

82077-4

08/29/2007

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Avenue NW
Washington, D.C. 20460

Number:

82077-4

Date of

Issuance:

AUG 29 2007

Term of Issuance:

Conditional

Name of Pesticide Product:

Mold Shield

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Microbe Guard Inc.
6901 East Fish Lake Road, Suite 132
Maple Grove, Minnesota 55369

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec 3(c)(7)(a) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA section 4.
2. Make the labeling changes listed below before you release the product for shipment:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 82077-4".

Signature of Approving Official:

Velma Noble
Product Manager Team-31
Regulatory Management Branch I
Antimicrobials Division (7510P)

Date:

AUG 29 2007

EPA Form 8570-6

CONCURRENCES

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- b. Mold Shield has been classified as Tox IV, based on the Toxicity Data used to support this product. A Signal Word, First Aid Statements, and Precautionary Language are not required for products in this category. Delete the Signal Word, First Aid Statements, and Precautionary Language from pages one and two of your label.
- c. Revise pages three and six such that the statement beginning: "Building materials and components..." reads exactly as follows: *"Building materials and components: siding, insulation and non-food contact cabinetry, wallboard, wood and wood components: interior structural wood as defined as only wood needed for basic building structures as found in the dried in stage of construction, wood in dried contact with foundations, interior and exterior wall sill plates, wood studs, wood or cellulosic sheathing, floor joists and sub-flooring. Not to be used in association with in-ground contact applications, landscape timbers, docks, boardwalks, decking, and deck furniture or other dimensional lumber."*
- d. Revise pages three and six by revising the statement which refers to conveyor and humidifier belts to read as follows: "Non-food contact *conveyor belts*, humidifier belts"
- e. Revise pages three and six by deleting the following statement which is not on the cited "me-too" product 70871-5. Delete: "Exterior walls (such as stone, concrete, brick)."
- f. Revise pages three, four, six and seven by deleting the following surfaces which are not appropriately qualified: "fibers," "fiberglass," (from the section beginning: Interior non-food contact hard surfaces) "and household materials" (from the statement beginning: Leather), "towels," "upholstery," and "wiping cloths."
- g. Revise page three to read as follows: "Fiberglass ductboard for air handling systems *at the point of manufacture.*"
- h. Revise pages three and six by deleting the repetitive statement: "Humidifier belts."
- i. Delete the repetitive occurrence of each of the following uses in the approved commercial and industrial applications section of your label (pages three and six): "ropes," "sand bags," and "sponges and mops."
- j. Revise pages three and seven by clarifying the section beginning: Interior non food contact hard surfaces..." to begin exactly as follows: "Interior non food contact hard *surfaces: floors, walls, ceiling tiles, ceramic tile, concrete, chrome....*

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- k. Revise page five by making deletions and corrections to reflect that this product is ready-to-use. Delete both instances of the following statement: "MoldShield treats approximately 200 square feet per diluted gallon of water." Revise the following to read: "For commercial application equipment (i.e. carpet/upholster steamers...pressure sprayers apply *without dilution* and then let..."
- l. Delete the following statement from page six as treatment of this surface is to take place at the point of manufacture and is not to be accomplished by commercial applicators in non-manufacturing settings. Delete: "Fiberglass ductboard for air handling systems."
- m. Delete the following section from page seven as this use is only appropriate in manufacturing settings. Delete: "MoldShield can be used in paints and coatings as an in can preservative for protection of paint film...and blends and copolymers thereof."
- n. Revise pages nine and ten by deleting the following surfaces from the treatment by homeowners as these surfaces are not in agreement with the cited "me-too" label: 70871-5. Delete: "Carpet fiber and backing," "Carpet cushion and pad," "Wall board (drywall and gypsum)," "Wood surfaces," and "Concrete or cinder block."
- o. Revise the directions in the Carpeting section on pages nine and ten as follows: "For rotary jet extraction cleaners and carpet steamers, *add MOLD SHIELD directly* to cleaning tank, then operate the equipment in accordance with manufacturer's instructions *so that the product is not diluted*. Apply..." In addition, delete the following statement which is not in agreement with a ready to use product: "MOLD SHIELD treats approximately 200 square feet per diluted gallon of water."
- p. Revise page eleven by deleting the following surfaces from the treatment by homeowners as these surfaces are not in agreement with the cited "me-too" label: 70871-5. Delete: "Exterior walls (such as stone, concrete, brick)," "Building materials and components (including siding, wall board, wood and wood composites, insulation and non-food contact cabinetry)," "Wood."
- q. Revise the directions in the Roofing Materials section on page eleven as follows: "Make sure the *roof is clean* prior to..." In addition, delete the following statement which is not in agreement with a ready to use product: "MOLD SHIELD treats approximately 200 square feet of roofing per diluted gallon of water."
- r. Revise page thirteen as follows so that this statement will be in agreement with the cited "me-too" label for 70871-5: "Use on carpet and upholstery to inhibit the growth of odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew)" by deleting the reference to algae

