Tile Doctor Shield 72-36

{ABNs: Bio-Free; Grout Shield; Tile Doctor Grout Shield; Tile Grout Shield}

{Select Marketing Claims and Graphics from "*Marketing Claims*" and "*Graphics*" sections below}

EPA Reg. No. 86200-2 EPA Est. _____
Subscript used is the first letter of run code on container

Active Ingredient:	
3-(trihydroxysilyl)propyl dimethyloctadecyl ammonium chloride	3.6%
Other Ingredients	96.4%
Total	100.0%

Keep Out of Reach of Children
CAUTION
See back [side] panel for First Aid and additional Precautionary Statements

Lot No. _____

Manufactured For:
Tile Media Properties Inc.
1395 S. Marietta Parkway SE
Bldg. 200, Ste 222
Marietta, GA 30067

ACCEPTED
Jun 16, 2021
Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 86200-2

Net Contents: _____ fl. oz.
[☐ 1 Pint ☐ 5 Gallons
☐ 1 Quart ☐ 55 Gallons
☐1 Gallon ☐ 275 Gallons
☐ ___ Gallons]

{Back/Side Panels}

First Aid

If in Eyes:	• Hold eyes 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 eyes. • Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies call the poison control center at 1-800-222-1222. For general information on this product, call 1-866-651-2690 or contact the National Pesticides Information Center (NPIC) at 1-800-858-7378 Monday through Friday, 8:00 am to 12:00 pm Pacific Time or at http://npic.orst.edu. For transportation emergency information contact CHEMTREC at 1-800-424-9300.	

{The First Aid statements' grid format will be used if label allows, otherwise a paragraph format will be used.}

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Causes moderate eye irritation. Avoid contact with eyes. Thoroughly wash with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Environmental Hazards

{For product in containers greater than or equal to 5 gallons:}

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.

Deactivation may be required during clean up if a spill occurs. Deactivation of Tile Doctor Shield 72-36 can be achieved by the addition of an anionic surfactant or detergent (such as soap, sulfones or sulfates) in quantity equivalent to that of the active ingredient.

{For product in containers less than 5 gallons:}
This pesticide is toxic to fish.

DIRECTIONS FOR USE

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

INDUSTRIAL USE PRODUCTS

For Industrial Use: this product is registered for formulation into Antimicrobial Products or as a microbiostatic agent for material preservation.

- Antimicrobial product formulations containing Tile Doctor Shield 72-36 require approval by the US EPA for antimicrobial claims made. Formulators are responsible for satisfying registration requirements for their formulated products.
- For use as a microbiostatic agent for material preservation, neither this product nor the articles treated with this product may state or imply any public health claims. Articles or substances treated with this product will be exempt from FIFRA regulation pursuant to 40 CFR § 152.25(a) if the intended use for incorporating this material into a treated article or substance is for the protection of the article or substance itself.

Tile Doctor Shield 72-36 may be applied to or incorporated into manufactured products listed below for use in commercial, industrial, institutional or residential locations for non-food contact uses: {Select areas/surfaces from "Non-Food Commercial, Industrial, Institutional and Residential Uses/Areas/Surfaces" section below"}.

How to Use:
Incorporate Tile Doctor Shield 72-36 directly into formulations used to make end-use product or dilute with water and then apply to organic and inorganic surfaces to give 0.1 to 1.0 percent by weight of active ingredient. Prepare aqueous solutions by adding Tile Doctor Shield 72-36 to water with stirring. Poor agitation when adding Tile Doctor Shield 72-36 to water can result in locally high concentrations which may form gel particles. Treat surfaces with the aqueous solution by brushing, dipping, padding, soaking or spraying until adequately wet, or apply by foaming techniques. After applying treatment, allow the surface to dry at temperatures from ambient to a maximum of 320ºF (160ºC) to effect complete curing of silanol groups and to remove water, solvents and/or traces of methanol from hydrolysis. Curing of polymer may be accelerated or enhanced with heat or catalysis. For each application, determine optimum application and drying conditions, such as time and temperature, before use. If desired, reapply Tile Doctor Shield 72-36 if odor, staining and discoloration due to bacteria, mold or mildew occur.

COMMERCIAL USE PRODUCTS

For Commercial Applications (in Homes, Offices, Automobiles and Institutions): This product is registered as a microbiostatic agent for only material preservation; neither this product nor the articles treated with this product may state or imply any public health claims. Articles or substances treated with this product will be exempt from FIFRA regulation pursuant to 40 CFR § 152.25(a) if the intended use for incorporating this material into a treated article or substance is for the protection of the article or substance itself.

Tile Doctor Shield 72-36 is an effective static agent against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae. Use as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) activity {Select areas/surfaces from "Non-Food Commercial, Industrial, Institutional and Residential Uses/Areas/Surfaces" section below".}:

How to Use:
Use Tile Doctor Shield 72-36 on only clean, dry areas, articles and surfaces. Remove children and pets from areas to be treated, or areas where articles will be treated, until application is completely dry. Prior to application, test for staining and colorfastness by treating and drying a small, concealed portion of area/article/surface to be treated. For each application, determine optimum application and drying conditions, such as time and temperature, before use. If desired or necessary, reapply Tile Doctor Shield 72-36 if odor, staining and discoloration due to bacteria, mold or mildew occur.

Prepare aqueous solutions by adding Tile Doctor Shield 72-36 to water with stirring. Poor agitation when adding Tile Doctor Shield 72-36 to water can result in locally high concentrations which may form gel particles. Suggested starting level is 1 part of Tile Doctor Shield 72-36 to three parts of water. Treat surfaces with the aqueous solution by brushing, dipping, padding, soaking or spraying until adequately wet or apply by foaming techniques.

