



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

March 13, 2019

Abigail T. D. Wacek
Regulatory Consultant
Pierce Innovations, LLC
4578 Jonathan Creek Road
Waynesville, NC 28785

Subject: Label and CSF Notification per PRN 98-10 – To update label and CSF language
Product Name: Q Shield Professional Surface Protector
EPA Registration Number: 93664-1
Application Date: January 30, 2019
Decision Number: 548199

Dear Ms. Wacek:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the label action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

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

However, the CSF submitted with your application has been found to be unacceptable for the following reason:

- Changes to the CSF were made that were not described in the self-certification statement and application materials. Therefore, the requested CSF action falls outside the scope of PRN 98-10.

No further review of the submitted CSF will occur.

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If you have any questions, please contact Emilia Oiguenblik by phone at 703 347 0199, or via email at Oiguenblik.emilia@epa.gov or Eric Miederhoff by phone at 703 347 8028, or via email at Miederhoff.eric@epa.gov.

Sincerely,

A handwritten signature in blue ink that reads "E. Miederhoff". The signature is written in a cursive style with a large, stylized "E" and "M".

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

NOTIFICATION

93664-1

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

03/13/2019

Q Shield Professional Surface Protector



[Ready to Use]

Active Ingredient

3-(trihydroxysilyl)propyldimethyloctadecyl ammonium chloride.....	0.55%
Alkyl (40% C12, 50% C14, 10% C16) dimethyl benzyl ammonium chloride.....	0.66%
Other Ingredients:.....	..98.79%
TOTAL:	100.00%

**KEEP OUT OF REACH OF CHILDREN
DANGER**

FIRST AID

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 eye. 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.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

{See {additional} {sheet} {insert} {inside} {outer container} for {other} {directions for use} {information} {claims} {organisms}.}

EPA Reg. No. 93664-**1R**
EPA EST. No.:

{{Batch} {Lot} No} {Manufacturing Date}:
{Product of USA} {Made in the USA}

Net Contents: {{2},{4},{6},{8},{12},{16},{32} oz or {1},{2.5},{5},{30},{55},{275} Gallons
or {1,000 Litres}}

[Manufactured][Distributed][Sold] [by][for]:

Pierce Innovations, LLC
4578 Jonathan Creek Road
Waynesville, NC 28785

This product provides an invisible, durable microbiostatic coating to a wide variety of non-food contact substrates, inhibiting the growth of odor causing bacteria, bacteria and fungi (mold and mildew) which cause staining and discoloration, and algae.

PRECAUTIONARY STATEMENT

DANGER. Corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed or inhaled. Do not get in eyes, on skin, or on clothing. Do not breathe vapor or spray mist. Wear goggles, chemical resistant gloves, and mask. Wear a minimum of a NIOSH-approved elastomeric half mask respirator with organic vapor (OV) cartridges and combination N1, R, or P filters; OR a NIOSH-approved gas mask with OV canisters; OR a NIOSH-approved powered air purifying respirator with OV cartridges and combination HE filters. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing 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 Q Shield Professional Surface Protector can be achieved by the addition of anionic surfactant (such as soap, sulfonates, sulfates) in quantity equivalent to the percentage of active ingredients in this product.

COMMERCIAL LOCATIONS

- Bathrooms, restrooms, shower rooms, shower and bath areas
- Emergency vehicles, ambulances, critical care and organ transport vehicles.
- EMS facilities
- Hospitals, nursing homes, medical and dental offices and clinics, healthcare facilities, physician offices, operating rooms/theaters, radiology rooms, isolation wards, quarantine areas, hospices, medical research facilities, washing areas, ICU areas, autopsy rooms, acute care institutions, alternate care institutions, sick rooms, skilled nursing facilities, rehabilitation facilities, physical therapy facilities, emergency clinics, outpatient clinics, doctor's offices, dentist offices, oral maxillofacial surgical centers, prosthodontist offices, prosthetic manufacturing facilities, medical suites, operating rooms, surgical suites, independent and out-patient surgical centers, treatment rooms, diagnostic facilities, X-ray facilities, CAT Scan & MRI facilities, public areas, waiting rooms, lobbies, morgues, nursing stations, pharmacies, laboratories, laundries, equipment rooms, administrative and staff offices, medical records areas, patient care rooms & facilities, recovery rooms, emergency rooms, exam rooms, newborn nurseries, neonatal units, orthopedics, respiratory therapy, blood collection rooms, central supply, housekeeping & janitorial rooms, ophthalmic/optometric facilities
- Life care retirement communities, elder care centers, elder care facilities

