



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

December 11, 2019

Abigail T.D. Wacek  
Senior Regulatory Consultant  
PureShield, Inc.  
5500 Military Trail, Suite 22-314  
Juniper, FL 33458

Subject: Label Amendment – Modify directions for use and uses  
Product Name: Bio-Protect AM50  
EPA Registration Number: 87583-3  
Application Date: August 5, 2019  
Decision Number: 554260

Dear Ms. Wacek:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, you may contact Joseph Daniels at (703) 347-8669 or via email at [Daniels.joseph@epa.gov](mailto:Daniels.joseph@epa.gov).

Sincerely,

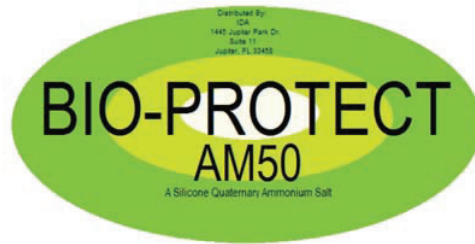


Eric Miederhoff  
Product Manager 31  
Regulatory Management Branch I  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

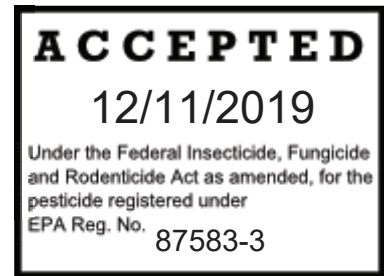
Enclosure

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**MICROBIOSTATIC AGENT\***  
**A Silicone Quaternary Ammonium Salt**



For use as an antimicrobial preservative under EPA and FDA Regulations to preserve food contact articles. (Food Preparation Surfaces, Polymeric Tubing for Beverages, Activated Carbon Water Filters) subject to FDA Regulations.\*\*

Provides an invisible microbiostatic coating to inhibit the growth of odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae. This product does not protect users or others against food-borne or disease-causing bacteria.

**Active Ingredient:** 3-(trihydroxysilyl)propyldimethyloctadecyl ammonium chloride....**0.50%**  
**Other Ingredients:**.....**99.50%**  
**TOTAL INGREDIENTS:**.....**100.00%**

**KEEP OUT OF REACH OF CHILDREN**

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xxxxx-xx-xxx

EPA EST. No.

NET CONTENTS: 2,4,6,8,12,16,32 oz or 1,5,30,55,275 Gallons

Manufactured by: PureShield Inc., 1445 Jupiter Park Drive, Suite 11, Jupiter, FL 33458

\* A microbiostatic agent is an agent that inhibits the growth of odor causing bacteria and fungi (mold and mildew), bacteria and fungi (mold and mildew) which cause staining and discoloration, and algae. This product does not protect users or others against food-borne or disease-causing bacteria or fungi.

**ENVIRONMENTAL HAZARDS**

**Commercial and industrial uses:** This pesticide is toxic to fish. 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 to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

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De-activation may be required during clean up if a spill occurs. De-activation of Bio-Protect AM50 can be achieved by the addition of anionic surfactant (such as soap, sulfonates, sulfates) in quantity equivalent to that of Bio-Protect AM50.

Residential use: This pesticide is toxic to fish. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of pesticide.

## **DIRECTIONS FOR USE**

### **Approved Commercial and Industrial Applications**

**[AND/OR]**

**Approved commercial appliances used in homes, offices, automobiles, ship sails, buses, trains, ships, boats and airplanes and institutions e.g., schools, hospitals, daycare centers, churches, correctional facilities**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry.

Bio-Protect AM50 can be applied to organic or inorganic substrates by fogging. All surfaces must be cleaned prior to fogging. Fogging is supplement to normal cleaning and practices. Fogging can be used in homes, offices, automobiles and institutions e.g., schools, hospitals, daycare centers, churches, correctional facilities, and food processing facilities.

1. Prior to fogging, remove and carefully protect all food products and packaging materials.
2. Fog areas using one gallon per 1000 cu. ft. of room area.
3. Allow surfaces to drain thoroughly and air dry before operations are resumed.