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s. Revise the "Pesticide Disposal" statement on page fourteen to use mandatory language as per PR Notice 2000-5 as follows: "Wastes resulting from the use of this product *must* be disposed..." Make this correction to both occurrences in this section.

t. You have indicated that your product will be marketed in metal, plastic and glass containers. Thus revise the "Storage and Disposal" section of the label by correcting the "Container Disposal" statements to be in agreement with PR Notice 83-3 as follows:

"Metal Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Plastic Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Glass Containers: Triple rinse (or equivalent). Then dispose of in a sanitary landfill, or by other approved state and local procedures.

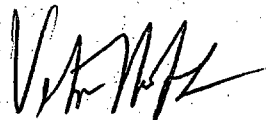
You may continue to include the Homeowner use statement in this section.

u. Revise the "Warranty and Disclaimer" section such that it refers to the label not the bulletin, as you have only supplied a label for this product. Revise to state: "...for the purposes stated in this *label* when used in..." and "...to the use of this product contrary to *label* instructions..."

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records. Submit one (1) copy of your final printed labeling prior to release of this product for shipment. If you have any questions concerning this letter, please contact Tracy Lantz at (703) 308-6415.

Sincerely,



Velma Noble
Product Manager 31
Regulatory Branch I
Antimicrobials Division (7510P)

Enclosure: (Stamped Label)

7510P: T. Lantz: 8/24/07: 82077-4

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**MICROBE
GUARD**

ACCEPTED
with COMMENTS
in EPA Letter Dated:
AUG 29 2007

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.

**Mold Shield
ANTIMICROBIAL AGENT**

A Silicone Quaternary Ammonium Salt

Active Ingredient: 3-(trihydroxysilyl) propyldimethyloctadecyl ammonium chloride **0.75%**
Inert Ingredients: **99.25%**
TOTAL INGREDIENTS: **100.0%**

KEEP OUT OF REACH OF CHILDREN

EPA Reg. No. 82077-

CAUTION

EPA EST. 82077-MN-xx

NET CONTENTS: 2, 4, 8, 16, 20, 22, 32 or 36 fluid oz.; 1, 5, 55, 150, 250, 275 or 300 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 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.

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.

An Antimicrobial 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

Caution. Causes moderate eye irritation. 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. 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 MOLD SHIELD can be achieved by the addition of anionic surfactant (such as soap, sulfonates, sulfates) in quantity equivalent to that of MOLD SHIELD.

Homeowner 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

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.

Do not use in any application involving direct or indirect food or drinking water contact.

MOLD SHIELD can be applied to organic or inorganic substrates by brushing, dipping, padding, soaking, spraying, fogging or by using foam finishing techniques.

