



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

July 2, 2018

Mr. Thomas Higgins  
CEO of,  
AP GoldShield LLC  
735 Chicken Valley Road  
Locust Valley, NY 11560

Subject: Label Amendment – To revise the product labeling  
Product Name: GoldShield 5  
EPA Registration Number: 85556-1  
Application Date: November 21, 2017  
Decision Number: 536217

Dear Mr. Higgins:

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.

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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 with FIFRA section 6. If you have any questions, please contact Karen M. Leavy by phone at (703)-308-6237, or via email at [Leavy.Karen@epa.gov](mailto:Leavy.Karen@epa.gov).

Sincerely,



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

Enclosure



**Goldshield™**  
*Goldshield®5*

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

**ACCEPTED**  
07/02/2018  
Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 85556-1

*Water Based*

<b>Active Ingredient:</b>	3-(Trihydroxysilyl)propyldimethyloctadecyl ammonium chloride.....	<b>5.0%</b>
<b>Other Ingredients:</b>	.....	<b>95.0%</b>
<b>TOTAL</b>		
<b>INGREDIENTS:</b>	.....	<b>100.0%</b>

**KEEP OUT OF REACH OF CHILDREN**

**WARNING**

EPA Reg. No. 85556-1

EPA EST. [As indicated on label]

NET CONTENTS: 2, 4, 8, 16, 20, 22, 25 or 32, 36 fluid oz.; 1, 5, 55, 150, or 275 gal.

Lot No. \_\_\_\_\_

**FIRST AID**

**Have the product container or label with you when calling the 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.
- Call poison control center or doctor 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.
- Call a poison control center or doctor for further treatment advice.

**IF ON SKIN:**

- 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 so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

A microbiostatic agent is an agent that inhibits 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.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**WARNING.** Causes substantial but temporary eye injury. Harmful if absorbed through skin or inhaled. Do not get in eyes. Avoid contact with skin and avoid breathing vapor. Wear protective eyewear (goggles or face shield). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**ENVIRONMENTAL HAZARDS**

**Commercial and industrial uses:** This pesticide is toxic to fish when discharged in bulk. 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.

De-activation may be required during clean up if a spill occurs. De-activation of *Goldshield*®5 can be achieved by the addition of anionic surfactant (such as soap, sulfonates, sulfates) in quantity equivalent to that of *Goldshield*® 5.

**Homeowner use:** This pesticide is toxic to fish. When discharged in bulk. 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**

**Approved commercial applications used in homes, offices, automobiles 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. Wear protective eyewear (goggles or face shield) and gloves when using this product. Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry.

Prepare solutions by simply adding **Goldshield®5** to solvent and stirring. Dilute **Goldshield®5** by adding 5 parts water to 1 part **Goldshield®5** concentrate and stir or Dilute **Goldshield®5** by adding 0.2 to 2 fluid ounces of **Goldshield®5** per cup (3.2 to 32 fluid ounces of **Goldshield®5** per gallon) of water or other solvents (for example, alcohol and ketones) and then applied to organic or inorganic substrates by brushing, dipping, soaking, spraying, to give a final treatment of 0.1 to 1.0 percent by weight active ingredient.

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 **Goldshield®5** every three months (90 days) or when odor, staining and discoloration due to odor causing bacteria, mold stains, and mildew stains return.

For protection up to 90 days Goldshield 5 may be used in concentration form as a commercial laundry protectant to inhibit bacteria and fungi that cause odor, staining and discoloration. Add Goldshield 5 in concentrated form during the laundry rinse cycle, which will result in a dilution with 16 parts water to 1 part GS 5. For applying to surfaces dilute (5 parts water to 1 part GS5 resulting in a 0.83% active) as a surface antimicrobial agent.

**Goldshield®5** when used as a concrete additive is added directly during concrete preparation. Use 6 fluid ounces **Goldshield®5** per cubic feet of concrete. Add to water before addition of concrete. Addition of **Goldshield®5** reduces deterioration of sewer pipes and manholes by inhibiting microbiologically induced corrosion.