Dry substrates at temperatures from ambient to a maximum of 160°C (320°F) to effect complete condensation of silanol groups and to remove water, solvents and/or traces of methanol from hydrolysis. Optimum application and drying conditions, such as time and temperature, should be determined for each application before use. If necessary, reapply Bio-Protect AM50 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

Bio-Protect AM50 when used as a concrete additive is added directly concrete preparation. Use 60 fluid ounces per cubic feet of concrete. Addition of Bio-Protect AM50 reduces deterioration of sewer pipes and manholes by inhibiting microbiologically induced corrosion.

The active ingredient in Bio-Protect AM50 is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent. Bio-Protect AM50 can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) and algaestatic activity.

- Air Filters for furnaces, air-conditioners, air purification devices, automobiles,

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- recirculating air handling systems.
- Air filters/materials
- Aquarium filter material
- Bed sheets, blankets, and bedspreads
- Buffer pads (abrasive and polishing)
- Carpets and draperies
- Fiberfill for upholstery, sleeping bags, apparel, where the fiber is cotton, natural down, nylon, polyester, rayon, or wool
- Fiberglass duct board
- Fire hose fabric
- Humidifier belts
- Mattress pads and ticking
- Men's underwear and outerwear
- Non-woven disposable diapers
- Non-woven polyester
- Outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos)
- Polyurethane and cellulose foam for household, industrial, and institutional, non-food contact sponges and mops
- Polyurethane and polyethylene foam, when covered
- Polyurethane foam for packaging and cushioning in non-food contact applications
- Polyurethane foam used as a growth medium for non-food crops and plants
- Pre-moistened towelettes and tissue wipes (these do not impart pesticidal properties)
- Roofing materials – defined as shingles, roofing granules, wood shakes, felt, stone and synthetic overcoats
- Sand bags, tents, tarpaulins, wood, sails, and ropes
- Athletic and casual socks
- Shoe insoles
- Shower curtains
- Socks comprised of nylon, nylon/orlon, cotton/nylon, linen/Lycra, acrylic/polypropylene, nylon, Lycra, wood/silk/nylon/Lycra and wool/acrylic/nylon/Lycra
- Throw rugs
- Toweling made of 100 percent cotton, 100 percent polyester, and blends of the two fibers
- Toilet tank and seat covers
- Umbrellas
- Upholstery made of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethylene, polyolefins, polypropylene, rayon, spandex, vinyl, wool
- Vacuum cleaner bags and filters
- Vinyl paper-wallpaper for non-food contact surfaces
- Disposable wiping cloths that can be used for multiple purposes such as dusting or washing furniture, cars, walls, windows, floors, appliances, dishes, counter tops; the wiping cloths do not impart pesticide properties
- Woman's hosiery
- Women's intimate apparel

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**For Pump Spray Application:** Using pump sprayer, spray entire area 4”-6”s from the surface making sure the surface is completely covered. Apply and then let stand until dry or let stand 3 minutes and wipe dry with cloth of sponge. If spotting occurs, wipe with moist cloth or sponge. Test for staining and color-fastness of fabrics and carpets by treating and drying a small, concealed area prior to application. Apply Bio-Protect AM50 per the table below:

Amount of Bio-Protect AM 50	Pint 16 fl. Oz.	Quart 32 fl. Oz.	½ Gallon 64 fl. Oz.	One Gallon 128 fl. Oz.
Area to be Treated	25 sq. ft.	50 sq. ft.	100 sq. ft.	200 sq. ft.

When treating coarser substrates, more Bio-Protect AM50 may be required due to absorption. A fan may be used to assist in drying carpet.

**For Commercial Spray Application:** For commercial application equipment (i.e. carpet/upholstery steamers, rotary jet extraction cleaner, electrostatic sprayers, and pressure sprayers) apply and then let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test for staining and color-fastness of fabrics and carpets by treating and drying a small, concealed area prior to application. See table for application rates. When treating coarser substrates, more Bio-Protect AM50 may be required due to absorption. Dry carpet areas and surfaces before re-entry and dry articles before use. A fan may be used to assist in drying carpet.

**For Dipping/Soaking Application:** Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough Bio-Protect AM50 solution to completely submerge item. Completely submerge item in solution for 3 minutes. Remove item and dry. Test for staining and color-fastness of fabrics by treating and drying a small, concealed area prior to application. Do not reuse solution after dipping/soaking.