Dry the surface at temperatures from ambient to a maximum of 320ºF (160ºC) to effect complete condensation of silanol groups and to remove water, solvents and/or traces of methanol from hydrolysis. If necessary, reapply Tile Doctor Shield 72-36 every three months or when odor, staining and discoloration due to bacteria, mold and mildew return.

For Commercial Spray Equipment, including electrostatic, and Pump Sprayer Application: Dilute 1 part of Tile Doctor Shield 72-36 to three parts of water. Spray entire surface at a distance of 4-6 inches from the surface making sure that the surface is completely covered, 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. When treating coarser substrates, more Tile Doctor Shield 72-36 may be required due to absorption.

For Dipping/Soaking Application: Use appropriately sized washbasin or tub for dipping/soaking the item you are treating. Use enough Tile Doctor Shield 72-36 solution to completely submerge item for 3 minutes. Remove item and dry. Do not reuse solution after dipping/soaking.

CONSUMER USE PRODUCTS
Read entire label before using.

How to Use:
Use Tile Doctor Shield 72-36 on only clean, dry areas, articles and surfaces. Remove children and pets from areas to be treated, or areas where articles will be treated, until application is completely dry. Prior to application, test for staining and colorfastness by treating and drying a small, concealed portion of area/article/surface to be treated. For each application, determine optimum application and drying conditions, such as time and temperature, before use. If desired or necessary, reapply Tile Doctor Shield 72-36 if odor, staining and discoloration due to bacteria, mold or mildew occur.

Washable Fabrics/Textiles
Dipping/Soaking: Use a wash tub or machine for soaking the items you are treating. Always treat only clean items and use only fresh rinse water.
Wash Tub: Use washbasin or tub big enough to completely soak the item you are treating. Add 1 fluid ounce of Tile Doctor Shield 72-36 to sufficient water to soak 4 lbs. of fabric, 2 fluid ounces for 8 lbs. Completely submerge items in solution for 3 minutes. Remove items and dry. Do not reuse solution after dipping/soaking. Treated items may be dried at room temperature or in a clothes dryer at the appropriate setting for the items.
Washing Machine: Run only the rinse cycle. Add 2 fluid ounces of Tile Doctor Shield 72-36 for small, 3 fluid ounces for medium or 4 fluid ounces for large load settings on the machine. Run the full rinse cycle to treat the fabrics, then allow to dry overnight or use a dryer under the appropriate heat setting for the fabrics being treated.
Spray Application: Dilute one part of Tile Doctor Shield 72-36 to three parts of water and mix or shake well. Using trigger pump sprayer or pressure sprayer, spray entire surface of area 4”-6” from the surface making sure the surface

is completely covered. Let stand until dry or dry under the appropriate heat setting for fabrics being treated. If spotting occurs, wipe with moist cloth or sponge. Test for staining and colorfastness of fabric by treating and drying a small concealed area prior to application. If necessary, reapply every three months or when odor, staining and discoloration due to bacteria, mold stains or mildew stains return.

Carpet and Upholstery/Furniture

Spray Application: Always apply only to clean surfaces. Dilute one part of Tile Doctor Shield 72-36 to three parts of water and mix or shake well. Apply to carpet and furniture using a trigger pump sprayer or pressure sprayer. Spray entire surface from a distance of 4-6 inches until completely covered. The amount needed for treatment will depend on the coarseness and absorbency of the material being treated. A fan may be used to assist in drying carpeting. If spotting occurs, wipe with moist cloth or sponge. If necessary, reapply every three months or when odor, staining and discoloration due to bacteria, mold or mildew stains return.

For Surfaces

For use on {Select areas/surfaces from "Non-Food Commercial, Industrial, Institutional and Residential Uses Areas/Surfaces" section below.}:
Spray: Dilute one part of Tile Doctor Shield 72-36 to three parts of water and mix or shake well. Apply to surface using a trigger pump or pressure sprayer. Spray entire surface from a distance of 4-6 inches until completely covered. Thoroughly dry before use. If spotting occurs, wipe with moist cloth or sponge.

Grout and Cement Mix Additive

For use as a grout or cement (sanded or unsanded) additive as part of the water, add the dry mix directly to Tile Doctor Shield 72-36 when preparing the grout or cement following the grout or cement manufacturer's preparation directions. Addition of Tile Doctor Shield 72-36 inhibits the growth of odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae on the surface of the cured grout.
Uses: Use treated cement in indoor and outdoor applications. Coverage ranges expected from grout manufacturer's normal use directions will not change.
Sanded Grout: Use 70 fluid ounces of Tile Doctor Shield 72-36 to 25 pounds of sanded grout. If adding Tile Doctor Shield 72-36 to less than 25 pounds of sanded grout add approximately 2.8 fluid ounces per pound of sanded grout.
Unsanded Grout: Add approximately 4.8 fluid ounces of Tile Doctor Shield 72-36 per pound of unsanded grout or 48 fluid ounces of Tile Doctor Shield 72-36 per 10 pounds of unsanded grout.
Application: Invert bottle several times to mix product. To achieve a specific grout consistency, add 3/4 of Tile Doctor Shield 72-36 volume indicated above. Add grout and stir continuing to add Tile Doctor Shield 72-36 until reaching the desired consistency. If the entire container is emptied and more liquid is needed, add up to 5 extra fluid ounces of cool potable water to reach desired consistency, mixing thoroughly. Allow mixture to sit for 10 minutes. Do not add more liquid. Use grout manufacturer's instructions in the application process. Do not allow traffic on grouted surface for at least 24 hours; do not allow direct water addition, cleaning or freezing temperatures for at least 10 days or grout manufacturer's directions, whichever is longer. There is no need to seal grout.
Maintenance: Routine maintenance and cleaning of the grout is required. Clean up spills as they occur

Allow tile applications to cure at least 24 hours or follow grout manufacturer's recommendation before applying grout. If tile and stone are to be sealed, do so and allow curing before applying grout. Do not use Tile Doctor Shield 72-36 with liquid or ready to use grout. Do not mix Tile Doctor Shield 72-36 with any other additives. Follow grout manufacturer's recommendations for suitability of installation surfaces or test a small area for suitability.