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 MOLD SHIELD every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

Approved commercial and industrial applications

The active ingredient in MOLD SHIELD is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent. MOLD SHIELD 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
- Apparel recreational gear, outerwear, sportswear, sleepwear, socks, hosiery, undergarments, gloves and uniforms
- Aquarium filter material
- Athletic gear and sports equipment
- Automotive and vehicular parts
- Awnings
- Building materials and components (including siding, wall board, ~~wood and wood composites~~, insulation and non-food contact cabinetry
- Blankets
- Bedspreads
- Bed sheets, blankets, and bedspreads
- Bathroom and non-food contact kitchen hardware
- Book covers and pictures
- Buffer pads (abrasive and polishing)
- Carpets, carpet underlay and draperies
- Ceiling Tiles
- Cloth for sails
- Curtains
- Draperies
- Non-food contact counter tops
- Concrete products
- Concrete additive for sewer pipes, manholes and concrete sewer structures; not to be used in treatment of storm drains
- Non-food contact convey or humidifier belts
- Non-woven disposable diapers
- ~~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
- ~~Fibers~~
- Fire hose fabric
- Fabrics (natural and synthetic, woven and non-woven)
- Fiberglass ductboard for air handling systems
- Filling and ticking
- Fire hose fabric
- Flooring
- Floor covering
- Foam for packing and cushioning in non-food contact applications
- Footwear (boots, shoes and components)
- Furniture
- General purpose (non-food contact) containers
- ~~Handlins, belts~~
- Interior non-food contact hard surfaces including: floors, walls, ceiling, ceramic, tile, concrete, chrome, stainless steel, ~~fiberglass~~, vinyl, porcelain, paper wall covering, wood and glass fixture, marble, aluminum, book covers, pictures and furniture.
- ~~Leather and household materials~~ (natural and synthetic)
- Mattress pads and ticking
- Mats
- Men's underwear and outerwear
- Non-woven disposable diapers
- Non-woven polyester

- Outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos)
- Disposable polyurethane foam cushions for Lapidus Airfloat Systems;
- MOLD SHIELD 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, woodstains, architectural paints, laquer and maintenance coatings, films, laminates and finishes including alkyd, urethane, enamel, epoxy, siloxaline , amino resins, textile coatings, extrusion coatings, architural coatings and overlays, anti-corrosion coatings, fire-resistant coatings, aliphatic coatings, vinylester and polyester coatings, gel coatings, amino resins, resins used as additive mixes for cement, epoxy laminating resins, and blends and copolymers thereof; *
- Pillow covers
- Plumbing supplies and fixtures
- Polyurethane and cellulose foam for household, industrial, and institutional sponges and mop
- 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)
- Quilts and pillows
- Roofing materials - defined as shingles, roofing granules, tiles, membranes, underlayment wood shakes, felt, stone and synthetic overcoats
- ~~Ropes~~
- Rugs
- ~~Sand bags~~
- Sheet and formed glass
- Sand bags, tents, tarpaulins, sails, and ropes
- Athletic and casual shoes
- Shoe insoles
- ~~Sponges and mops~~
- Shower curtains
- Socks comprised of nylon, nylon/orlon, cotton/nylon, linen/Lycra, acrylic/polypropylene/nylon/Lycra,* wool/silk/nylon/Lycra and wool/acrylic/nylon/Lycra
- Tarps
- Tents and other outdoor equipments
- Throw rugs
- ~~Towels~~
- Toweling made of 100 percent cotton, 100 percent polyester, and blends of the two fibers
- Toilet tank and seat covers
- Umbrellas
- ~~Upholstery~~
- 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
- ~~Wiping cloths~~
- Women's hosiery
- Women's intimate apparel

*. "Note: Any claims for paint use must be for the preservative of the paint in the can. MOLD SHIELD 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."

DIRECTIONS FOR USE

**Approved commercial applications used in homes, offices, automobiles and institutions
e.g., schools, hospitals, daycare centers, churches, correctional facilities, hotels, cruise and freight liners**

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.

Do not use in any application involving direct or indirect food or drinking water contact.