The substrate can be dried at room temperature or at temperatures to a maximum of 160°C (320°F), (for example in a clothes dryer. Remove excess liquid before attempting to dry in a clothes dryer.) If necessary, reapply Bio-Protect AM50 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

**\*\*FOR USE AS AN ANTIMICROBIAL TO PRESERVE FINISHED FOOD CONTACT ARTICLES SUBJECT TO FDA REGULATIONS.**

Incorporate Bio-Protect AM50 as an antimicrobial additive to coat items listed below that are used for manufacturing, processing, packing, packaging, transporting, handling and/or holding food or water if such use is not intended to have any effect in the food or water itself. Do not incorporate Bio-Protect AM50 into any food or water contact application listed on this label unless the substance is approved, with associated use conditions, for food or water contact in **21 CFR 174-186** (inclusive) as amended or in the US FDA’s Food Contact Substance Notification System, as amended.

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### **Food Preparation Surfaces**

This Food Contact Substance (FCS) can be used as an additive without food or beverage type or temperature limitation, in food or beverage preparation and processing surfaces (where FCS is applied to the surface as a coating).

*Use:*

Food contact surface coatings, films and laminates.

*Products:*

- Appliances, equipment and utensils, (used in preparing and processing of food products for human and animal consumption)
- Barrier fabrics
- Building materials and components, (used in food preparation and processing areas)
- Collection and storage equipment (such as conveyor systems, piping systems, silos, tanks, and process vessels made from any material)
- Cookware made from any material
- Countertops and cutting boards made from composite materials, stainless steel, laminates
- Food wrap (including coated deli paper, coated food interleaves, plastic wrap, polystyrene and plastic trays, aluminum foil)
- General purpose containers of any material for short and long term storage
- Glazing for cement tiles
- Glazing for vitreous china used in plumbing fixtures such as countertops, sinks and other vessels
- Industrial equipment and machinery for the preparation, processing or transportation of food and beverage products
- Natural and synthetic fibers and fabrics in any combination of compositions packaging (made from paper, plastics or metals)
- Paper products (such as wipes, tissues, wall coverings, towels)
- Plastic film (of any weight and composition)
- Sinks and other vessels used for cleaning or transporting food and beverage products

*Maximum Concentration:*

1% by weight active ingredient of resin, laminate, or surface coating.

### **Polymeric Tubing for Beverages**

Polymeric tubing for transfer of beverages and drinking water.

*Use:*

Food contact molded plastic and metal parts.

*Products:*

- Beverage dispensing equipment tubing
- Beverage processing equipment tubing
- Holding tanks
- Pump

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*Maximum Concentration:*

1% by weight active ingredient of finished tubing.

**Activated Carbon Water Filters**

Repeat use activated carbon water filters and other water filter media.

*Use:*

Process and drinking water filter

*Products:*

- Activated carbon water filters (and synthetic woven or non-woven media, zeolite and other natural media)

*Maximum Concentration:*

0.25% by weight active weight percent of the carbon block.

*Application:*

Bio-Protect AM50 is a READY TO USE product only. [Bio-Protect AM50] [*This product*] can be applied to organic or inorganic substrates by brushing, dipping, padding, soaking, spraying or by using foam finishing techniques.

***For Pump Spray Application:*** Using pump sprayer, spray entire area 4"-6" from the surface making sure the surface is completely covered. Apply and then let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Apply Bio-Protect AM50 per the table below:

Amount of Bio-Protect AM 50	Pint 16 fl. Oz.	Quart 32 fl. Oz.	½ Gallon 64 fl. Oz.	One Gallon 128 fl. Oz.
Area to be Treated	25 sq. ft.	50 sq. ft.	100 sq. ft.	200 sq. ft.

When treating coarser substrates, more Bio-Protect AM50 may be required due to absorption.

***For Commercial Spray Application:*** For commercial application equipment (i.e. electrostatic sprayers, and pressure sprayers) apply and then let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. See table for application rates. When treating coarser substrates, more Bio-Protect AM50 may be required due to absorption.

