diseases as root and crown rots, anthracnose, mildew, rusts and blight.

DISINFECTING CUTTING TOOLS: Create a use solution by diluting 1 tsp of product concentrate to 1 qt of water. Soak cutting edge of tool for 10 min in this use solution before use to help control transfer of such diseases as stem and root rots, Tobacco Mosaic Virus (TMV) and botrytis. Use wet tool on plants. At end of work, dry and oil tools.

ALGAE - GREENHOUSE GLASS: Create a use solution by diluting 1 tsp of product concentrate to 1 gal of water. Apply as a coarse, wet spray or swab surfaces with this use solution and allow to air dry. Wash off dead algae with water. Apply using a coarse, wet spray to clean surfaces again with this use solution, but do not rinse.

ALGAE - WALKWAYS: Create a use solution by diluting 1 Tbsp of product concentrate to 1 gal of water. For heavy infestation, apply as a coarse, wet spray or swab with this use solution and let stand for an hour or more. Brush and wash away dead algae. Soak area again with this use solution, but do not rinse. This product will inhibit the growth of algae on walkways. Allow to dry on surface and repeat application when algae growth returns.

Evaporative Coolers - Algae, Fungus, Odors: Use 1 tsp of this product/15 gal water every other week. 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.

ALGICIDE FOR DECORATIVE POOLS, FOUNTAINS AND WATER DISPLAYS

DO NOT USE WHEN FISH ARE PRESENT.

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

DECORATIVE POOLS

APPLICATION DIRECTIONS: Create a use solution by adding the prescribed amount of product to 4 or more parts water. Treat water by "dribbling" the use solution around the edges where visible algae growth is evident. 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 as a coarse, wet spray instead of the hand "dribbling" method.

INITIAL DOSAGE:

Volume to be Treated	Amount of Product	Final Dilution of Active
52 gal	1 tsp	5 ppm
312 gal	1 fl oz	5 ppm
5,000 gal	1 pt	5 ppm
10,000 gal	1 qt	5 ppm

WEEKLY MAINTENANCE: Apply use solution by hand or automatic proportional until the permissible bubble level is obtained, but do not use more than 1/2 the initial dosage.

NOTE: When pool is to remain empty for several weeks or longer, apply to all exposed surfaces as a coarse, wet spray solution (1 fl oz/ 2 gal of water). This will control the growth of algae.

APPLICATIONS FOR FOUNTAINS AND WATER DISPLAYS

Initial Treatment: Create a "use solution" by adding the prescribed amount of product to 4 or more parts water. Use 1/2 tsp product/ 52 gal of water to be treated. With fountain operating, treat water by "dribbling" the use solution around the edges until slight patches of foam appear. Overdose reduces lighting efficiency.

WEEKLY MAINTENANCE: Create a use solution using no more than 1/2 the initial dosage. Add as described above until foam reappears.

MONTHLY MAINTENANCE: Drain and clean bowl. Refill with fresh water and repeat initial treatment. Draining removes airborne dirt, dust, contamination and alkali buildup.

SANITIZER: COMMERCIAL FOOD GRADE EGGS ONLY

To sanitize PREVIOUSLY CLEANED WHOLE FOOD GRADE EGG SHELLS (dirty, cracked or punctured eggs cannot be sanitized) in shell egg and egg processing plants intended for food or food products, apply as a coarse, wet spray with a solution of 1/2 fl oz of product in 4 gal of water (providing 195 ppm of active ingredient). The solution should be equal to or warmer than the eggs, but not to exceed 130°F. Wet eggs thoroughly and allow to drain. Eggs that have been sanitized with this product shall be subjected to a thorough potable water rinse only if they are to be immediately broken for use in the manufacture of egg products. Eggs should be reasonably dry before casing or breaking. The solution should not be reused for sanitizing eggs.