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 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. ~~MOLD SHIELD treats approximately 200 square feet per diluted gallon of water.~~ When treating coarser substrates, more MOLD SHIELD 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 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. ~~MOLD SHIELD treats approximately 200 square feet per diluted gallon of water.~~ When treating coarser substrates, more MOLD SHIELD 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 MOLD SHIELD 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 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 MOLD SHIELD every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

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

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

MOLD SHIELD 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
- Apparel, recreational gear, outerwear, sportswear, sleepwear, socks, hosiery, undergarments, gloves and uniforms
- Aquarium filter material
- Athletic gear and sports equipment
- Automotive and vehicular parts
- Awnings
- Building materials and components (including siding, wall board, ~~wood and wood composites~~, insulation and non-food contact cabinetry
- Blankets
- Bedspreads
- Bed sheets, blankets, and bedspreads
- Bathroom and non-food contact kitchen hardware
- Book covers and pictures
- Buffer pads (abrasive and polishing)
- Carpets, carpet underlay and draperies
- Ceiling Tiles
- Cloth for sails
- Curtains
- Draperies
- Non-food contact counter tops
- Concrete products
- Non-food contact convey or humidifier belts
- Non-woven disposable diapers
- ~~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
- ~~Fibers~~
- Fire hose fabric
- Fabrics (natural and synthetic, woven and non-woven)
- ~~Fiberglass ductboard for air handling systems~~
- Filling and ticking
- Fire hose fabric
- Flooring
- Floor covering
- Foam for packing and cushioning in non-food contact applications

PAGE 7 - MASTER LABEL FOR MOLD SHIELD

- Footwear (boots, shoes and components)
- Furniture
- General purpose (non-food contact) containers
- ~~Humidifier belts~~
- Interior non-food contact hard surfaces including:
floors, walls, ceiling, ceramic, tile, concrete, chrome,
stainless steel, fiberglass, vinyl, porcelain, paper wall
covering, wood and glass fixture, marble, aluminum,
book covers, pictures and furniture.
- Leather ~~and household materials~~ (natural and
synthetic)
- Mattress pads and ticking
- Mats
- Men's underwear and outerwear
- Non-woven disposable diapers
- Non-woven polyester
- Outerwear apparel (jackets, sweaters, sweatshirts,
coats, raincoats, overcoats, jerseys, ponchos)
- Disposable polyurethane foam cushions for Lapidus
Airfloat Systems;
- ~~MOLD SHIELD 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, woodstains,
architectural paints, lacquer and maintenance
coatings, films, laminates and finishes including alkyd,
urethane, enamel, epoxy, siloxane , amino resins,
textile coatings, extrusion coatings, architural 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;~~
- Pillow covers
- Plumbing supplies and fixtures
- Polyurethane and cellulose foam for household,
industrial, and institutional sponges and mop
- 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)
- Quilts and pillows
- Roofing materials - defined as shingles, roofing
granules, tiles, membranes, underlayment wood
shakes, felt, stone and synthetic overcoats
- ~~Ropes~~
- Rugs
- ~~Sand bags~~
- Sheet and formed glass
- Sand bags, tents, tarpaulins, sails, and ropes
- Athletic and casual shoes
- Shoe insoles
- ~~Sponges and mops~~
- Shower curtains
- Socks comprised of nylon, nylon/orlon, cotton/nylon,
linen/Lycra, acrylic/polypropylene/nylon/Lycra,
wool/silk/nylon/Lycra and wool/acrylic/nylon/Lycra
- Tarps
- Tents and other outdoor equipments
- Throw rugs
- ~~Towels~~
- Toweling made of 100 percent cotton, 100 percent
polyester, and blends of the two fibers
- Toilet tank and seat covers
- Umbrellas
- ~~Upholstery~~

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.

Does not use in any application involving direct or indirect food or drinking water contact.

Approved homeowner uses

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

	Pest controlled	Method of Application
Bedsheets, blankets, bedspreads, curtains, draperies (washable only), underwear, socks, intimate apparel, hoisery, throw rugs, toweling, toilet tank covers, shower curtains, shoe insoles, outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos). MOLD SHIELD 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)	<p>DIP/SOAK: Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough MOLD SHIELD 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 clothes dryer).</p> <p>If necessary, reapply MOLD SHIELD every three months or if odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.</p>

