

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

March 31, 2022

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

Bob MacDonald Agent Novalent, Ltd. 2319 Joe Brown Dr. Greensboro, NC 27405

Subject: Notification per PRN 98-10 – Minor label changes Product Name: EnviroSystems ProShield 5000 EPA Registration Number: 53053-21 Received Date: 01/28/2022 Action Case Number/Decision Number: 00338482

Dear Bob MacDonald:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the 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) lists 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 Assurance.

If you have any questions, you may contact Carlos Corona via email at Corona.Carlos@epa.gov.

Sincerely,

Carlos Corona

for John Hebert, Branch Chief Regulatory Management Branch 1 Antimicrobials Division Office of Pesticide Programs

EPA Reg. No. 53053-21 01/28/2022 Page 1 of 9



NOTIFICATION 53053-21

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:

03/31/2022

EnviroSystems®ProShield®5000 ANTIMICROBIAL AGENT*

For Manufacturing Use Only

A Silicone Quaternary Ammonium Salt

KEEP OUT OF REACH OF CHILDREN

WARNING

[See [side] [back] panels for additional precautionary statements]

Active Ingredient: 3-(trihydroxysilyl)propyldimethyloctadecyl ammonium chloride)%
Other Ingredients:)%
Total Ingredients:)%

EPA Reg. No. 53053-21

EPA Est. No. XXXX-XX-XXX

Net Contents: 1, 5, 30, 55,275 gal. or 5500 gal (tanker qty)

Lot No.

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

FIRST AID

Have the product container or label with you when calling the poison control center or doctor, or going for treatment.

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing.
- Call poison control center or doctor for treatment advice.

IF INHALED:

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

IFON SKIN:

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

IF SWALLOWED:

- Call 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.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING. Causes substantial but temporary eye injury. Harmful if absorbed through the skin or inhaled. Do not get in eyes or on clothing. Avoid contact with skin, eyes and clothing. Avoid breathing vapor or spray mist. Wear protective eyewear and protective clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using the toilet. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

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.

Every effort should be made to contain accidental spills of EnviroSystems[®] ProShield[®] 5000 to the immediate area. This may be accomplished by the use of sandbags or barrier material to confine the spill to facilitate cleanup and disposal. Contaminated sands or barrier material may then be disposed of by burial in an approved landfill. Many spills may be cleaned up with rags or other absorbent materials by wiping, soaking and/or mopping and allowing the liquid to absorb onto the material. The absorbent material may then be disposed of by incineration or landfill. Floor drains in areas of material use should be protected with absorbent material or barrier material to contain accidental spills.

De-activation required during clean up if a spill occurs. De-activation of EnviroSystems® ProShield® 5000 can be achieved by the addition of anionic surfactant (such as soap, sulfonates, sulfates) in quantity equivalent to that of EnviroSystems® ProShield® 5000.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in original, tightly closed containers below $30^{\circ}C$ ($86^{\circ}F$) and above $0^{\circ}C$ ($32^{\circ}F$) 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 on site or at an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container, Triple rinse or pressure rinse container (or equivalent) promptly after emptying

{Insert applicable triple rinse instructions for container size below}

{5 gal or less}

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. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

{More than 5 gal}

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. Tum the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or a mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of container, and rinse at about 40 **PST** for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Then offer for recycling if available, or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities.

DIRECTIONS FOR USE

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

For use in Formulating, Manufacturing, and Fabricating of Treated Article Products Specified under "approved uses." EnviroSystems® ProShield® 5000 may be used in materials that are incorporated into manufactured products. The final article may contain from 0.1 to 1.0% by weight active ingredient.

For Industrial Use Only

This product is registered for formulation into Antimicrobial Products or 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 the material into a treated article or substance is for the protection of the article or substance itself.

APPROVED USES: The active ingredient in EnviroSystems® ProShield® 5000 is effective against fungi (including, mold and mildew) and algae which cause odors, staining and discoloration as a static agent. EnviroSystems® ProShield® 5000 can be used for incorporation into the treatment of the following items or substrates to impart bacteriostatic/fungistatic activity. EnviroSystems® ProShield® 5000 may be applied to or incorporated into manufactured products listed below for use in industrial, institutional, commercial for residential locations for non-food contact uses.

USES	TYPES OF FINISHED PRODUCTS
BUILDING MATERIALS AND COMPONENTS Metal, plastic, concrete	Siding, wall board, insulation, concrete and concrete products, cinder blocks, brick, stone, ceiling tiles, architectural metal, louvers, vents, coping.

EnviroSystems® ProShield® 5000 may be used in materials that are incorporated into manufactured products at the point of manufacturing. The final article may contain from 0.1 to 1.0% by weight active ingredient. Contact NOVALENT, LTD. to determine the specific rates within this range for individual finished products.