COMMERCIAL APPLICATIONS

The active ingredients in Q Shield Professional Surface Protector are effective against odor causing bacteria, bacteria and fungi (mold and mildew) which cause staining and discoloration, and algae as a static agent. Q Shield Professional Surface Protector can be used on the following non-food contact surfaces / items:

- Air Filters for furnaces, air-conditioners, air purification devices, recirculating air handling systems, HVAC systems (newly installed)
- Bed sheets, blankets, and bedspreads
- Building materials and components for floors, walls, ceilings and fixtures: insulation, cabinetry, wallboard, wood and wood components, 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 {restroom} tile, glazed {restroom} ceramic, sealed granite, sealed marble, plastic {such as polycarbonate, polyvinylchloride, polystyrene or polypropylene}, sealed limestone, sealed slate, sealed stone, sealed terra cotta, sealed terrazzo, chrome, Plexiglas[®], enameled surfaces, Formica[®], vinyl and plastic upholstery, washable wallpaper, windows, mirrors
- Buffer pads (abrasive and polishing)
- Carpets carpet underlayment, carpet padding and mats
- Dental office equipment, drilling equipment, compressed air systems, examination chairs, pedestal lighting, magnification equipment, suction/vacuum systems, x-ray viewers, case goods, anesthesia equipment
- Disposable diapers (non-woven), feminine napkins, adult incontinence products
- Draperies
- Fiberfill for upholstery, sleeping bags, apparel, where the fiber is cotton, natural down, nylon, polyester, rayon, or wool
- Fiberglass duct board
- Fire hose fabric
- Furniture, chairs, tables, case goods, desks, side tables, occasional pieces, constructed of metal, wood, plastic, composites, upholstered, or furniture constructed with any combination of these materials, folding tables, bed frames, lifts, washable walls, cabinets, shelves, racks and carts
- General purpose containers and equipment
- Grout (tile & masonry)
- Gypsum Board
- Hardware door knobs and handles
- Hospital beds, mattresses, mechanical systems, headboards, footboards, control panels, and adjustable side rails
- Hospital Patient room furnishings, side tables, over the bed tray tables, telephones, call buttons, case goods, lavatory fixtures, sinks, tub/shower units, commodes, light switches, door handles, remote controls, computer trays, mobile computer stands including those stands with blood pressure, pulse, temperature monitoring and testing devices attached
- Hospital and healthcare upholstered and hard surface waiting room chairs, side tables,

safety hand rails, countertops, public lavatory fixtures.

