

87538-2

5/7/2014

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

MAY 7 2014

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Mr. Lowell Snow  
Agent for COEUS  
COEUS Technology, Inc  
2701 Enterprise Drive Suite 230  
Anderson, IN 46013

Subject: **MonoFoil M1**  
EPA Registration Number 87538-2  
Application Dated May 6, 2013  
EPA Received May 7, 2014

Dear Mr. Snow:

The following amendment submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable.

**Proposed Amendment:**

- Per Agency request revised label

**General Comments:**

Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

The next label printing of this product must use this labeling unless subsequent changes have been approved. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and it's implementing regulation at 40 CFR 152.3.

Should you have any questions or comments concerning this letter, please contact Drusilla Copeland at (703) 308-6224.

Sincerely,



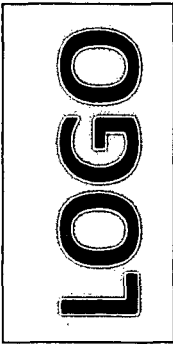
Velma Noble  
Product Manager (31)  
Regulatory Management Branch I  
Antimicrobials Division (7510P)

Enclosure: stamped label

Note Bold italicized text is information for the reader and is not part of the label [Bracketed information and phrase sequence are optional unless specified in 40 CFR 156.10 Variables such as CAPITALIZATION, plurals or singular bold and italics are optional unless specified in 40 CFR.] Optional text may be placed anywhere on the label/container. Listed uses and use sites can be used partially or in their entirety

<<Front Panel>>

**Product Name:** MonoFoil® MI  
**Alternative Trade names:** MonoFoil® Auto, MonoFoil® Marine, MonoFoil® RTU, MonoFoil® Laundry, iBond,



**INGREDIENTS:** 3-(trihydroxyethyl) propyl(dimethyl)decadecyl ammonium chloride, 1.3%  
**TOTAL:** 98.7%  
 100%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

Have product container or label with you when calling Poison Control Center or doctor, or going for treatment.	
<b>If in eyes:</b>	-Hold eye open and rinse slowly and gently with water for 15-20 minutes. -Remove contact lenses, if present, after first 5 minutes, then continue rinsing. -Call a Poison control Center or doctor for treatment advice.

**NET WT:** 1.0 OZ. (28 g), 2.0 OZ. (43 g), 4.0 OZ. (113 g), 6.0 OZ. (170 g), 8.0 OZ. (226 g)  
 12 OZ. (340 g), 18 OZ. (510 g), 24 OZ. (680 g), 32 OZ. (907 g), 64 OZ. (1814 g), 80 OZ. (2268 g)  
 128 OZ. (3628 g), 164 OZ. (4649 g), 20 Gallons, 30 Gallons, 40 Gallons, 50 Gallons, 60 Gallons, 70 Gallons, 80 Gallons, 90 Gallons, 100 Gallons, 120 Gallons, 150 Gallons, 200 Gallons, 250 Gallons, 300 Gallons, 330 Gallons

<<FRONT or BACK PANEL>>

EPA Reg. No.: 87538-2  
 EPA Est. No.: 087250-IN-001

(S) (atom or side) for Low/Data code)

**PRODUCT FEATURES AND BENEFITS**

(This product) imparts durable biostatic activity to the surface of a wide variety of substrates. (This product) is effective against mold, mildew, and algae as a static agent. Increased efficiency – through proper application, durable bacteriostatic, fungistatic and algistatic surfaces can be attained with a minimum amount of (This Product) Antimicrobial. Provides freshness and combats deterioration and discoloration caused by odor causing bacteria, fungi and algae.



3619 West 73<sup>rd</sup> Street, Anderson, Indiana 46011 U.S.A.  
 1-765-203-2304 © 2013 COEUS TECHNOLOGY

The Coeius and MonoFoil logos are registered trademarks of Coeius Technology.

MADE IN U.S.A

**NOTE:** Bracketed, bold information is denoted as: <<directive>>. (insert as noted), (optional text), [required qualifier]. The term "this product" used throughout this document may be replaced with the marketed product brand name.

**INDUSTRIAL USE PRODUCTS**

**PRECAUTIONARY STATEMENTS**

**HAZARD TO HUMANS AND DOMESTIC ANIMALS.**

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, using tobacco or using the toilet.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish. Do not discharge effluents 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 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 MonoFoil™ 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.