MOLD AND MILDEW CONTROL IN WALLBOARD, CONCRETE, AND MASONRY (CINDER) BLOCK CONSTRUCTION (Used In the Manufacture of construction products)

EnviroSystems® ProShield® 5000 is used to treat wallboard, concrete, and masonry (cinder) block building materials to inhibit and prevent the growth of mold organisms when the materials are subjected to moist or wet environments.

CONCRETE/PRODUCTS

EnviroSystems® ProShield® 5000 when used as a concrete additive is added directly during concrete preparation. Use 16 fluid ounces EnviroSystems® ProShield® 5000 per cubic yard (approx. 2% active by weight or water) of concrete. Add to water before addition of concrete. Addition of EnviroSystems® ProShield® 5000 reduces deterioration of sewer pipes and manholes by inhibiting microbiologically induced corrosion. EnviroSystems® ProShield® 5000 can be used as a concrete additive for repair and renewal of sewer pipes and manholes and concrete sewer structures. **Do not use** in treatment of storm drains.

METAL PRODUCTS

(Not for treatment of in place Heating, Ventilation, Air Conditioning, and Refrigeration Systems surfaces such as louvers, vents and ducts.)

Dilute 16 ounces of Enviro Systems ProShield 5000 per gallon of water (.625% active); mix well. Apply and then let stand until dry or let stand 3 minutes and wipe dry with cloth and sponge. If spotting occurs, wipe with moist cloth or sponge. Enviro Systems ProShield 5000 treats approximately 200 square feet per diluted gallon of water.

PREVENTATIVE TREATMENT

To inhibit surface mold and mildew growth on wood, wallboard, concrete, and masonry (cinder) block construction materials. Mix EnviroSystems® ProShield® 5000 into water at the rate of 1 gallon (10.5 lbs) per 50 gallons of water apply evenly by paintbrush, airless sprayer, low pressure hand wand, or backpack sprayer. Assure uniform coverage of surfaces to be protected (approximately 500 sq. ft. per gallon). Surfaces should be evenly wet without runoff or pooling. Let surfaces dry thoroughly before applying additional coatings. Before applying this product, visible mold growth must be removed and conditions favorable to mold growth must be identified and corrected.

USES	TYPES OF FINISHED PRODUCTS
ROOFING MATERIALS	Shingles, roofing granules, tiles, membranes,
	underlayment, wood shakes, felt, stone, concrete,
	synthetic overcoats.

EnviroSystems® ProShield® 5000 may be used in materials that are incorporated into manufactured products at the point of manufacturing. The final article may contain from 0.1% to 1.0% by weight active ingredient. Contact **NOVALENT**, LTD. to determine the specific rates within this range for individual finished products.

USES	TYPES OF FINISHED PRODUCTS
WALLS AND FLOORING	Vinyl, wood, laminate, concrete, tile, stone,
	wallboard, plaster, dryvit concrete, cinder block,
	brick, wall paper and wall coverings, carpet,
	underlayment, mats.

EnviroSystems® ProShield® 5000 may be used in materials that are incorporated into manufactured products at the point of manufacturing. The final article may contain from 0.1% to 1.0% by weight active ingredient. Contact **NOVALENT**, LTD. to determine the specific rates within this range for individual finished products.

For Dipping/Soaking Application: Dilute 8 ounces of Enviro Systems ProShield \$\overline\$ 5000 per gallon of water (2 oz. per quart; 1 oz. per pint); mix well. Completely submerge item in solution for 3 minutes. Remove item and dry. Test for staining and color-fastness of fabrics by treating and drying a small, concealed area prior to application. Do no reuse solution after dipping/soaking.

For Spray Application: Dilute 8 ounces of EnviroSystems® ProShield® 5000 per gallon of water (2 oz. per quart; I oz. per pint); mix well. Apply and then let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test for staining and color-fastness of fabrics and carpets by treating and drying a small, concealed area prior to application. EnviroSystems® ProShield® 5000 treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates, more EnviroSystems® ProShield® 5000 may be required due to absorption. Dry articles in accordance with standard manufacturing drying procedures. A fan may be used to assist in drying carpeting. The substrate can be dried at room temperature or at temperatures to a maximum of 160°C (320°F), or industry standards for drying.