- Hospital soft goods, upholstered furniture, linens, gowns, patient and healthcare provider garments, towels, blankets, pads, and privacy curtains
- Institutional sponges and mops
- Interior hard surfaces: floors, walls, ceiling tiles, glazed ceramic, glazed tile, concrete, chrome, laminate, stainless steel, stone, vinyl, porcelain, paper wall covering, drywall (wallboard), plaster, wood, glass fixtures, marble, aluminum, art work, pictures, wood surfaces, painted surfaces, composite surfaces
- Laboratory equipment, autoclaves & sterilizers, mixers, refrigerators and freezers, ovens, vent (fume) hoods, shakers, vortexers, mixers, centrifuges, hot plates, stirrers, balances, water purifiers, incubators, stability chambers, furnaces, microarray equipment, liquid handling robotics, spectrophotometers, pipettes, beakers, tubes, glassware, biosafety cabinets, cryogenic storage systems, sonicators, homogenizers, gloveboxes, lyophilizers, rotary evaporators, dispensers, mills, baths, chillers, furniture, case goods, sinks, plumbing fixtures, microplate equipment
- Laminate Flooring
- Lighting equipment fixtures including floor lamps, table lamps, pendent lighting, and task lighting
- Maintenance equipment
- Mattress pads and ticking
- Medical Examination Furnishings
- Medical Treatment tables, chairs, wheelchairs, and gurneys
- Medical diagnostic, examination, and monitoring equipment including heart and breathing monitors, stethoscopes, blood pressure devices, IV stands, test equipment such as EKG and EEG equipment, MRI/CAT scan equipment, X-ray equipment, medicine carts, and rehabilitation/therapy equipment.
- Medical breathing apparatus such as ventilation tents and oxygen masks
- Non-woven polyester and disposable diapers
- Packaging materials including non-food contact plastic wraps
- People movers, elevators, escalators, and horizontal mechanical moving walkways
- Personal hygiene products, hair clippers, combs, brushes, cutting implements, plastic rollers, washable nail files, washing or scrubbing devices
- Personal Protective Equipment (PPE), hard hats, helmets, bump caps, guards, accessories. Work gloves, chemical hazard gloves, mechanical hazard gloves, specialized protection, thermal hazard protection. safety glasses, eye shields, over specs, eye wear accessories, face shields, visors, safety goggles, breathing apparatus, escape sets, working sets, protective clothing, chemical manufacturing and blending outerwear, hi-visibility clothing, FE clothing, weather wear, workwear, PPE used for protecting medical personnel in biological disease outbreaks, biohazard clothing, impermeable materials, foot protection, safety footwear, food industry footwear, ESD Footwear, hearing protection, ear defenders, communications sets, noise meters, acoustic foam, respiratory protection, filter respirators, lightweight respirators, powered respirators, detectors and monitors, fall management equipment, safety harnesses, fall arresters, elbow, wrist supports, back supports

- Pillows & pillow covers
- Playground equipment
- Plumbing supplies and fixtures
- Polyurethane and cellulose foam for industrial, and institutional, non-food contact sponges and mops
- Polyurethane and non-food contact polyethylene foam, when covered
- Polyurethane foam for packaging and cushioning in non-food contact applications
- Pre-moistened woven or non-woven towelettes for non-food contact applications.
- PVC, plastic, terra cotta, composite, iron pipe and structural drain or sewer (waste) system components including commercial, industrial, public collection and treatment systems and facilities components (not intended to be applied directly to sewage (effluent) being treated at such facilities
- PVC, plastic, terra cotta, composite, copper, and iron structural pipe system components in industrial, commercial (Including chiller and process systems) applications
- Sheet and formed glass
- Shower curtains
- Socks /hosiery comprised of nylon, nylon/orlon, cotton/nylon, linen/Lycra, acrylic/polypropylene, nylon, Lycra, wool/silk/nylon/Lycra and wool/acrylic/nylon/Lycra
- Throw rugs
- Toweling made of 100 percent cotton, 100 percent polyester, and blends of the two fibers
- Toilet tank and seat covers
- Umbrellas
- Upholstery made of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethylene, polyolefins, polypropylene, rayon, spandex, vinyl, wool
- Vacuum cleaner bags and filters
- Vinyl paper-wallpaper for non-food contact surfaces
- Waste Receptacles, garbage cans/pails, trash barrels, trash cans, trash containers, industrial waste receptacles and garbage handling equipment
- Washing machines, clothes washing machines
- Water drinking fountains
- Wiping cloths (disposable) that can be used for multiple purposes such as dusting or washing furniture, cars, walls, windows, floors, appliances, dishes, counter tops. Product is not for use on food-contact surfaces.

DIRECTIONS FOR USE

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

Q Shield Professional Surface Protector can be applied to organic or inorganic substrates by brushing, dipping, wiping, padding, soaking, spraying, 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 Q Shield Professional Surface Protector every three months or when odor, staining and discoloration due to bacteria, mold, and mildew returns. Test fabric or surface in an inconspicuous area for color fastness or adverse reaction.

For Pump Spray Application: Using pump sprayer, spray entire area 4"-6" from the surface making sure the surface is completely covered. Apply and then let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test for staining and color-fastness of fabrics and carpets by treating and drying a small, concealed area prior to application. ^[L]_{SEP} When treating coarser substrates, more Q Shield Professional Surface Protector may be required due to absorption. A fan may be used to assist in drying.