Filters and Filter Material

For use on {Select areas/surfaces from "Non-Food Commercial, Industrial, Institutional and Residential Uses Areas/Surfaces" section below.}:
Spray Application: Remove filter from unit and clean. Dilute one part of Tile Doctor Shield 72-36 to three parts of water and mix or shake well. Apply to surface using a trigger pump or pressure sprayer. Spray entire surface from a distance of 4-6 inches until completely covered. Allow to thoroughly dry before use.

For Use to Preserve Finished Food Contact Articles/Surfaces Subject to FDA Regulations

Incorporate this product as an antimicrobial additive at or below the maximum concentration of 1 weight percent of the resin, laminate or coating into the polymeric manufactured products listed below that are used for handling, holding, manufacturing, packaging, packing and/or transporting, food when such use is not intended to have any antimicrobial effect in the food itself. Do not incorporate this product into any food- or drinking water-contact application listed on this label unless the substance is approved, with associated use conditions, for food contact in 21 CFR § 174-186 (inclusive) as amended, or in the U.S. FDA's Food Contact Substance Notification System, as amended.

This Food Contact Substance (FCS) can be used as an additive without food type or temperature limitation in food preparation surfaces where the FCS is either incorporated into the resin, a food contact laminated layer or applied to the surface as part of a coating. This FCS may be used at a maximum use level of 1 weight percent of the resin, laminate or coating.

Food contact coatings, films and laminates at a maximum concentration of 1 weight percent of the resin, laminate or coating: 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/piping systems, silos, tanks and process vessels), cookware, countertops and cutting boards made from composite materials, stainless steel, laminates), food wrap (including coated deli paper, coated food interleavers, plastic wrap, polystyrene and plastic trays, aluminum foil), general purpose containers 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, packaging, paper products (such as wipes, tissues, wall coverings, towels), plastic film, sinks and other vessels used for cleaning or transporting food and beverage products.

Polymeric tubing for the transfer of beverages and drinking water at a maximum concentration of 1 weight percent of the finished tubing: Food contact molded plastic and metal parts including beverage dispensing equipment tubing, beverage processing equipment tubing, holding tanks and pumps.

Repeat use activated carbon water filters and other filter media at a maximum use level of 0.25 weight percent of the carbon block: Activated carbon water filters and synthetic woven or non-woven media, zeolite and other natural media.

{For Products Other than Household/Residential Uses in Containers of 5 gallons or less:}

Storage and Disposal

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

Pesticide Storage: Store in original, tightly closed container in an area inaccessible to children or persons unfamiliar with its use. Keep tightly closed until ready to use. Reclose tightly after each use. When stored in original, unopened containers at or below 77ºF (25ºC), Tile Doctor Shield has a minimum shelf life of 12 months from date of shipment.

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

Container Handling: Nonrefillable 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. Drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into container for disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Dispose of rinsate by following instructions for pesticide disposal or store rinsate for later disposal. Then offer empty container for recycling, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

{For Products Other than Household/Residential Uses in Containers greater than 5 gallons:}

Storage and Disposal

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

Pesticide Storage: Store in original, tightly closed container in an area inaccessible to children or persons unfamiliar with its use. Keep tightly closed until ready to use. Reclose tightly after each use. When store in original, unopened containers at or below 77ºF (25ºC), Tile Doctor Shield has a minimum shelf life of 12 months from date of shipment.

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

Container Handling: Nonrefillable 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. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty rinsate into container for disposal. Repeat this procedure two more times. Dispose of rinsate by following instructions for pesticide disposal or store rinsate for later disposal. Then offer empty container for recycling, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

{For Household/Residential Use Products:}

Storage and Disposal

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

Pesticide Storage: Store in original, tightly closed container in an area inaccessible to children or persons unfamiliar with its use. Store away from food and pet food. Keep tightly closed until ready to use. Protect from freezing. Reclose tightly after each use.

Pesticide Disposal and Container Handling: Nonrefillable container. Do not reuse or refill this container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

[Limited Warranty

Satisfaction Guaranteed. If not completely satisfied with this product's performance, when used as directed, contact Tile Media Properties Inc. in writing within one year of purchase for exclusive remedy of either refund of purchase price or product replacement upon return of unused portion with proof of purchase. Determining suitability of product

for any intended purpose shall be solely the responsibility of the user. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE, WHICH EXTEND BEYOND THE DESCRIPTION ON THIS LABEL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, TILE MEDIA PROPERTIES INC. IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, HOWEVER OCCASIONED.]