USES	TYPES OF FINISHED PRODUCTS
FIBERS AND FABRICS (NATURAL AND	Apparel including recreational gear, sportswear,
SYNTHETIC, WOVEN AND NON-WOVEN)	sleepwear, sock, hosiery, undergarments, gloves,
Acetates, acrylics, cotton, nylon, Iycra, polyester,	uniform, footwear (boots, shoes and components,
polyethylene, polyolefins, polypropylene, rayon,	shoe insoles, athletic and casual shoes. Outerwear
spandex, vinyl, wool, orlon, silk and blends of these	(jackets, sweaters, sweatshirts, coats, raincoats,
fibers and natural down	overcoats, jerseys, ponchos) bedspreads, blankets,
	sheets, pillow covers, quilts, pillows, mattress pad,
	ticking, filling, sleeping bags. Upholstery, curtains,
	drapery, mats, throw rugs, furniture, vinyl,
	toweling, awning, tents, tarpaulins, sails, rope and
	other outdoor equipment, umbrellas

EnviroSystems® ProShield® 5000 may be used in materials that are incorporated into manufactured products at the point of manufacturing. The final article may contain from 0.1% to 1.0% by weight active ingredient. Contact **NOVALENT**, LTD. to determine the specific rates within this range for individual finished products.

EnviroSystems[®] ProShield[®] 5000 is approved for use in formulation microbiostats for use in laundry additives, carpet treatment products, and upholstery and drapery treatment products.

For Spray Application: Dilute 8 ounces of EnviroSystems® ProShield® 5000 per gallon of water (2 oz. per quart; 1 oz. per pint); mix well. Apply and then let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test for staining and color-fastness of fabrics and carpets by treating and drying a small, concealed area prior to application. EnviroSystems® ProShield® 5000 treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates, more EnviroSystems® ProShield® 5000 may be required due to absorption. Dry articles in accordance with standard manufacturing drying procedures. A fan may be used to assist in drying carpeting.

For Dipping/Soaking Application: Dilute 8 ounces of EnviroSystems® ProShield® 5000 per gallon of water (2 oz. per quart; 1 oz. per pint); mix well. Completely submerge item in solution for 3 minutes. Remove item and dry. Test for staining and color-fastness of fabrics by treating and drying a small, concealed area prior to application. Do no reuse solution after dipping/soaking.

USES **TYPES OF FINISHED PRODUCTS** PAINTS AND COATING EnviroSystems® ProShield® 5000 can be used in paints and coatings as an in can preservative for protection of paint film and coating film. Types of paints and coatings include: latex indoor/outdoor paints and stains, woodstains, architectural paints, lacquer and maintenance coatings, films, laminates and finishes including alkyd, urethane, enamel, epoxy, siloxaline, amino resins, textile coatings, extrusion coatings, architectural coatings and overlays, anticorrosion 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

The substrate can be dried at room temperatures or at temperatures to a maximum of 160°C (320°F), or industry standards for drying.

EnviroSystems® ProShield® 5000 can be used in paints and coatings as an in can preservative for protection of paint film and coating film. The final article may contain from 0.1% to I.0% by weight active ingredient. Contact **NOVALENT**, LTD. to determine the specific rates within this range for individual products.

PAINTS AND COATINGS

IN CAN PRESERVATTVE USE

Incorporate this product into coating that are intended for end use applications. The purpose of the coating is to seal the end product from moisture and corrosion. The purpose of EnviroSystems® ProShield® 5000 in the coating as an in can preservative is to inhibit the growth of mold, mildew, fungus and bacteria that cause odor, discolorations, staining, deterioration or corrosion on the surface of the coating film. The product protects the applied coating itself from microorganism attack, not the underlying substrate. This product is not intended for remediation, prevention or control of existing or anticipated public health related microorganism.

PAINTS AND COATINGS

Disperse 100.9 lb to 151.35 pounds (100.9 lb= 100.9 lb/1,009 lb. X 5% active of EnviroSystems® ProShield® 5000= .5% active) of EnviroSystems® ProShield® 5000 per 100 gallons (1,009 lbs= 100 gal. Specific Gravity= 1.2) of exterior paint to obtain effective mildew control in the paint film after it is it applied. Use the high rate in areas favorable to mildew and mold growth, such as where painted surfaces frequently are warm and moist. Disperse 151.35 pounds (151.35 lb= 151.35 lbs /1,009 lb. X 5% active of EnviroSystems® ProShield® 5000= .75% active) of EnviroSystems® ProShield® 5000 per 100 gallons (1,009 lbs= 100 gal. Specific Gravity= 1.2) when added to stains designed for exterior wood, also protects the wood from surface molds and mildew stains cause by fungi. Disperse 100.9 lb to 151.35 pounds (100.9 lb = 100.9 lb/1,009 lb. X 5% active of EnviroSystems® ProShield® 5000=

.5% active) of EnviroSystems® ProShield® 5000 per 100 gallons (1,009 lbs= 100 gal. Specific Gravity= 1.2) of interior latex paint.

EnviroSystems[®] ProShield[®] 5000 can be used with either unmodified or alkyd modified acrylic, vinyl acrylic, or polyvinyl acetate latexes.