***For Dipping/Soaking Application:*** Use appropriately sized wash basin or tub for dipping/soaking the item you are treating. Use enough Bio-Protect AM50 solution to completely submerge item. Completely submerge item in solution for 3 minutes. Remove item and dry. Do not reuse solution after dipping/soaking.



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The substrate can be dried at temperatures from ambient to a maximum of 160°C (320°F) to effect complete condensation of silanol groups and to remove water, solvents and/or traces of methanol from hydrolysis. Optimum application and drying conditions, such as time and temperature, should be determined for each application before use. If necessary, reapply Bio-Protect AM50 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.

## DIRECTIONS FOR USE

### For residential applications

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry. Clean surfaces prior to application.

### Approved residential uses

The active ingredient in Bio-Protect AM50 is effective against odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae as a static agent.

	<b>Pest controlled</b>	<b>Method of Application</b>
Bed sheets, blankets, bedspreads, curtains, draperies (washable only), underwear, socks, intimate apparel, hosiery, throw rugs, toweling, toilet tank covers, shower curtains, shoe insoles, outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos). Bio-Protect AM50 can be applied to fabrics made of acetates, acrylics, cotton, fiberglass, linen, Lycra, nylon, orlon, polyester, polyethylene, polyolefin, polypropylene, rayon, silk, spandex, vinyl, and wool.	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	<b>DIP/SOAK:</b> Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough Bio- Protect AM50 solution to completely submerge item. Keep item in solution for 3 minutes. Remove item and wring excess liquid from treated item. For larger items (e.g. bedspreads, curtains, draperies), place in washing machine on spin cycle to aid in the removal of excess liquid. Test staining and color-fastness of fabric and carpets by treating and drying a small concealed area prior to application. Do not reuse solution after dipping/soaking. Dry treated articles before use. Substrates can be hang-dried at room temperature or at temperatures to a maximum of 160°C (320°F); (for example, in a clothes dryer). If necessary, reapply Bio- Protect AM50 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return. <b>SPRAY:</b> Clean surface prior to application. Using a trigger pump sprayer or pressure

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	<b>Pest controlled</b>	<b>Method of Application</b>
		sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test staining and color-fastness of fabric by treating and drying a small concealed area prior to application. If necessary, reapply Bio-Protect AM50 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
Air filters and air filter material for: Furnaces, air Conditioners, Air purification Systems, Automobiles Recirculating air handling systems, Vacuum cleaner filters, Aquariums	Odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae	<b>SPRAY:</b> When treating filters, remove filter from the unit. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Apply and then let stand until dry. If necessary, reapply Bio-Protect AM50 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.
Carpeting	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	<b>SPRAY:</b> Apply to clean carpet surface. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. For rotary jet extraction cleaners and carpet steamers, add the Bio-Protect AM50 solution directly to the cleaning tank, then operate the equipment in accordance with manufacturer's instructions. Apply and then let stand until dry. Test staining and color-fastness of carpets by treating and drying a small concealed area prior to application. When treating coarser substrates (e.g., wool carpeting), more Bio-Protect AM50 may be required due to absorption. Dry carpet areas and surfaces before re-entry. A fan may be used to assist in drying carpeting. Remove children and pets from treated area until completely dried. If necessary, reapply Bio-Protect AM50 every three months or when odor, staining and discoloration due to

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	<b>Pest controlled</b>	<b>Method of Application</b>
		bacteria, mold stains, and mildew stains return.
Mattress pad and mattress ticking and upholstery composed of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethylene, polyolefin, polypropylene, rayon, spandex, vinyl, wool; fiberfill to be used in upholstery, sleeping bags, apparel, where the fiber is cotton, natural down, nylon, rayon, or wool	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	<b>SPRAY:</b> Clean surfaces prior to application. Using a trigger pump sprayer spray the entire surface area 4”-6” from the surface, making sure the surface is completely covered. Apply and then let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test staining and color-fastness of fabric by treating and drying a small concealed area prior to application. When applying to mattress pads and ticking do not soak. Remove children and pets from treated area until completely dried. If necessary, reapply Bio-Protect AM50 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
Tents, tarpaulins, wood, sails, ropes.	Odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae	<b>SPRAY:</b> Clean surface prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4”-6” from the surface, making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test staining and color-fastness of fabric by treating and drying a small concealed area prior to application. If necessary, reapply Bio-Protect AM50 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return. <b>DIP/SOAK:</b> Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough Bio-Protect AM50 solution to completely submerge item. Keep item in solution for 3 minutes. Remove item and wring excess liquid. Do not reuse solution after dipping/soaking. Dry treated articles before use. Substrates can be hang-dried at room temperature or at temperatures to a maximum of 160°C (320°F); (for example, in