**DIRECTIONS FOR USE**

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

(This Product) can be applied to organic or inorganic substrates by brushing, dipping, padding, soaking, spraying or by using foam finishing techniques. Clean surfaces of debris prior to application

The substrate can be dried at temperatures from ambient to a maximum of 160°C (320°F) to effect complete condensation of silanol groups and to remove water. Optimum application and drying conditions, such as time and temperature, should be determined for each application before use. If necessary, reapply (This product) every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.

This product is registered as a microbistatic 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 [52.25(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.

**APPROVED COMMERCIAL AND INDUSTRIAL APPLICATIONS:**

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

**Plastics, fiberglass, metals, glass, wood, ceramics, stone, natural material, composites:** Including air filters for furnaces, air conditioners, air purification devices, automobiles, and reticulating air handling systems; aquarium filter; automotive and vehicular parts; roofing materials (tiles, shakes, shingles, granules, stone, membranes and felt, underlayment and synthetic overcoats); building materials and components (including siding, wallboard, wood composites, insulation and non-food contact cabinetry); ceiling tiles; concrete products; dry concrete and grout mixes; non-food contact conveyor and humidifier belts. Concrete additive for sewer pipes, manholes and concrete sewer structures; non-food contact countertops; fiberglass duct board for air handling systems; floor covering; flooring; general purpose (non-food contact) containers; furniture; bathroom and non-food contact kitchen hardware; mats; plumbing supplies and fixtures; sheet and formed glass, mops; vacuum cleaner bags and filters; foam for packaging and cushioning in non-food contact applications.

**Fibers, fabrics (natural and synthetic, woven and non-woven), leather and household materials (natural and synthetic):** Including buffer pads

(abrasive and polishing); mattress cover pads, filling and ticking; pillow covers; sheets; blankets; bedspreads; fiberfill for upholstery, apparel; Shoe insoles, recreational gear, quilts and pillows; curtains; draperies; carpet and carpet underlay; rugs; upholstery; towels; shower curtains; toilet tank and seat covers; wall covering fabrics and wallpaper (including vinyl). Disposable wiping pads/cloths that can be used for multiple purposes such as dusting or washing furniture, cars, walls, windows, floors, appliances, dishes, counter tops; the wiping pads/cloths do not impart pesticide properties, for non-food contact surfaces; umbrellas; fire hose fabric; non-woven disposable diapers; wiping cloths; pre-moistened towelettes and tissue wipes (these do not impart pesticidal properties); apparel including outerwear, sportswear, sleepwear, socks, hosiery, undergarments, textile garments composing of (cotton, natural down, nylon, polyester, rayon, wool, orlon, linen, lycra, acrylic, polypropylene, silk) gloves and uniforms; footwear (boots, shoes and components); sports equipment and athletic gear; cloth for sails, ropes, tents and other outdoor equipment; sand bags; tarps; awnings; book covers; pictures.

**DIRECTIONS FOR USE**

Approved commercial applications in homes, offices, automobiles and the following institutions: schools, hospitals, dental, rehabilitation, veterinary, daycare centers, churches, correction facilities.

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

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

**Plastics, fiberglass, metals, glass, wood, ceramics, stone, natural material, composites:** Including air filters for furnaces, air conditioners, air purification devices, automobiles, and reticulating air handling systems; aquarium filter; automotive and vehicular parts; roofing materials (tiles, shakes, shingles, granules, stone, membranes and felt, underlayment and synthetic overcoats); building materials and components (including siding, wallboard, wood composites, insulation and non-food contact cabinetry); ceiling tiles; concrete products; dry concrete and grout mixes; non-food contact conveyor and humidifier belts. Concrete additive for sewer pipes, manholes and concrete sewer structures; non-food contact countertops; fiberglass duct board for air handling systems; floor covering; flooring; general purpose (non-food contact) containers; furniture; bathroom and non-food contact kitchen hardware; mats; plumbing supplies and fixtures; sheet and formed glass, mops; vacuum cleaner bags and filters; foam for packaging and cushioning in non-food contact applications.