**Goldshield®5** when used as an additive for paints and coatings is added directly during preparation of the paint or coating. Use 5 pounds of **Goldshield®5** per 100 pounds of paint or coating (or 1 pound **Goldshield®5** per 20 pounds paint/coating). The addition of the antimicrobial agent **Goldshield®5** to paints at the point of manufacture preserves the paint in the can as well as the dried paint film. **Goldshield®5** inhibits the growth of odor causing bacteria, bacteria which causes staining and discoloration, fungi (mold and mildew), and algae on the surface of dried films and coatings.

#### **Approved commercial and industrial applications**

The active ingredient in **Goldshield®5** is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent. **Goldshield®5** can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) activity.

- Air filters for furnaces, air-conditioners, air purification devices, automobiles, recirculating air handling systems
- Air filters/materials
- Air filters/materials
- Aquarium filter material
- Athletic facilities, lockers, locker rooms, benches, gym equipment, countertops of non-food contact surfaces, yoga mats, wrestling mats, exercise balls, synthetic grass
- Bed sheets, blankets, and bedspreads
- Beds, bed railings and bed frames
- Buffer pads (abrasive and polishing)
- Carpets and draperies
- Cages, made of cement or concrete, metal bars
- Cellulose sponges non-food contact surfaces
- Chairs and furniture made of composite materials, wood or metals
- Changing counters of non-food contact surfaces, and rooms, doorknobs, floors, laminate flooring
- Apply GS 75 to cell phone glass and casing, remote call devices, TV remote control devices, stationary phones and handles, let dry and wipe clean any residue.
- Concrete additive for sewer pipes, manholes and concrete sewer structures; not to be used in treatment of storm drains
- Concrete additive for repair and renewal of sewer pipes and manholes and concrete sewer structures; not to be used in treatment of storm drains
- Exterior walls (such as stone, concrete, brick)
- Fiberfill for upholstery, sleeping bags, apparel, where the fiber is cotton, natural down, nylon, polyester, rayon, or wool
- Fiberglass ductboard
- Fire hose fabric
- Film of PVA poly vinyl alcohol, polyvinyl acetate, polypropylene, PVC (poly vinyl chloride), used for packaging non-food products
- Garbage cans, trash cans
- Glass
- Humidifier belts
- Interior and exterior of transportation vehicles; automobiles [cars], taxis, buses, trains, boats, ships, EMS vehicles and the cushions, seat covers, carpets contained therein.

- Institutional & Industrial delivery carts, made of synthetic substrates or textiles, laundry linen carts, scales, stools, wheel chair seats-backs and arm rests, gurneys and gurney covers of synthetic materials
- Lamp stands, light fixtures, light switches and plates,
- Mattress pads and ticking, mattress pads of vinyl, PVC, PVA, poly vinyl acetate or other synthetic materials
- Men's underwear and outerwear
- Non-woven disposable diapers
- Non-woven polyester
- Outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos)
- *Goldshield* ®75 can be used in paints and coatings as an in can preservative for protection of paint film and coating film. Types of paints and coatings include : latex indoor/outdoor paints and stains, wood-stains, architectural paints, lacquer and maintenance coatings, films, laminates and finishes including alkyd, urethane, enamel, epoxy, siloxaline , amino resins, textile coatings, extrusion coatings, architectural coatings and overlays, anti-corrosion coatings, fire-resistant coatings, aliphatic coatings, vinyl-ester and polyester coatings, gel coatings, amino resins, resins used as additive mixes for cement, epoxy laminating resins, and blends and copolymers thereof;
- Polyurethane and cellulose foam for household, industrial, and institutional sponges for non-food contact surfaces 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) used for non- food contact surfaces
- Refrigerators-exterior
- Roofing materials - defined as shingles, roofing granules, wood shakes, felt, stone and synthetic overcoats
- Room tables for non-food contact surfaces, made of wood, composite materials and metals, cabinets made of wood, composite materials, metals, cages
- Sand bags, tents, tarpaulins, sails, and ropes
- Athletic and casual shoes
- Shoe insoles
- Shower curtains, privacy curtains, of cotton, cotton blends of polyester, nylon or viscose, polypropylene and other synthetic fibers
- Shower stalls, walls, floors, ceilings
- Shopping cart handles, industrial push carts
- Socks comprised of nylon, nylon/orlon, cotton/nylon, linen/Lycra, acrylic/polypropylene/nylon/Lycra, wool/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 non-food contact surfaces
- Toilet tank and seat covers, bathroom faucets and sinks
- 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 for non-food contact surfaces; the wiping cloths do not impart pesticide properties
- Women's hosiery
- Women's intimate apparel