Marketing Claims}

A Silane Quaternary Ammonium Salt

Product Features and Benefits

- Tile Doctor Shield 72-36 imparts durable biostatic activity to the surface of a wide variety of substrates.
- Tile Doctor Shield 72-36 is effective as a static agent against odors/discoloration caused by bacteria, mold, mildew, yeast and algae.
- Efficiency [increased efficacy] through proper application, durable bacteriostatic, fungistatic and algaestatic surfaces can be attained with a minimum amount of Tile Doctor Shield 72-36.
- Provides freshness and combats deterioration and discoloration caused by bacteria, fungi, yeast and algae.
- Tile Doctor Shield 72-36 is a fast, easy and affordable solution for staining and discoloration caused by mold and mildew. It helps in the fight to clean and prevent mold and mildew on the inside and outside of your home.
- Acid & Chemical Resistant
- Creates an invisible barrier that inhibits the growth of mold and mildew
- Creates an invisible barrier that inhibits the growth of odor-causing bacteria
- Great for roofs. Reapply every 3 months if needed.
- High Strength
- Prevents Mold and Mildew Stains and Odors
- Promotes Color Uniformity
- Protects indoors and out!
- Stain Resistant
- Water-Based & Odor Free
- Spray on installed glazed tiles and wallpaper, tubs, shower curtains, shower stalls, sinks window sills, cabinets, garbage cans, appliances and vanity tops weekly to replenish barrier.
- As an antimicrobial agent, Tile Doctor Shield 72-36 inhibits the growth of odor causing bacteria, bacteria which cause staining and discoloration, fungi, mold, mildew and algae.
- Tile Doctor Shield 72-36 can be used as a final bacteriostatic finish to impart bacteriostatic, fungistatic (mold and mildew) and algaestatic activity that provides freshness and reduces surface deterioration and microbiologically induced corrosion.
- Tile Doctor Shield 72-36 can be applied to manufactured good during the manufacturing process or at the manufacturing process or at the finishing stage before delivery or installation of manufactured goods for the purpose of providing freshness while protecting the manufactured goods' surfaces from staining or discoloration caused by bacteria, fungus, yeast, algae, mold or mildew. Goods treated in this manner qualify under the treated articles exemption per 40 CFR 152.25(a),
- Tile Doctor Shield 72-36 can be applied to manufactured goods prior to installation or post installation as an extension of the manufacturing process and thus qualify as an exempted treated article.
- Tile Doctor Shield 72-36 is a moldicide, mildewicide, odor protector and inhibitor.
- Tile Doctor Shield 72-36 is an antimicrobial agent effective against odor-causing bacteria on treated surfaces.
- Tile Doctor Shield 72-36 is an antimicrobial agent effective against bacteria which cause staining and discoloration on treated surfaces.
- Tile Doctor Shield 72-36 is an antimicrobial agent effective against algae, fungi (mold and mildew) on treated surface.
- Tile Doctor Shield 72-36, an antimicrobial agent, controls the mold, mildew and bacterial sources of odors on surfaces in home, including bathrooms and kitchens.

- Tile Doctor Shield 72-36 is a bacteriostatic, fungistatic (mold and mildew) and algaestatic agent on treated surfaces.
- Tile Doctor Shield 72-36 is an antimicrobial agent that inhibits four odors caused by mold, yeast, algae and mildew, on treated surfaces, that can grow in even the cleanest of environments.
- Tile Doctor Shield 72-36 is an antimicrobial agent that inhibits the growth or odor-causing bacteria on treated surfaces.
- Tile Doctor Shield 72-36 is effective on hard, non-porous washable bathroom and kitchen surfaces and fixtures.
- Tile Doctor Shield 72-36 is effective on [modern] hard, non-porous washable surfaces made of fiberglass, glazed porcelain, Formica, Corian, Silestone as well as stainless steel, synthetic marble and synthetic quartz [stone] surfaces.
- Tile Doctor Shield 72-36 imparts microbiostatic properties on treated surfaces to control odors, staining and discoloration from the damaging microbial effects of fungi, mold, bacteria, mildew and yeast.
- Tile Doctor Shield 72-36 is unscented [fragrance-free].
- Tile Doctor Shield 72-36 can be applied to carpet and upholstery to impart freshness and inhibit the growth of bacteria which cause odor, staining and discoloration.
- Tile Doctor Shield 72-36 can be applied to carpet and upholstery to impart freshness and inhibit the growth of fungi (mold and mildew).
- Tile Doctor Shield 72-36 can be applied to carpet and upholstery to impart freshness and inhibit the growth of odor-causing bacteria, bacteria which cause staining and discoloration and fungi (mold and mildew).
- Tile Doctor Shield 72-36 can be applied to carpet and upholstery to inhibit the growth of algae.
- Tile Doctor Shield provides an invisible microbiostatic coating to inhibit the growth of odor-causing bacteria.
- Tile Doctor Shield 72-36 provides an invisible microbiostatic coating to inhibit the growth of bacteria which case staining and discoloration.
- Tile Doctor Shield 72-36 provides an invisible microbiostatic coating to inhibit the growth of fungi (mold and mildew).
- Tile Doctor Shield 72-36 provides an invisible microbiostatic coating to inhibit the growth of algae.
- Tile Doctor Shield 72-36 provides an invisible microbiostatic coating to inhibit the growth of odor-causing bacteria, bacterial which cause staining and discoloration, fungi (mold and mildew) and algae.
- Tile Doctor Shield 72-36 prevents deterioration caused by bacteria and fungi (mold and mildew).
- Tile Doctor Shield 72-36 prevents deterioration caused by bacteria.
- Tile Doctor Shield 72-36 resists development of microbial odors.
- Tile Doctor Shield 72-36 resists development of stains and discoloration due to bacteria.
- Tile Doctor Shield 72-36 resists development of stains due to fungi (mold and mildew).
- Tile Doctor Shield 72-36 resists stains due to algae.
- Tile Doctor Shield 72-36 resists development of microbial odors, stains and discoloration due to bacteria, fungi (mold and mildew) and algae.
- Tile Doctor Shield 72-36 provides [creates] an invisible barrier to inhibit the growth of odor causing bacteria.
- Tile Doctor Shield 72-36 provides [creates] an invisible barrier to inhibit the growth of bacteria which cause staining and discoloration.
- Tile Doctor Shield 72-36 provides [creates] an invisible barrier to inhibit the growth of fungi (mold and mildew).
- Tile Doctor Shield 72-36 provides [creates] an invisible barrier to inhibit the growth of algae.
- Tile Doctor Shield 72-36 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.
- Tile Doctor Shield 72-36 provides residual self-sanitizing activity against athlete's foot fungus (*Trichophyton mentagrophytes*) on treated socks. Durable for up to 10 repeated washings; prevents 99.9% of the growth of athlete's food fungus on the sock.