For Wiping Application: To protect hard, non-porous, non-food contact surfaces, thoroughly wet the surface to be treated with this product. Allow surface to dry. Excess moisture should be removed with a clean, dry towel.

For Commercial Spray Application: For commercial application equipment (i.e. carpet/upholstery steamers, rotary jet extraction cleaners, pressure sprayers) apply without dilution 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. When treating coarser substrates, more Q Shield Professional Surface Protector may be required due to absorption. Spray application is preferred on large surfaces that are easily accessible. The spray equipment chosen should provide a consistent fine (1-300 micron) particle size and uniform spray pattern. Pump up garden type sprayers can be used but care must be taken to maintain maximum pressure by pumping frequently and adjusting the spray nozzle for the finest spray pattern possible. During application achieve complete uniform coverage. Avoid excessive wetting and do not allow the spray to run or pool. Excess moisture should be removed with a clean, dry towel.

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

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

Dry carpet areas and surfaces before re-entry and dry articles before use. A fan may be used to assist in drying carpeting.

APPLICATION METHODS TABLE

Use Site	Pest controlled	Method of Application
<p>Bed sheets, blankets, bedspreads, curtains, draperies (washable only), underwear, socks, intimate apparel, hosiery, throw rugs, toweling, toilet tank covers, shower curtains, shoe insoles, outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos).</p> <p>Q Shield Professional Surface Protector can be applied to fabrics made of acetates, acrylics, cotton, fiberglass, linen, Lycra, nylon, orlon, polyester, polyethylene, polyolefin, polypropylene, rayon, silk, spandex, vinyl, and wool.</p>	<p>Odor-causing bacteria, bacteria and fungi (mold and mildew) which cause staining and discoloration</p>	<p>DIP/SOAK: Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough Q Shield Professional Surface Protector solution to completely submerge item. Keep item in solution for 3 minutes. Remove item and wring excess liquid from treated item. For larger items (e.g. bedspreads, curtains, draperies), place in washing machine on spin cycle to aid in the removal of excess liquid. Test staining and color-fastness of fabric and carpets by treating and drying a small concealed area prior to application. Do not reuse solution after dipping/soaking. Dry treated articles before use. Substrates can be hang-dried at room temperature or at temperatures to a maximum of 160⁰C (320⁰F); (for example, in a clothes dryer). If necessary, reapply Q Shield Professional Surface Protector every three months or when 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, electrostatic 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 Q Shield Professional Surface Protector every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.</p>

<p>Air filters and air filter material for:</p> <ul style="list-style-type: none"> - Furnaces, air conditioners - Air purification - Automobiles - Recalculating air handling systems - Vacuum cleaner filters - Aquariums 	<p>Odor-causing bacteria, bacteria and fungi (mold and mildew) which cause staining and discoloration, and algae</p>	<p>SPRAY: When treating filters, remove filter from the unit. Using a trigger pump sprayer, electrostatic 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 Q Shield Professional Surface Protector every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.</p>
<p>Carpeting</p>	<p>Odor-causing bacteria, bacteria and fungi (mold and mildew) which cause staining and discoloration</p>	<p>SPRAY: Apply to clean carpet surface. Using a trigger pump sprayer, electrostatic 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 Q Shield Professional Surface Protector directly to the cleaning tank, then operate the equipment in accordance with manufacturer’s instructions. Apply and then let stand until dry. Test staining and color-fastness of carpets by treating and drying a small concealed area prior to application. When treating coarser substrates (e.g., wool carpeting), more Q Shield Professional Surface Protector 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 Q Shield Professional Surface Protector every three months or if odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.</p>

(Note to Reviewer: Text in { } is optional. Brackets [] indicate that at least one option within the brackets must be used in the final label text. Parentheticals () are meant to appear on final label. “This product” can be substituted with actual product name in the marketing and directions for use.)