#### **DIRECTIONS FOR USE**

**Approved commercial applications used in homes, offices, automobiles 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. Wear protective eyewear (goggles or face shield) and gloves when using this product. 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.

**For Pump Spray Application:** Dilute *Goldshield*® 5 by adding 5 parts water to 1 part *Goldshield*® 5 concentrate and stir or dilute 8 ounces of *Goldshield*®5 per gallon of water (2 oz. per quart; 1oz. per pint). 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 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. *Goldshield*®5 treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates, more *Goldshield*®5 may be required due to absorption. A fan may be used to assist in drying carpeting.

**For Commercial Spray Application:** For commercial application equipment (i.e. carpet/upholstery steamers, rotary jet extraction cleaners, pressure sprayers) dilute 8 ounces of *Goldshield*®5 per gallon of water (2 oz. per quart; 1oz. per pint); mix well. 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. *Goldshield*®5 treats approximately 200 square feet per diluted gallon of



water. When treating coarser substrates, more *Goldshield* ®5 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 carpeting.

**For Dipping/Soaking Application:** Use appropriate sized wash-basin or tub for dipping/soaking the item you are treating. Use enough *Goldshield* ®5 solution to completely submerge item. Dilute 8 ounces of *Goldshield* ®5 per gallon of water (2 oz. per quart; 1oz. per pint); mix well. 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 temperatures 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 *Goldshield* ®5 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

For protection up to 90 days Goldshield 5 may be used in concentration form as a laundry protectant to inhibit bacteria and fungi that cause odor, staining and discoloration. Add Goldshield 5 in concentrated form during the laundry rinse cycle, which will result in a dilution with 16 parts water to 1 part GS 5. For applying to surfaces dilute (5 parts water to 1 part GS5 resulting in a 0.83% active) as a surface antimicrobial agent.

**Approved commercial applications in homes, offices, automobiles and institutions  
e.g., schools, hospitals, day care centers, banks, churches, correctional facilities**

The active ingredient in *Goldshield* ®5 is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent.

*Goldshield* ®5 can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) activity.

- Air filters for furnaces, air-conditioners, air purification devices, automobiles, recirculating air handling systems
- Air filters/materials
- Air filters/materials
- Aquarium filter material
- Athletic facilities, lockers, locker rooms, benches, gym equipment, countertops of non-food contact surfaces, yoga mats, wrestling mats, exercise balls, synthetic grass
- Bed sheets, blankets, and bedspreads
- Beds, bed railings and bed frames
- Buffer pads (abrasive and polishing)
- Carpets and draperies
- Cages, made of cement or concrete, metal bars
- Cellulose sponges non-food contact surfaces