{End of Marketing Claims}

{Non-Food Commercial, Industrial, Institutional and Residential Uses Areas/Surfaces:}

{A}
Abrasive buffing [buffer] pads, academic laboratory facilities, academic research facilities, acute care institutions, administrative buildings, administrative offices, adult incontinence products, air conditioners, air filters, air filter materials, air purification devices, airline terminals, airplane cargo holds, airplane freight holds, airplanes, airports, alcohol slushy dispensers, all-terrain vehicles (ATVs), alternate care institutions, ambulances, amphitheaters, amusement parks, anchored inflatable structures, animal breeding establishments/facilities, animal care facilities (including examination rooms, operating rooms, waiting rooms, washing areas), animal dressing plants, animal grooming establishments, animal holding areas, animal hospitals, animal housing facilities, animal husbandry establishments, animal kennels, animal laboratories, animal operations (calving, cattle, hog, horse, veal), animal quarantine areas, animal research centers, apartments, apparel, apparel (including {select apparel from the listed types}), apparel fiberfill (cotton, natural down, nylon, polyester, rayon, wool or other fill materials of a similar nature), aquarium filter material, aquarium filters, aquariums, armored vehicles, armories, art galleries, artwork, artificial turf, athletic apparel, athletic facilities (amateur, professional, youth), athletic gear, athletic mats, athletic shoes, athletic training tables, athletic uniforms, attics, auto repair centers, automobile cabs, automobile crates, automobile interiors, automobile mats, automobile wheels, automobiles, autopsy rooms, automotive garages, automotive parts, aviaries, awnings

{B}
Baby cribs, bagel stores, bakeries, banks, barber shops, barges, barns (cattle, horse, sheep, swine), barracks, bars, basements, bath areas, bathroom appliances, bathroom basins, bathroom bowls, bathroom fixtures, bathroom hardware, bathroom carts, bathroom racks, bathroom shelves, bathroom showers, bathroom sinks, bathroom surfaces, bathroom tiles, bathroom tub surfaces, bathroom tubs, bathrooms, bathtubs, battleships, beauty shops, bed and breakfast lodging, bed sheets, bedding, bedrooms, bedspreads, beer fermentation tanks, beer holding tanks, behavioral health facilities, beverage dispensers, beverage supply lines, beverage supply tubing, bicycle shops, blankets, blood collection rooms, boats, book covers, books, bookstores, bottle washing areas/premises, bottling dispensing equipment, bottling operations, bowling alleys, boxcars, boxing headgear, break rooms, breweries, brooder houses, burial vaults, bus stations, buses, businesses

Building Materials and Components: For floors, walls, ceilings and fixtures; siding, insulation, cabinetry, wallboard, and wood components; interior structural wood as defined as only wood needed for basic building structure as found in the dried-in stage of construction; wood dried in contact with foundations, interior and exterior wall sill plates, wood studs, wood or cellulosic sheathing, floor joists and sub-flooring, sealed foundations, steps, plumbing fixtures, finished baseboards and windowsills, metal structural components, vinyl, stone, roofing materials, brick, cement, concrete, masonry materials (mortar), doors, windows, composite materials, painted surfaces, glass surfaces, aluminum, brass, copper, laminated surfaces, metal, plated steel, stainless steel, glazed porcelain, glazed tile, glazed restroom tile, glazed ceramic, glazed restroom ceramic, sealed granite, sealed marble, plastics (such as polycarbonate, polyvinylchloride, polystyrene or polypropylene), sealed limestone, sealed slate, sealed stone, sealed terra cotta, sealed terrazzo, chrome, Plexiglas®, enameled surfaces, Formica®, vinyl upholstery, plastic upholstery, washable wallpaper, windows and mirrors.

{C}
Cabinets, cadaver processing areas, cafeterias, campers, campgrounds, canneries, cargo containers, cargo ships, cargo train cars, cars, carpet, carpet mats, carpet padding, carpet underlayment [underlay], carpets, carts, casinos, casual shoes, CAT scan facilities, cat kennels, catering establishments, cattle farms, ceiling tiles, cell phones, cellars, cellulose foam (for commercial, industrial, household treated surfaces), central supply, ceramic tiles, ceramics, cheese factories, chemical toilets, chrome-plated intakes, chick vans, churches, classrooms, cloth diapers, cloth for sails, cloth (for ropes, sails, tents and other outdoor equipment), clothes washing machines, coffee dispensers, coffee shops, companion animal (cat, dog) veterinary centers, coin-operated laundries, cold crop (fruit, grain, vegetable)

storage facilities, colleges, command centers, commercial commissaries, commercial fish processing ships/vessels, commercial fishing vessels, commercial kitchens, commercial laundries, commercial sites, community colleges, composite flooring, computer cases, computer keyboards, computer protective cases, computer screens, computers, concert venues, concrete additives (for manholes, sewer pipes, sewer structures but not storm drains), concrete products, concrete surfaces, condos, construction (new commercial, industrial, institutional), convenience stores, convention centers, conveyor belts, conveyor systems, corporate retreats, correctional facilities/institutions, cottages, counters, countertop laminates, countertops, courthouses, crematoriums, crime scenes, critical care vehicles, cruise ships, cruise ship terminals, culinary school kitchens, curtains, customs houses/facilities

{D}
Dairy farming operations (including barns, calf hutches, feed silos, milk houses, storage areas/facilities), dairy farms, day care centers, decking materials (composite, metal, plastic, wood), delivery trucks, dental anesthesia equipment, dental case goods, dental clinics, dental compressed air systems, dental drilling equipment, dental examination chairs, dental magnification equipment, dental office equipment, dental offices, dental pedestal lighting, dental suction/vacuum systems, dental X-ray viewers, department stores, diagnostic facilities, diaper changing stations, diaper pails (empty), dining halls, disposable diapers (non-woven), disposable cloths (used for multiple purposes including dusting/washing appliances, cars, countertops, dishes, floors, furniture, walls, windows), disposable foam cushions for Lipidus Airfloat Systems, doctor offices, dog kennels, donut shops, dormitories, draperies, dressing rooms, dry concrete mixes, dry grout mixes