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	<b>Pest controlled</b>	<b>Method of Application</b>
		a clothes dryer). Remove excess liquid before attempting to dry in a clothes dryer. If necessary, reapply Bio-Protect AM50 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.
Roofing materials (such as shingles, roofing granules, wood shakes, felt, stone, synthetic overcoats)	Odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae	<b>SPRAY:</b> Make sure the roof is clean prior to application. Using a pressure sprayer, spray the entire surface area 6”-12” from the surface, making sure the surface is completely covered. After applying Bio-Protect AM50, let stand until dry. If necessary, reapply Bio-Protect AM50 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.
Buffer pads (polishing and abrasive), polyurethane and cellulose for household, non-food contact sponges and mops, vacuum cleaner bags, umbrellas, casual shoes, athletic shoes	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	<b>SPRAY:</b> Clean surface prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4”-6” from the surface, making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. If necessary, reapply Bio-Protect AM50 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
Tubs, glazed tiles, vanity tops, shower curtains, shower stalls (areas), sinks, washable walls, wall paper for non-food contact, floors, window sills, cabinets, garbage cans, appliances, refrigerators (exterior), fiberglass, Formica, glazed tiles, glazed porcelain, synthetic marble, plastic, vinyl	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	<b>SPRAY:</b> Using a trigger pump sprayer, spray the entire surface area 4”-6” from the surface, making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. If necessary, reapply Bio-Protect AM50 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

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### **Optional Marketing Statements**

- 3 Months
- Antimicrobial Surface Protectant
- Approved for use on food contact surfaces.
- Bacteriostatic, fungistatic (mold and mildew), algaestatic.
- Bio-Protect AM is suitable to use on [screen] [device] [touchscreen] [electronic device] glass.
- Bio-Protect AM50 inhibits the growth of microbes and protects your [device], [touchscreen device], [electronic device], [lenses] from the growth of odor-causing bacteria for up to 24 hours. Does not damage screens, including [touchscreen devices], [electronic devices], [device surfaces].
- Bio-Protect AM50 is an antimicrobial agent effective against bacteria which cause staining and discoloration.
- Bio-Protect AM50 is an antimicrobial agent effective against fungi (mold and mildew).  
Bio-Protect AM50 is an antimicrobial agent effective against algae.
- Bio-Protect AM50 is an antimicrobial agent effective against odor causing bacteria.
- Bio-Protect AM50, an antimicrobial agent, controls the source of odors on surfaces in the home, in the bathroom, in non-food contact areas in the kitchen.
- Bio-Protect AM50, an antimicrobial agent, inhibits the growth of odor causing bacteria.
- Bio-Protect AM50, and antimicrobial agent, inhibits smelly odors caused by mold and mildew that can grow in even the cleanest of homes.
- Creates an invisible barrier to inhibit the growth of mold to keep indoor and outdoor surfaces mold free for up to 3 months
- Creates an invisible shield that inhibits the growth of [microorganisms], [microbes] and helps prevent the growth and spread of bacteria
- Does not damage screens, including [touchscreen devices], [electronic devices], [device surfaces], [lenses]
- Effective on hard non-porous washable bathroom and non-food contact kitchen surfaces and fixtures around the home.
- Effective on modern hard non-porous washable surfaces made of fiberglass, glazed porcelain, Formica, stainless steel, synthetic marble.
- Imparts microbiostatic properties.
- Inhibits the growth of algae between cleanings.
- Inhibits the growth of bacteria which cause staining and discoloration between cleanings.  
Inhibits the growth of fungi (mold and mildew) between cleanings.
- Inhibits the growth of odor causing bacteria between cleanings.
- Inhibits the growth of odor causing bacteria which cause staining and discoloration, fungi (mold and mildew), and algae between cleanings.
- Mold free for up to 3 months
- Mold, mildew, odor protector and inhibitor.
- Prevents deterioration caused by bacteria and fungi (mold and mildew). Inhibits deterioration caused by bacteria.
- Protection for indoor and outdoor use
- Protects device [surface], [glass], [lenses] from the growth of [odor-causing microorganisms] [odor-causing bacteria]