<p>Mattress pad and mattress ticking and upholstery composed of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethylene, polyolefin, polypropylene, rayon, spandex, vinyl, wool; fiberfill to be used in upholstery, apparel, where the fiber is cotton, natural down, nylon, rayon, or wool</p>	<p>Odor-causing bacteria, bacteria and fungi (mold and mildew) which cause staining and discoloration</p>	<p>SPRAY: Clean surfaces prior to application. Using a trigger pump sprayer, electrostatic 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 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 Q Shield Professional Surface Protector every three months (90 days) or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.</p>
<p>Tents, tarpaulins, wood, sails, ropes.</p>	<p>Odor-causing bacteria, bacteria and fungi (mold and mildew) which cause staining and discoloration, and algae</p>	<p>SPRAY: Clean surface prior to application. Using a trigger pump sprayer, electrostatic 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 Q Shield Professional Surface Protector every three months (90 days) or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.</p>

(Note to Reviewer: Text in { } is optional. Brackets [] indicate that at least one option within the brackets must be used in the final label text. Parentheticals () are meant to appear on final label. “This product” can be substituted with actual product name in the marketing and directions for use.)

<p>Roofing materials (such as shingles, roofing granules, wood shakes, felt, stone, synthetic overcoats)</p>	<p>Odor-causing bacteria, bacteria and fungi (mold and mildew) which cause staining and discoloration, and algae</p>	<p>SPRAY: Make sure the roof is clean prior to application. Using a trigger pump sprayer, electrostatic sprayer, or pressure sprayer, spray the entire surface area 4”-6” from the surface, making sure the surface is completely covered. After applying Q Shield Professional Surface Protector, let stand until dry. If necessary, reapply Q Shield Professional Surface Protector every three months (90 days) or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.</p>
<p>Buffer pads (polishing and abrasive), polyurethane and cellulose for household, non-food contact sponges and mops, vacuum cleaner bags, umbrellas, casual shoes, athletic shoes</p>	<p>Odor-causing bacteria, bacteria and fungi (mold and mildew) which cause staining and discoloration</p>	<p>SPRAY: Clean surface prior to application. Using a trigger pump sprayer, electrostatic 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 Q Shield Professional Surface Protector every three months (90 days) or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.</p>
<p>Tubs, glazed tiles, vanity tops, shower curtains, shower stalls (areas), sinks, washable walls, wall paper for non-food contact, floors, window sills, cabinets, garbage cans, appliances, refrigerators (exterior), fiberglass, Formica, glazed tiles, glazed porcelain, synthetic marble, plastic, vinyl</p>	<p>Odor-causing bacteria, bacteria and fungi (mold and mildew) which cause staining and discoloration</p>	<p>SPRAY: Using a trigger pump sprayer, electrostatic 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 Q Shield Professional Surface Protector every three months (90 days) or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.</p>

Optional Marketing Statements

- 3 Months
- Antimicrobial Surface Protectant.
- Bacteriostatic*, mold and mildewstatic, algaestatic.
- Creates an invisible barrier to inhibit the growth of mold to keep indoor and outdoor surfaces mold free for up to 3 months.
- Effective on hard non-porous washable bathroom and non-food contact kitchen surfaces and fixtures.
- Effective on modern hard non-porous, non-food contact washable surfaces made of fiberglass, glazed porcelain, Formica, stainless steel, synthetic marble.
- Imparts microbiostatic* properties.
- Inhibits deterioration caused by bacteria.
- Inhibits the growth of odor causing bacteria between cleanings.
- Inhibits the growth of bacteria which cause staining and discoloration between cleanings.
- Inhibits the growth of fungi (stain and odor-causing mold and mildew) between cleanings.
- Inhibits the growth of algae between cleanings.
- Inhibits the growth of odor causing bacteria which cause staining and discoloration, fungi (stain and odor-causing mold and mildew), and algae between cleanings.
- Helps prevent the growth of stain-causing mold for up to 3 months.
- Mold, mildew odor protector and inhibitor.
- Protection for indoor and outdoor use.
- Protects device [surface], [glass], [lenses] from the growth of [odor-causing microorganisms] [odor-causing bacteria].
- Protects device [surface], [glass], [lenses] from the growth of [odor-causing microorganisms] [odor-causing bacteria] for up to 12 hours.
- Protects device [surface], [glass], [lenses] from the growth of [odor-causing microorganisms] [odor-causing bacteria] for up to 24 hours.
- Provides an invisible microbiostatic coating to inhibit the growth of 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 (stain and odor-causing 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 (stain and odor-causing mold and mildew), and algae.
- Prevents deterioration caused by bacteria and fungi (stain and odor-causing mold and mildew).
- Q Shield Professional Surface Protector is suitable for use on [screen] [device] [touchscreen] [electronic device] glass.
- Does not damage screens, including [touchscreen devices], [electronic devices], [device surfaces], [lenses].
- Creates an invisible shield that inhibits the growth of stain and odor causing [microorganisms], [microbes] and helps prevent the growth and spread of bacteria*.