{E}
Egg trucks, egg processing plants, elder care centers, elder care facilities, emergency clinics, emergency medical facilities, emergency rooms, emergency vehicles, entertainment facilities, equine farms, equine quarters, equine transportation vehicles, equipment rooms, exam rooms, exercise equipment, exercise equipment, exercise facilities, exotic animals (antelope, bison, deer, elk and other game animals) farming operations

{F}
Fabrics (natural, synthetic, woven, non-woven), facial salons, factories, farm vehicles, farmhouses, farming equipment, farming handling equipment, farming harvesting equipment, farming operations, (agricultural, aquacultural, fruit, grain, vegetable), fast food operations, Federally-inspected meat/poultry plants, feminine napkins, ferries, fiberfill (for apparel, pillows, recreational gear, quilts, upholstery), fiberglass duct board for air handling systems at point of manufacture, fiberglass duct board for air handling systems prior to or during installation (but prior to system being charged and in use), field houses, filling, fire hose fabric, fire houses, fire trucks, fire facilities, fish processing facilities, floor coverings, floors (finished, high-speed burnished), flooring (conductive, laminate), foam (for cushioning, furniture, mattresses, packaging, packing), foam used as a growth medium for non-food crops/plants, folding tables, food establishment furniture (including bar tops, chairs, tables), food establishments, food handling/processing areas, food manufacturing/processing plants, food packaging materials, food packaging material component manufacturing facilities, food storage areas, food storage containers/materials, food (fresh, packaged) transport vehicles, food trucks, foot spas, footbath surfaces, footwear (boots, shoes and components), formed glass, framed photographs, frozen food manufacturing facilities, furnace air filters, funeral homes, furniture (bed frames, case goods, chairs, desks, folding tables, lifts, occasional pieces constructed of composites, metal, plastic, wood; upholstered; or constructed with any combination of these materials) side tables, tables

{G}
Galleries, garages, garbage cans, garbage handling equipment, garbage pails, garbage trucks, gate houses, general purpose containers, general purpose equipment, gift shops, glass, glazed tiles, gloves, government buildings, government facilities, grain milling/storage operations, grain train cars, grout (masonry, tile), guard housekeeping rooms, gymnasiums, gymnastic mats, gypsum board

{H}

Hampers, hardware (door knobs, handles), hatchery vehicles, highchairs, hair salons, hangers, health fitness clubs, healthcare facilities, helicopters, helmets, hide processing plants; hide processing surfaces (chill tanks, conveyors, grading areas, holding tanks, machine equipment surfaces, presses, scales, serpentine chains, serpentine tanks, storage areas, storage bins, tannery equipment surfaces, trolleys), hog farms, home healthcare institutions, homes, hosiery, hospices, hospital ships, hospital dietary kitchens, hospital beds (including adjustable side rails, control panels, footboards, headboards, mattresses, mechanical systems), hospital patient room furnishings (including call buttons, case goods, computer trays, door handles, light switches, mobile computer stands, mobile computer stands with attached testing devices (blood pressure, pulse, temperature monitoring), over-the-bed tray tables, remote controls, side tables, telephones), hospital patient lavatories (commodes, fixtures, sinks, showers, tubs), hospital soft goods (blankets, gowns, linens, pads, patient garments, privacy curtains, provider garments, towels, upholstered furniture), hospital/healthcare facilities waiting room surfaces (hard/upholstered chairs, countertops, fixtures, safety hand rails, side tables) hospitals, hostels, hotels, household areas, households, housekeeping rooms, houses, houses of worship, hovercrafts, humidifier belts, HVAC systems (newly installed)

{I}
Ice cream manufacturing facilities, ice machines, ICU areas, independent surgical centers, indoor sports venues, industrial sites, industrial waste receptacles, infant bassinets, infant care equipment, infant cribs, infant incubators, infant warmers, inflatable rafts, institutional facilities/sites, institutional kitchens, institutional laundries, institutional mops, institutional sponges, interdiction watercraft, interior hard surfaces (aluminum, artwork, ceiling tiles, ceramic tile, chrome, composite surfaces, concrete, drywall, floors, glass fixtures, laminate, marble, painted surfaces, paper wall covering, pictures, plaster, porcelain, stainless steel, stone, vinyl, wallboard, walls, wood, wood surfaces), isolation wards

{J}
Jails, janitorial rooms

{K}
K-12 private schools, K-12 public schools, kennels, kennel operations, kindergartens, kitchen appliances, kitchen carts, kitchen hardware, kitchen refrigerators, kitchen shelves, kitchen sinks, kitchen surfaces, kitchen racks, kitchen tub surfaces, kitchens

{L}
Laboratory equipment (autoclaves, balances, baths, beakers, biosafety cabinets, case goods, centrifuges, chillers, cryogenic storage systems, dispensers, freezers, fume vent hoods, furnaces, furniture, glassware, gloveboxes, homogenizers, hot plates, incubators, liquid handling robotics, lyophilizers, microarray equipment, microplate equipment, mills, mixers, ovens, pipettes, plumbing fixtures, refrigerators, rotary evaporators, shakers, sinks, sonicators, spectrophotometers, stability chambers, sterilizers, stirrers, tubes, vortexers, water purifiers), laboratories, Lapidus Airfloat Systems disposal polyurethane foam cushions, latrine buckets, laundries, laundry, laundry facilities, laundry cleaning facilities, laundry pails, law enforcement apparel (boots, clothing, protective gear, tactical gear, uniforms) and weaponry, leather (natural, synthetic), leather processing plants, leather processing surfaces (chill tanks, conveyors, grading areas, holding tanks, machine equipment surfaces, presses, scales, serpentine chains, serpentine tanks, storage areas, storage bins, tannery equipment surfaces, trolleys), libraries, lifecare retirement communities, lighting equipment fixtures (floor lamps, table lamps, pendent lighting, task lighting), linens, liquor stores, livestock farms, livestock housing facilities/operations, livestock husbandry facilities/operations, livestock pens, living rooms, lobbies, locker areas, locker rooms, lodges