		<p>SPRAY: 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 MOLD SHIELD every three months or if odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.</p>
	Pest controlled	Method of Application
<p>Air filters and air filter material for</p> <ul style="list-style-type: none"> • Furnaces, air conditioners • Air purification systems • Automobiles • Recirculating air handling systems • Vacuum cleaner filters • Aquariums 	<p>Odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)</p>	<p>SPRAY: 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 MOLD SHIELD every three months or if odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.</p>
	Pest controlled	Method of Application
<p>Carpeting Carpet fiber and backing Carpet cushion and pad Wall board (drywall and gypsum) Wood surfaces</p>	<p>Odor causing bacteria, bacteria which cause</p>	<p>SPRAY: 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 MOLD SHIELD solution.</p>

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Concrete or cinder block	staining and discoloration , and fungi (mold and mildew)	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. MOLD SHIELD treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates (e.g., wool carpeting), more MOLD SHIELD 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 MOLD SHIELD every three months or if odor, staining and discoloration due to bacteria, mold stains, and mildew stains return
	Pest controlled	Method of Application
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)	SPRAY: 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 MOLD SHIELD every three months or if odor, staining and discoloration due to bacteria, mold stains and mildew stains return.
	Pest controlled	Method of application
Tents, tarpaulins, sails, ropes.	Odor	SPRAY: Clean surface prior to application. Using a trigger

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	causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	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 MOLD SHIELD every three months or if odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.
	Pest controlled	Method of application
Roofing materials (such as shingles, roofing granules, wood shakes, felt, stone, synthetic overcoats) Exterior walls (such as stone, concrete, brick) Building materials and components (including siding, wall board, wood, and wood composites, insulation and non-food contact cabinetry) Wood	Odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	SPRAY: 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 MOLD SHIELD, let stand until dry. MOLD SHIELD treats approximately 200 square feet of roofing or wall per diluted gallon of water. If necessary, reapply MOLD SHIELD every three months or if odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.
	Pest controlled	Method of application
Buffer pads (polishing and abrasive), Polyurethane and cellulose foam for household sponges and mops, vacuum cleaner bags, umbrellas, casual shoes, athletic shoes	Odor causing bacteria, bacteria which cause staining and discoloration, and	SPRAY: 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 MOLD SHIELD every three months or if odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

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	fungi (mold and mildew)	
	Pest controlled	Method of application
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, synthetic quartz, synthetic granite, plastic, vinyl	Odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	SPRAY: 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 MOLD SHIELD every three months or if odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

MOLD, MILDEW, ODOR PROTECTOR AND INHIBITOR

MOLD SHIELD is an antimicrobial agent effective against odor causing bacteria.

MOLD SHIELD is an antimicrobial agent effective against bacteria which cause staining and discoloration.

MOLD SHIELD is an antimicrobial agent effective against fungi (mold and mildew).

MOLD SHIELD is an antimicrobial agent effective against algae.

MOLD SHIELD, an antimicrobial agent, controls the source of odors on surfaces in the home, in the bathroom, in the kitchen.

Bacteriostatic, fungistatic (mold and mildew), algaestatic.

MOLD SHIELD, an antimicrobial agent, inhibits smelly odors caused by mold and mildew that can grow even in the cleanest of homes.

MOLD SHIELD, 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®, Corian®, Silestone® stainless steel, synthetic marble and synthetic Quartz.

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.

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PAGE 13 - MASTER LABEL FOR MOLD SHIELD

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.

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.

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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 Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. **[For homeowner use statement will read: "Container Disposal: Securely wrap original container in several layers of newspaper and discard in trash."]**

Note: Any claims for paint use must be for the preservative of the paint in the can. MOLD SHIELD is to be used as an in can preservative for paints to control the growth of odor causing bacteria, bacteria which cause 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 Microbe Guard Inc, 6901 East Fish Lake Road, Suite 132, Maple Grove, MN 55369 or at www.microbeguardinc.com. Emergency telephone number (763) 493-0080

IMPORTANT: WARRANTY AND DISCLAIMER INFORMATION

Microbe Guard Inc., 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. MICROBE GUARD INC. DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING THE WARRANTY OF MERCHANTABILITY.