- Chairs and furniture made of composite materials, wood or metals
- Changing counters of non-food contact surfaces, and rooms, doorknobs, floors, laminate flooring
- Apply GS 75 to cell phone glass and casing, remote call devices, TV remote control devices, stationary phones and handles, let dry and wipe clean any residue.
- Concrete additive for sewer pipes, manholes and concrete sewer structures; not to be used in treatment of storm drains
- Concrete additive for repair and renewal of sewer pipes and manholes and concrete sewer structures; not to be used in treatment of storm drains
- Exterior walls (such as stone, concrete, brick)
- Fiberfill for upholstery, sleeping bags, apparel, where the fiber is cotton, natural down, nylon, polyester, rayon, or wool
- Fiberglass ductboard
- Fire hose fabric
- Film of PVA poly vinyl alcohol, polyvinyl acetate, polypropylene, PVC (poly vinyl chloride), used for packaging non-food products
- Garbage cans, trash cans
- Glass
- Humidifier belts
- Interior and exterior of transportation vehicles; automobiles [cars], taxis, buses, trains, boats, ships, EMS vehicles and the cushions, seat covers, carpets contained therein.
- Institutional & Industrial delivery carts, made of synthetic substrates or textiles, laundry linen carts, scales, stools, wheel chair seats-backs and arm rests, gurneys and gurney covers of synthetic materials
- Lamp stands, light fixtures, light switches and plates,
- Mattress pads and ticking, mattress pads of vinyl, PVC, PVA, poly vinyl acetate or other synthetic materials
- Men's underwear and outerwear
- Non-woven disposable diapers
- Non-woven polyester
- Outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos)
- *Goldshield* ®75 can be used in paints and coatings as an in can preservative for protection of paint film and coating film. Types of paints and coatings include : latex indoor/outdoor paints and stains, wood-stains, architectural paints, lacquer and maintenance coatings, films, laminates and finishes including alkyd, urethane, enamel, epoxy, siloxaline , amino resins, textile coatings, extrusion coatings, architectural coatings and overlays, anti-corrosion coatings, fire-resistant coatings, aliphatic coatings, vinyl-ester and polyester coatings, gel coatings, amino resins, resins used as additive mixes for cement, epoxy laminating resins, and blends and copolymers thereof;

PAGE 9 - MASTER LABEL FOR *Goldshield* ®5

- Polyurethane and cellulose foam for household, industrial, and institutional sponges for non-food contact surfaces 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) used for non- food contact surfaces
- Refrigerators-exterior
- Roofing materials - defined as shingles, roofing granules, wood shakes, felt, stone and synthetic overcoats
- Room tables for non-food contact surfaces, made of wood, composite materials and metals, cabinets made of wood, composite materials, metals, cages
- Sand bags, tents, tarpaulins, sails, and ropes
- Athletic and casual shoes
- Shoe insoles
- Shower curtains, privacy curtains, of cotton, cotton blends of polyester, nylon or viscose, polypropylene and other synthetic fibers
- Shower stalls, walls, floors, ceilings
- Shopping cart handles, industrial push carts
- Socks comprised of nylon, nylon/orlon, cotton/nylon, linen/Lycra, acrylic/polypropylene/nylon/Lycra, wool/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 non-food contact surfaces
- Toilet tank and seat covers, bathroom faucets and sinks
- 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 for non-food contact surfaces; the wiping cloths do not impart pesticide properties
- Women's hosiery
- Women's intimate apparel

**DIRECTIONS FOR USE**  
**For homeowner applications**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Wear protective eyewear (goggles or face shield) and gloves when using this product. 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 homeowner uses**

The active ingredient in *Goldshield*®5 is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent. *Goldshield*®5 can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) activity.

	<b>Pest controlled</b>	<b>Dilution Rate</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). <i>Goldshield</i> ®5 can be applied to fabrics made of acetates, acrylics, cotton, fiberglass, linen, Lycra, nylon, orlon, polyester, polyethylene, polyolefins, polypropylene, rayon, silk, spandex, vinyl, and wool	Odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz./ gallon 2 oz./ quart 1 oz./pint	<p><b>DIP/SOAK:</b> Dilute <i>Goldshield</i>®5 in water; mix well. Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough <i>Goldshield</i>®5 solution to completely submerge item. Keep item in solution for 3 minutes. Remove item and wring excess liquid. Drying may be attained by dripping dry or wringing 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 <i>Goldshield</i>®5 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.</p> <p><b>SPRAY:</b> Dilute <i>Goldshield</i>®5 in water; mix well. Clean</p>