**Fibers, fabrics (natural and synthetic, woven and non-woven), leather and household materials (natural and synthetic):** Including buffer pads (abrasive and polishing); mattress cover pads, filling and ticking; pillow covers; sheets; blankets; bedspreads; fiberfill for upholstery, apparel; Shoe insoles, recreational gear, quilts and pillows; curtains; draperies; carpet and carpet underlay; rugs; upholstery; towels; shower curtains; toilet tank and seat covers; wall covering fabrics and wallpaper (including vinyl). Disposable wiping pads/cloths that can be used for multiple purposes such as dusting or washing furniture, cars, walls, windows, floors, appliances, dishes, counter tops; the wiping pads/cloths do not impart pesticide properties, for non-food contact surfaces; umbrellas; fire hose fabric; non-woven disposable diapers; wiping cloths; pre-moistened towelettes and tissue wipes (these do not impart pesticidal properties); apparel including outerwear, sportswear, sleepwear, socks, hosiery, undergarments, textile garments composing of (cotton, natural down, nylon, polyester, rayon, wool, orlon, linen, lycra, acrylic, polypropylene, silk) gloves and

uniforms; footwear (boots, shoes and components); sports equipment and athletic gear; cloth for sails, ropes, tents and other outdoor equipment; sand bags; tarps; awnings; book covers; pictures.

**Commercial Spray Equipment:** Using pump sprayer, spray entire area 4" - 6" from the surface making sure the surface is completely covered. Use a clean cloth or microfibre cloth to evenly wipe (This product) over the entire surface. Let stand until dry or let stand 3 minutes and wipe with clean cloth or microfibre cloth. One gallon of (This Product) Antimicrobial treats approximately 200 square feet. When treating coarser substrates, more (This product) may be required due to absorption.

**Pump Spray Application:** Using pump sprayer, spray entire area 4" - 6" from the surface making sure the surface is completely covered. Use a clean cloth or microfibre cloth to evenly wipe (This product) over the entire surface. Let stand until dry or let stand 3 minutes and wipe with clean cloth or microfibre cloth. One gallon of (This Product) Antimicrobial treats approximately 200 square feet. When treating coarser substrates, more (This product) may be required due to absorption.

**For Dipping/Soaking Application:** Use appropriate sized washbasin or tub for dipping/soaking the item you are treating. Use enough (This product) solution to completely submerge item. Completely submerge item in solution for 3 minutes. Remove item and dry. Test for staining and color-fastness of fabrics by treating and drying a small, concealed area prior to application. Do not reuse solution after dipping/soaking. The substrate can be dried at room temperatures or at temperatures to a maximum of 160°C (320°F).

For each application, determine optimum application and drying conditions, such as time and temperature, before use. If desired, reapply (This Product) if odor, staining and discoloration due to bacteria, mold or mildew occur.

**DIRECTONS FOR USE FOR RESIDENTIAL APPLICATIONS**

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

**Bed sheets, blankets, bedspreads, curtains, draperies, underwear, socks, intimate apparel, hosiery, throw rugs, toweling, toilet tank covers, shower curtains, shoe insoles, inner and outerwear apparel (jackets, sweaters, sweatshirts, coats, uniforms, raincoats, overcoats, ponchos).** (This Product) can be applied to all fabrics made of cotton, natural down, nylon, polyester, rayon, wool, orlon, linen, lycra, acrylic, polypropylene, silk

**Pest Controlled:** Odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)

**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. Completely submerge items in solution for 3 minutes. Remove items 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 in a clothes dryer at the appropriate setting for the items.

**Washing Machine:** Clean items first. Then run only rinse cycle. Add 2 ounces of (This Product for small, 3 ounces for medium or 4 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. Test for staining and color-fastness of fabrics by treating and drying a small, concealed area prior to application.

**Spray:** Clean items prior to application. Shake well. Using trigger pump sprayer or pressure sprayer, spray entire surface 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 the fabrics being treated. If spotting occurs, wipe with moist cloth or sponge. Test for staining and color-fastness 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 UPHOLSTREY / FURNITURE:**

**Spray:** Always apply only to clean surfaces. Apply to carpet and furnitures using a trigger pump sprayer or pressure sprayer, spray entire surface 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 the fabrics being treated. If spotting occurs, wipe with moist cloth or sponge. Test for staining and color-fastness 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.

**FOR BATHROOM AND NON-FOOD CONTACT BUILDING SURFACES**

(including tubs and showers, tiles, vanity tops, shower curtains, grout, sinks, washable walls, wall paper, floors, window sills, concrete or stone surfaces and garbage cans).