{M}
M.A.S.H. units, maintenance equipment, maintenance vehicles, manicure/pedicure salons, manufacturing facilities (including biotechnology, chemical, clean room, computer, cosmeceutical, cosmetic, durable goods, furnishings, medical devices, medical equipment, nutraceutical, pharmaceutical, supply, textile, toy), marine equipment (lifesaving

preservers, seating cushions, stowable equipment), marine vehicles (exterior/interior surfaces), marinas, massage salons, mats, mattress components (pads, ticking), mattress cover pads, mattress filling, mattress ticking, mausoleums, meat packing plants, meat processing plants, medical breathing apparatus (including oxygen masks, ventilation tents), medical clinics, medical equipment (diagnostic, examination and monitoring equipment including blood pressure devices, breathing monitors, CAT scan equipment, EEG equipment, EKG equipment, heart monitors, IV stands, medicine carts, MRI scan equipment, rehabilitation equipment, stethoscopes, test equipment, therapy equipment, X-ray equipment), medical examination furnishings, medical offices, medical records areas, medical research facilities, medical spas, medical suites, medical treatment equipment (chairs, gurneys, tables, wheelchairs), mechanized infantry vehicles, mechanized law enforcement vehicles, meeting facilities, meeting rooms, metals, men's clothing, men's outerwear, men's underwear, microwave ovens, military apparel (boots, clothing, protective gear, tactical gear, uniforms) and weaponry, military barracks, military transport vehicles, mining operations, mobile command centers, mobile homes, mops, morgues, motels, motorcycles, movie houses, MRI facilities, municipal government buildings, museums, mushroom farms

{N}
Natural materials, nightclubs, nurseries, neonatal units, newborn nurseries, non-woven disposable diapers, non-woven polyester, nursing homes, nursing stations,

{O}
Office buildings, operating rooms, operating theaters, ophthalmic facilities, optometric facilities, oral maxillofacial surgical centers, organ transplant helicopters, organ transport vehicles, organic fabrics, organic textiles, organic threads, orthopedics, other hard non-porous surfaces, outdoor equipment, outdoor furniture, outdoor picnic tables, outpatient clinics, outpatient surgical centers, outerwear, outerwear apparel (coats, jackets, jerseys, overcoats, ponchos, raincoats, sweaters, sweatshirts)

{P}
Packaging facilities, packaging materials (including food packaging and plastic wraps), park facilities, patient care facilities, patient care rooms, penitentiaries, pens (cattle, horse, sheep, swine), people movers (including elevators, escalators, horizontal mechanical moving walkways), performance centers, perishable food manufacturing facilities, personal hygiene products (including brushes, combs, cutting implements, hair clippers, plastic rollers, scrubbing devices, washable nail files, washing devices), personal protective equipment (PPE including accessories, acoustic foam, back supports, breathing apparatus, bump caps, chemical hazard gloves, chemical blending outerwear, chemical manufacturing outerwear, communications sets, detectors, ear defenders, ear plugs, elbow supports, escape sets, ESD footwear, eye shields, eyewear accessories, face shields, fall arresters, fall management equipment, FE clothing, filter respirators, food industry footwear, foot protection, guards, hard hats, hearing protection, helmets, hi-visibility clothing, impermeable materials, lightweight respirators, mechanical hazard gloves, monitors, noise meters, over specs, powered respirators, protective clothing, respiratory protection, safety footwear, safety glasses, safety goggles, safety harnesses, specialized protection, thermal hazard protection, visors, weather wear, work gloves, working sets, workwear, wrist supports), personal protective equipment (PPE used for protecting medical personnel in biological disease outbreaks including biohazard clothing), personal watercraft jet-skis (PWCs), pet animal quarters, pet shops, pet stores, pharmacies, photocopy centers, physical therapy facilities, physical therapy tables, physician offices, picnic facilities, picnic tables, pictures, pillow covers, pillows, pizza parlors, playground equipment, playgrounds, pleasure fishing vessels, plumbing fixtures, plumbing supplies, police cars, police stations, polishing buffing [buffer] pads, polyethylene foam (when covered), polyurethane foam (for commercial, industrial, household treated surfaces), polyurethan form (for cushioning, packaging applications), polyurethane form used as a growth medium in crops and plants, polyurethane foam (when covered), porches, portable toilets, post offices, poultry (breeder, pullet, broiler) farms, poultry dressing plants, poultry farm equipment (automated buggy washers, automated rack washers, automated tray washers, carts, chick boxes, egg conveyors, egg cases, egg flats, egg holding areas, egg pads, egg receiving areas, feed conveyors, feed silos, hatchers, hen boxes, litter, racks, seed houses, setters, sexing tables, trash containers, trays, vans, water lines), poultry premises (chick holding areas, chick loading areas, chick processing areas, egg holding areas, egg receiving areas, hatchery

rooms/hatcheries, poultry buildings/public spaces, setter rooms, tray dumping areas), poultry processing plants, poultry transport vehicles, pre-mix dispensing equipment, pre-moistened towelettes, preschools, preschool learning centers, prisons, processing facilities/plants (beverage, citrus, fruit, grain, milk, potato, vegetable, wine), prosthetic manufacturing facilities, prosthodontist offices, protective sports equipment, public areas, public facilities, public places, public restrooms, public self-storage facilities, public showers, public transportation, public venues

Paints and Coatings: This product can be used in paints and coatings as an in-can preservative for protection of paint and the finished dry paint and coating film. Types of paints and coatings include latex indoor/outdoor paints and stains, wood stains, architectural paints, lacquers and maintenance coatings, films, laminates and finished including alkyd, urethane, enamel, epoxy, siloxane, 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.
Note: Any claims for paint (other than for cured or dried painted surfaces) use must be for the preservation of the paint in the can. This product 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.