- 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 (stain and odor-causing 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 (stain and odor-causing mold and mildew), and algae.
- Q Shield Professional Surface Protector inhibits the growth of microbes and protects your [device], [touchscreen device], [electronic device], [lenses] from the growth of odor-causing bacteria for up to 24 hours. Does not damage screens, including [touchscreen devices], [electronic devices], [device surfaces].
- Q Shield Professional Surface Protector is an antimicrobial agent effective against odor causing bacteria.
- Q Shield Professional Surface Protector is an antimicrobial agent effective against bacteria which cause staining and discoloration.
- Q Shield Professional Surface Protector is an antimicrobial agent effective against fungi (stain and odor-causing mold and mildew).
- Q Shield Professional Surface Protector is an antimicrobial agent effective against algae.
- Q Shield Professional Surface Protector, an antimicrobial agent, controls the source of odors on surfaces in the bathroom and in non-food contact areas in the kitchen.
- Q Shield Professional Surface Protector, and antimicrobial agent, inhibits smelly odors caused by mold and mildew that can grow on even the cleanest of surfaces.
- Q Shield Professional Surface Protector, an antimicrobial agent, inhibits the growth of odor causing bacteria.
- Reapply this product every 3 months to replenish barrier from mold and mildew.
- Resists development of microbial odors.
- Resists development of stains and discoloration due to bacteria.
- Resists development of stains due to fungi (stain and odor-causing mold and mildew).
- Resists stains due to algae.
- Resists development of microbial odors, stains and discoloration due to bacteria, fungi (stain and odor-causing mold and mildew), and algae.
- Use on the surface of a [touchscreen], [electronic device], [glass], [lenses].
- Use Q Shield Professional Surface Protector every 24 hours to ensure [continuous] [continual] [ongoing] [extended] protection.
- Using Q Shield Professional Surface Protector every 24 hours ensures [continuous] [continual] [ongoing] [extended] protection.
- Use on carpet and upholstery to inhibit odor causing bacteria, bacteria which cause staining and discoloration, and fungi (stain and odor-causing mold and mildew).
- Unscented.
- Use on carpet to inhibit the growth of odor causing bacteria.
- Use on carpet and upholstery to inhibit odor causing bacteria, bacteria which cause staining and discoloration.

- Use on carpet and upholstery to inhibit the growth of odor causing bacteria and bacteria which cause staining and discoloration.
- Water based and odor free.

***Controls odor- and stain-causing bacteria and bacteria which causes deterioration and fouling.**

STORAGE AND DISPOSAL

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

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

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

Container Handling: {*containers smaller than 5 gallons*} Non-refillable container. Do not reuse or refill this container. Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Dispose of rinsate as a pesticide waste. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Container Handling: {*containers greater than or equal to 5 gallons*} Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 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. Dispose of rinsate as pesticide waste. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

FOR MORE INFORMATION CONCERNING THIS PRODUCT, PLEASE CONSULT THE MATERIAL SAFETY DATA SHEET (MSDS). THE MSDS CAN BE OBTAINED BY WRITING PIERCE INNOVATIONS, ~~LLC INC.~~ AT 4578 JONATHAN CREEK ROAD, WAYNESVILLE, NC 28785.

IMPORTANT: WARRANTY AND DISCLAIMER INFORMATION

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