SANITIZER: FOOD CONTACT SURFACES ONLY

For use in restaurants, dairies, and food processing plants. Remove all gross food particles and soil from areas which are to be sanitized with a routine preflush, presoak or prescrape treatment. Thoroughly preclean all surfaces with a detergent. Then rinse with a potable water prior to applying the sanitizing solution. To sanitize precleaned inanimate nonporous food contact surfaces, prepare a 195 ppm active solution by adding 1/2 fl oz of product to 4 gal of water.

To sanitize immobile items such as counter tops, flood the area for at least 60 sec, making sure to wet all surfaces completely. Remove, drain the use solution from the surface, and let air dry. Prepare fresh solution at least daily or when use solution becomes visibly dirty.

To sanitize mobile items such as drinking glasses, eating utensils, immerse the item for at least 60 sec, making sure to immerse completely. Remove, drain the use solution from the surface, and let air dry. Prepare fresh solution at least daily or when use solution becomes visibly dirty.

GENERAL PURPOSE DISINFECTANT

For use in food processing plants, dairies, restaurants, animal quarters, poultry and turkey farms, kennels and other nonmedical institutions to disinfect precleaned inanimate, hard, nonporous surfaces such as floors and walls. Remove all gross filth or heavy soil and thoroughly clean the surfaces prior to application of the disinfectant solution. Prepare a disinfecting solution of 1 3/4 fl oz per 5 gal of water and apply with a mop, cloth or mechanical sprayer using as a coarse, wet spray so as to wet all surfaces thoroughly. Allow to remain wet for 10 min, then remove excess liquid. Prepare a fresh solution daily or when solution becomes diluted or soiled.

POULTRY HOUSE DISINFECTANT

- 1) Remove all poultry and feeds from premises, trucks, coops and crates.
- 2) Remove all litter and droppings from floors, walls and surfaces of facilities occupied or traversed by poultry.
- 3) Empty all troughs, racks, and other feeding and water appliances.
- 4) Thoroughly clean all surfaces with soap or detergent and rinse with water.
- 5) Saturate surfaces with the recommended disinfecting solution (1 3/4 fl oz/5 gal of water) for a period of 10 min.
- 6) Ventilate buildings, coops and other closed spaces. **DO NOT** house poultry or employ equipment until treatment has absorbed, set or dried.
- 7) Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.

FARM PREMISE DISINFECTANT

- 1) Remove all animals and feed from premises, vehicles and enclosures.
- 2) Remove all litter and manure from floors, walls and surfaces of barns, stables, stalls, pens, chutes, kennels and other facilities and fixtures occupied or traversed by animals.
- 3) Empty all troughs, racks, and other feeding and watering appliances.
- 4) Thoroughly clean all surfaces with soap or detergent and rinse with water.
- 5) Saturate surfaces with the recommended disinfecting solution (1 3/4 fl oz/5 gal of water) for a period of 10 min.
- 6) Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.
- 7) Ventilate buildings and other closed spaces. **DO NOT** house livestock or employ equipment until treatment has absorbed, set or dried.
- 8) Thoroughly scrub treated feed racks, troughs, mangers, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place. Keep container closed.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Empty container by using the product according to the label directions. **DO NOT** reuse or refill this container! Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows:

Empty the remaining contents into application equipment or a mix tank and drain for 10 sec after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 sec. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 sec after the flow begins to drip. Repeat this procedure 2 more times.

Place empty, triple rinsed container in trash or offer for recycling if available. If container is partly filled, call your local solid waste agency for disposal instructions. NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN!

CONDITIONS OF SALE AND WARRANTY

Follow the **Directions for Use**. It is impossible to eliminate all risks inherently associated with use of this product, and therefore all such risk 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 accepts 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.

PCS813

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81040453 30472219
Based on: NVA 2013-04-419-0179
Supersedes: 090728-43


The Chemical Company

100%
 1 gal Back label - 5.375" (w) x 5.5" (h)
 Applied to back of bottle

Green-Shield®

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DIRECTIONS FOR USE

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