{Q}
Quarantine areas, quilts

{R}
Racks, radiology rooms, recirculating air handling systems, recovery rooms, recreational facilities, recreational gear, recruiting stations, recuperative baths (jetted, whirlpool or other soaking types), recuperative spas (jetted, whirlpool or other soaking types), recycling centers, refrigerators, refueling facilities, refuse centers, refuse vehicles, rehabilitation facilities, remote controls, rendering plants, rental cabins, research and development laboratories, reserve offices, resorts, respiratory therapy, restaurant furniture (including bar tops, chairs, tables), restaurants, restroom fixtures, restrooms, retail establishments, roofing materials (composite, felt, granules, metal, membranes, shakes, shingles, stone, synthetic overcoats, tiles, underlayment, wood shakes), ropes, rugs, RVs

{S}
Sails, salons, sand bags, school kitchens, schools, seed houses, self-storage containers, self-storage pods, sewer systems (composite, iron pipe, plastic, PVC, terra cotta) components (including commercial, industrial, public collection, public treatment and residential facilities – not intended to be applied directly to treated effluent/sewage), sheds, sheep farms, sheet glass, sheets, shelves, ships, shipping containers, shipping terminals, shore insoles, shoes, shopping malls, shower areas, shower curtains, shower doors, shower rooms, shower stalls, showers, shuttles, sick rooms, sinks, skilled nursing facilities, slaughtering operations, sleeping bag fiberfill (cotton, natural down, nylon, polyester, rayon, wool or other fill materials of a similar nature), sleepwear, Slurpee® machines, sneakers, socks, socks (comprised of acrylic/polypropylene/nylon/Lycra, cotton, cotton/nylon, linen/Lycra, nylon, nylon/orlon, wool/silk/nylon/Lycra, wool/acrylic/nylon/Lycra and other forms of organic and/or synthetic blends), soft drink machines, spa equipment, spas, sports arenas, sports complexes, sports equipment, sportswear, staff lounges, staff offices, stalls (cattle, horse, sheep, swine), stadiums, stone, stone surfaces, storage containers, storage facilities, storage rooms, stoves, stovetops, structural pipe systems (composite, copper, iron, plastic, PVC, terra cotta) components (including chiller and process systems in commercial, industrial and residential applications), student recreation facilities, Styrofoam, submarines, subway stations, subway trains, summer homes, supermarkets, supply ships, surgical suites, swimming facilities, swine premises (blocks, chutes, creep areas, dressing plants, farrowing barns/areas, feeders, hauling equipment, loading equipment, nurseries, waterers), swine quarters, synthetic fabric, synthetic textiles, synthetic thread

{T}
Tack shops, tactical training centers, tactical watercraft, tank trucks, tankers, tanning beds, tanning equipment, tanning spas, tarpaulins, tarps, tattoo equipment* (*not for use on needles or other skin piercing instruments), tattoo

parlors* (*not for use on needles or other skin piercing instruments), taverns, taxis, technical schools, telephones, tent cities, tents, terminals, textiles, theater centers, theaters, therapeutic baths (jetted, whirlpool or other soaking types), therapeutic spas (jetted, whirlpool or other soaking types), throw rugs, ticking, tiles, tissue wipes* (*do not impart pesticidal properties), toilet bowl surfaces, toilet bowls, toilet seats, toilet seat covers, toilet tank covers, toilets, tool sheds, towelettes (pre-moistened woven or non-woven), toweling (made of 100% cotton or polyester and blends of these two fibers), towels, tractor trailer freight trucks, trailers, trains, train stations, training rooms, trash barrels, trash cans, trash containers, transportation terminals, travel rest areas, training facilities, treatment rooms, troop carriers, trucks, truck stops, tubs, turkey farms

{U}
Ultrasonic baths, umbrellas, undergarments, uniforms, upholstery, upholstery (made of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethylene, polyolefin, polypropylene, rayon, spandex, vinyl and/or wool), upholstery fiberfill (cotton, natural down, nylon, polyester, rayon, wool or other fill materials of a similar nature), urinals, USDA-inspected food processing facilities, universities

{V}
Vacation cottages, vacuum cleaner bags, vacuum cleaner filters, vanity tops, veterinary clinics, veterinary equipment (animal equipment, cage floors, cages, case goods, conductive flooring, examination tables, kennel floors, kennel runs, loading platforms, X-ray tables), veterinary establishments (including equine-, livestock-, poultry-based), vehicular parts, video stores, vinyl paper wallpaper surfaces, vinyl wallpaper

{W}
Waiting rooms, walk-in freezers, wall covering fabrics, wallpaper, warehouses, washable walls, washing areas, washing machines, waste receptacles, waste systems (composite, iron pipe, plastic, PVC, terra cotta) components (including commercial, industrial, public collection, public treatment and residential facilities – not intended to be applied directly to treated effluent/sewage), water dispensers, water drinking fountains, water supply lines, water supply tubing, water taxis, water theme parks, watercraft, waysides, weight rooms, wholesale establishments, window sills, wine holding tanks, wine processing equipment, wineries, winery equipment, wipes (as a preservative), wiping cloths, women's clothing, women's hosiery, women's intimate apparel, wood, workstations, wrestling headgear, wrestling mats

{X, Y, Z}
X-ray facilities, yachts, YMCAs, YWCAs, zoos, zoological facilities

{End of Non-Food Commercial, Industrial, Institutional and Residential Uses Areas/Surfaces:}

{Graphics}

TILE DOCTOR SHIELD

the Tile Doctor

{End of Graphics}
[ ] Denotes alternate/optional language
{ } Denotes language that does not appear on the market label