EnviroSystems® ProShield® 5000 can be added into the paint formula during the pigment grind operation, during or after letdown.

DO NOT use in paints designed for applications on food-contact surfaces.

AQUEOUS ADHESIVES COATINGS

EnviroSystems® ProShield® 5000 may be incorporated into adhesives to protect the applied adhesive films from mold growth and decomposition. Fully disperse 100 pounds to 150 pounds (100 lb= 100 lb/ 1,000 lb X 5% active ofEnviroSystems® ProShield® 5000= .5% active) of EnviroSystems® ProShield® 5000 per 1,000 pounds of adhesive while it is being manufactured. Use the high rate **in** areas favorable to mildew to mold growth, such as where surfaces frequently are warm and moist. DO NOT use **in** adhesives designed for applications on food-contact surfaces, or on the interior of buildings engaged in food processing or food handling.

AQUEOUS CAULKS AND SEALANT COATINGS

To provide mildew and mold control on caulking or sealing deposits after application, fully disperse 100 pounds to 150 pounds (100 lb= 100 lb/1,000 lb X 5% active of EnviroSystems® ProShield® 5000=.5% active) of EnviroSystems® ProShield® 5000 per 1,000 pounds of caulk or sealant products while they are being manufactured. The high rate is recommended for exterior caulks.

DO NOT use in caulks or sealants designed for applications on food-contact surfaces.

EnviroSystems® ProShield® 5000 may be used in materials that are incorporated into manufactured products. The final article may contain from 0.1% to 1.0% by weight active ingredient. Contact NOVĀLENT,LTD. to determine the amount ofEnviroSystems® ProShield® 5000 for individual finished products.

For Dipping/Soaking Application: Dilute 8 ounces of Enviro Systems ® ProShield ® 5000 per gallon of water (2 oz. per quart; 1 oz. per pint); mix well. Completely submerge item in solution for 3 minutes. Remove item and dry. Test for staining and color-fastness of fabrics by treating and drying a small, concealed area prior to application. Do no reuse solution after dipping/soaking.

USES	TYPES OF FINISHED PRODUCTS
MISCELLANEOUS	Polyurethane and cellulose foam for household,
	industrial and institutional mop, polyurethane and
	polyethylene foam, when covered, polyurethane
	foam for packaging and cushioning in non-food
	contact applications, polyurethane foam used as a
	growth medium for non-food crops and plants, pre-
	moistened towelettes and tissue wipes (these do
	not impart pesticidal properties), vacuum cleaner
	bags and filters, sponges and mops, disposable
	polyurethane foam cushions for Lapidus Airfloat
	Systems, non-woven disposable diapers, foam for
	packing and cushioning in non-food contact
	applications, conveyor and humidifier belts, buffer
	pads (abrasive and polishing), bathroom and
	nonfood contact kitchen hardware, air filters to be
	installed in furnaces; air conditioners, air
	purification devices, automobiles and recirculating
	air handling systems. Disposable wiping cloths that
	can be used for multiple purposes such as dusting
	or washing furniture, cars, walls, windows, floors,
	exterior surfaces of appliances, non-food contact
	counter tops; these do not impart pesticidal
	properties.

EnviroSystems® ProShield® 5000 may be used in materials that are incorporated into manufactured products at the point of manufacturing. The final article may contain from 0.1% to 1.0% by weight active ingredient. Contact **NOVALENT**, LTD. to determine the specific rates within this range for individual finished products.

For Dipping/Soaking Application: Dilute 8 ounces of EnviroSystems® ProShield® 5000 per gallon of water (2 oz. per quart; 1 oz. per pint); mix well. Completely submerge item in solution for 3 minutes. Remove item and dry. Test for staining and color-fastness of fabrics by treating and drying a small, concealed area prior to application. Do not reuse solution after dipping/soaking.

EPA REGISTRATION REQUIREMENTS:

The applications for which this product is used may require approval by the Environmental Protection Agency on an end-use basis in regard to claims made thereof. Formulators are responsible for satisfying registration requirements for their products.

FOR MORE INFORMATION CONCERNING THIS PRODUCT, PLEASE CONSULT THE SAFETY DATA SHEET (SDS). THE SDS CAN BE OBTAINED BY WRITING:

NOVĀLENT, LTD.

2319 Joe Brown Drive Greensboro, NC 27405 (336) 375-7555

IMPORTANT: WARRANTY AND DISCLAIMER INFORMATION

NOVALENT, LTD. warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated in this bulletin when used in accordance with directions under normal conditions of use; butthis 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.

NOVĀLENT, LTD SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING THE WARRANTY OF MERCHANTABILITY.

[US Patent Numbers: 9624384 and 10010080]



Optional Logo}

{Optional Distributor/Company Logos/ Graphics, may be included in the Distributor labeling}