			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 <i>Goldshield</i> ®5 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	<b>Pest controlled</b>	<b>Dilution Rate</b>	<b>Method of Application</b>
Air filters and air filter material for <ul style="list-style-type: none"> <li>• Furnaces, air conditioners</li> <li>• Air purification systems</li> <li>• Automobiles</li> <li>• Recirculating air handling systems</li> <li>• Vacuum cleaner filters</li> <li>• Aquariums</li> </ul>	Odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae	8 oz./ gallon 2 oz./ quart 1 oz./pint	<b>SPRAY:</b> Dilute <i>Goldshield</i> ®5 in water; mix well. 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 <i>Goldshield</i> ®5 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.
	<b>Pest controlled</b>	<b>Dilution Rate</b>	<b>Method of Application</b>
Carpeting	Odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz./ gallon 2 oz./ quart 1 oz./pint	<b>SPRAY:</b> Dilute <i>Goldshield</i> ®5 in water; mix well. 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 diluted <i>Goldshield</i> ®5 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. <i>Goldshield</i> ®5 treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates (e.g., wool carpeting), more <i>Goldshield</i> ®5 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 <i>Goldshield</i> ®5 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	<b>Pest controlled</b>	<b>Dilution Rate</b>	<b>Method of Application</b>
Mattress pad and mattress ticking and upholstery composed of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethylene, polyolefins, 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)	8 oz./ gallon 2 oz./ quart 1 oz./pint	<b>SPRAY:</b> Dilute <i>Goldshield</i> ®5 in water; mix well. 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 <i>Goldshield</i> ®5 every three months or when odor, staining and discoloration due to bacteria, mold stains and mildew stains return.
	<b>Pest controlled</b>	<b>Dilution Rate</b>	<b>Method of Application</b>
Tents, tarpaulins, sails, ropes.	Odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae	8 oz./ gallon 2 oz./ quart 1 oz./pint	<b>SPRAY:</b> Dilute <i>Goldshield</i> ®5 in water; mix well. 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 <i>Goldshield</i> ®5 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.

			<p><b>DIP/SOAK:</b> Dilute <i>Goldshield</i>®5 in water and mix well. Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough <i>Goldshield</i>®5 solution to completely submerge item. Keep item in solution for three minutes. Remove item and wring excess liquid. Test staining and color-fastness of fabric 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). Remove excess liquid before attempting to dry in a clothes dryer. If necessary, reapply <i>Goldshield</i>®5 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.</p>
	<b>Pest controlled</b>	<b>Dilution Rate</b>	<b>Method of Application</b>
<p>Roofing materials (such as shingles, roofing granules, wood shakes, felt, stone, synthetic overcoats) Exterior walls (such as stone, concrete, brick)</p>	<p>Odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae</p>	<p>8 oz./ gallon 2 oz./ quart 1 oz./pint</p>	<p><b>SPRAY:</b> Dilute <i>Goldshield</i>®5 in water; mix well. Make sure the roof or wall 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 the dilute solution of <i>Goldshield</i>®5 let stand until dry. <i>Goldshield</i>®5 treats approximately 200 square feet of roofing or wall per diluted gallon of water. If necessary, reapply <i>Goldshield</i>®5 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.</p>
	<b>Pest controlled</b>	<b>Dilution Rate</b>	<b>Method of Application</b>
<p>Buffer pads (polishing and abrasive), Polyurethane and cellulose foam for household sponges and mops, vacuum cleaner bags, umbrellas, casual shoes, athletic shoes</p>	<p>Odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)</p>	<p>8 oz./ gallon 2 oz./ quart 1 oz./pint</p>	<p><b>SPRAY:</b> Dilute <i>Goldshield</i>®5 in water; mix well. 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 <i>Goldshield</i>®5 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.</p>

	<b>Pest controlled</b>	<b>Dilution Rate</b>	<b>Method of Application</b>
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)	8 oz./ gallon 2 oz./ quart 1 oz./pint	<b>SPRAY:</b> Dilute <i>Goldshield</i> ®5 in water; mix well. 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 <i>Goldshield</i> ®5 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

MOLD, MILDEW, ODOR PROTECTOR AND INHIBITOR *Goldshield* ®5 is an antimicrobial agent effective against odor causing bacteria.