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- Protects device [surface], [glass], [lenses] from the growth of [odor-causing microorganisms] [odor- causing bacteria] for up to 12 hours
- Protects device [surface], [glass], [lenses] from the growth of [odor-causing microorganisms] [odor- causing bacteria] for up to 24 hours
- Provides an invisible microbiostatic coating to inhibit the growth of fungi (mold and mildew). Provides an invisible microbiostatic coating to inhibit the growth of algae.
- Provides an invisible microbiostatic coating to inhibit the growth of odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.
- Provides an invisible microbiostatic coating to inhibit the growth of odor causing bacteria. Provides an invisible microbiostatic coating to inhibit the growth of bacteria which cause staining and discoloration.
- Provides/creates an invisible barrier to inhibit the growth of fungi (mold and mildew). Provides/creates an invisible barrier to inhibit the growth of algae.
- Provides/creates an invisible barrier to inhibit the growth of odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.
- Provides/creates an invisible barrier to inhibit the growth of odor causing bacteria. Provides/creates an invisible barrier to inhibit the growth of bacteria which cause staining and discoloration.
- Reapply this product every 3 months to replenish barrier from mold and mildew
- Waterproof
- Resists development of microbial odors, stains and discoloration due to bacteria, fungi (mold and mildew), and algae.
- Resists development of microbial odors.
- Resists development of stains and discoloration due to bacteria. Resists development of stains due to fungi (mold and mildew).
- Resists stains due to algae.
- Unscented.
- Use Bio-Protect AM50 every 24 hours to ensure [continuous] [continual] [ongoing] [extended] protection.
- Use on carpet and upholstery to inhibit odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew).
- Use on carpet and upholstery to inhibit the growth of bacteria which cause staining and discoloration.
- Use on carpet and upholstery to inhibit the growth of fungi (mold and mildew).
- Use on carpet and upholstery to inhibit the growth of odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew).
- Use on carpet and upholstery to inhibit the growth of odor causing bacteria.
- Use on the surface of a [touchscreen], [electronic device], [glass], [lenses]
- Using Bio-Protect AM50 every 24 hours ensures [continuous] [continual] [ongoing] [extended] protection.
- Water based and odor free

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**Optional Icons:**



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### **STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage and disposal.

**Pesticide Storage:** Store in original, tightly closed containers below 30°C (86°F) and above 0°C (32°F) in a secure area inaccessible to children and away from food or feed.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **[For homeowner use the statement will read: “Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site.”]**

**Container Handling:** (containers intended for residential users) Nonrefillable/container. Do not reuse or refill the container. Securely wrap original container in several layers of newspaper and discard in trash or offer for recycling if available.

**Container Handling:** (containers intended for nonresidential users, larger than 5 gallons) Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ 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 it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Dispose of rinsate as pesticide waste. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

**Container Handling:** (containers intended for nonresidential users, smaller than 5 gallons) Non-refillable container. Do not reuse or refill this container. Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Dispose of rinsate as a pesticide waste. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

FOR MORE INFORMATION CONCERNING THIS PRODUCT, PLEASE CONSULT THE SAFETY DATA SHEET (SDS). THE SDS CAN BE OBTAINED BY WRITING PURESIELD INC. AT 1445 JUPITER PARK DRIVE, SUITE 11, JUPITER, FL 33458.

### **IMPORTANT: WARRANTY AND DISCLAIMER INFORMATION**

PureShield Inc. warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated in this bulletin when in accordance with directions under normal conditions of use; but this warranty of fitness for a particular purpose does not extend to the use of this product contrary to bulletin instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to the seller, and buyer assumes the risk of any such use. PURESIELD INC. SPECIFICALLY DISCLAIMS ANY OTHER EXPRESSED OR IMPLIED WARRANTY, INCLUDING THE WARRANTY OF MERCHANTABILITY.

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