*Goldshield* ®5 is a Patented water-stable formula.

*Goldshield* ®5 is Water-stable during storage

*Goldshield* ®5 is Water-stable extending shelf life

*Goldshield* ®5 is an antimicrobial agent effective against bacteria which cause staining and discoloration.

*Goldshield* ®5 is an antimicrobial agent effective against fungi (mold and mildew).

*Goldshield* ®5 is an antimicrobial agent effective against algae.

*Goldshield* ®5 an antimicrobial agent, controls the source of odors on surfaces in the home, in the bathroom, in the kitchen.

*Goldshield* ®5 is a Bacteriostatic, fungistatic (mold and mildew), algaestatic.

*Goldshield*® 5 is an antimicrobial surface agent. This statement will appear directly under or next to the product Brand, in this case Goldshield 5 when being sold as a surface application not laundry application.

*Goldshield* ®5 an antimicrobial agent, inhibits smelly odors caused by mold and mildew that can grow even in the cleanest of homes.

*Goldshield* ®5, an antimicrobial agent, inhibits the growth of odor causing bacteria.

Effective on hard non-porous washable bathroom and 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.

Use on carpet and upholstery to inhibit odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew).

Unscented.

Use on carpet and upholstery to inhibit the growth of odor causing bacteria.

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, 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 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.

Prevents deterioration caused by bacteria and fungi (mold and mildew).

Inhibits deterioration caused by bacteria.

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.

Resists development of microbial odors, stains and discoloration due to bacteria, 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.

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, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.

**STORAGE AND DISPOSAL**

**Up to 5 gallons**

**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 ,pet food, feed, seed, fertilizers, and veterinary supplies

**Pesticide Disposal:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. [For

**Home owners use the statement will read: Pesticide disposal:** Wastes resulting from the use of this product may be disposed of on site]

**Container Disposal:** Nonrefillable container. 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 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. Drain for 10 seconds after flow begins to drip. Repeat this procedure two more times. Offer for recycling if available or dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. [

**For homeowners use statement will read :**

**Container Disposal:** Securely wrap original container in several layers of newspaper and discard in trash.]

**Up to 5 gallons**

**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 ,pet food, feed, seed, fertilizers, and veterinary supplies

**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.

**[For Home owners use the statement will read: Pesticide disposal:** Wastes resulting from the use of this product may be disposed of on site]

**Container Disposal:** Nonrefillable container. 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 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. Drain for 10 seconds after flow begins to drip. Repeat this procedure two more times. Offer for recycling if available or dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. **[ For homeowners use statement will read :**

**Container Disposal:** Securely wrap original container in several layers of newspaper and discard in trash.]

### 5 gallon containers and larger (not for homeowner)

#### 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 ,pet food, feed, seed, fertilizers, and veterinary supplies

**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.

**[For Home owners use the statement will read: Pesticide disposal:** Wastes resulting from the use of this product may be disposed of on site]

**Container Disposal:** Nonrefillable container. 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. 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. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling if available or dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Note: Any claims for paint use must be for the preservative of the paint in the can. *Goldshield* ®5 is to be used as an in can preservative for paints to control the growth of odor causing bacteria, bacteria which causes staining and discoloration, fungi (mold and mildew) and algae.

FOR MORE INFORMATION CONCERNING THIS PRODUCT, PLEASE CONSULT THE MATERIAL SAFETY DATA SHEET (MSDS). THE MSDS CAN BE OBTAINED BY WRITING : AP Goldshield LLC , 9570 Pan American Dr., El Paso Texas, 79927 or emailing: [info@goldshield1.com](mailto:info@goldshield1.com)

**IMPORTANT: WARRANTY AND DISCLAIMER INFORMATION**

AP GOLDSHIELD, LLC warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated in this bulletin when used 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.

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