**Spray:** Clean items prior to application. Shake well. Using trigger pump sprayer or pressure sprayer, spray entire surface area 4" - 6" from the surface making sure the surface is completely covered. Allow to dry thoroughly before use. If spotting occurs, wipe with moist cloth or sponge.

**GROUT AND CEMENT MIX ADDITIVE:**

For use as a grout or cement additive, add (This Product) Antimicrobial directly to the dry mix during the grout or cement preparation. Use 25 fluid ounces of (This Product) per 5 pounds of dry grout mixture. Follow directions for grout or cement, using (This Product) Antimicrobial as part of the added water. Addition of (This Product) 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.

**FILTERS AND FILTER MATERIAL**

(Aquarium filters, vacuum cleaner filters and air); Clean items prior to application. Shake well. Using trigger pump sprayer or pressure sprayer, spray entire surface area 4" - 6" from the surface making sure the surface is completely covered. Allow to dry thoroughly before use.

**OPTIONAL MARKETING LANGUAGE**

(This Product) is a fast, easy, durable and affordable solution for treating surfaces against staining and discoloration caused by mold and mildew. It helps in the fight to clean and prevent mold and mildew on treated surface inside and outside your home.

- For use in Bathrooms
- For use in Non-Food Contact Kitchen Surfaces
- For use on Linens
- For use on Draperies
- For use on Fabrics
- For use on Apparel
- For use on Carpets
- For use on Bedding
- For use on Boats
- For use on Automobiles
- For use on Upholstery / Furniture
- For use on Roofs

- For use on Air Filter materials
- Imparts microbiostatic properties
- Water-Based & Odor Free
- Prevents Mold and Mildew Stains and Odors on Treated Surfaces
- Creates an invisible barrier that inhibits the growth of mold and mildew on Treated Surfaces
- Creates an invisible barrier that inhibits the growth of odor-causing bacteria on Treated Surfaces
- Protects indoors and out.
- Spray on installed glazed tiles and wall paper, tubs, shower curtains, shower stalls, sinks, window sills, cabinets, garbage cans, appliances, and vanity tops weekly to replenish barrier.
- Use on clothing, bedding, upholstery, and drapes.
- Great for roofs. Re-apply every 3 months, if needed.
- Inhibits deterioration caused by bacteria on treated surfaces.
- Resists development of microbial odors on treated surfaces.
- Resists development of stains and discoloration due to bacteria on treated surfaces.
- Resists development of stains due to fungi (mold and mildew) which cause staining and discoloration on treated surfaces.
- Resists stains due to algae on treated surfaces.
- Resists development of microbial odors due to bacteria and fungi (mold and mildew), bacteria and fungi (mold and mildew) which cause staining and discoloration and algae on treated surfaces.
- Inhibits the growth of odor causing bacteria between cleanings on treated surfaces.

-Inhibits the growth of bacteria which cause staining and discoloration between cleanings on treated surfaces.

-Inhibits the growth of fungi (mold and mildew) which cause staining and discoloration between cleanings on treated surfaces.

-Inhibits the growth of algae between cleanings on treated surfaces.

-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 between cleanings on treated surfaces.

-Mold, mildew, odor protector and inhibitor on treated surfaces.

-(This Product) is an antimicrobial agent effective against odor causing bacteria on treated surfaces.

-(This Product) is an antimicrobial agent effective against bacteria which cause staining and discoloration on treated surfaces.

-(This Product) is an antimicrobial agent effective against fungi (mold and mildew) which cause staining and discoloration on treated surfaces.

-(This Product) is an antimicrobial agent effective against algae.

-(This Product) is an antimicrobial agent effective against odors on surfaces in the home, in the bathroom, in the kitchen on treated surfaces.

-Bacteriostatic, fungistatic (mold and mildew), algistatic.

-Effective on hard non-porous washable bathroom and kitchen surfaces and fixtures around the home.

-Effective on modern hard non-porous washable surfaces like fiberglass, glazed porcelain, stainless steel, synthetic marble, Formica®.

**STORAGE AND DISPOSAL:**

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

**For household / residential use packages:**

**Use by:**

**Storage and Disposal:** 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 25°C (77°F). Non-refillable container. Do not reuse or refill this container. Wrap container and put in trash or offer for recycling if available.

**For Industrial and commercial use packages:**

**Small packages: (1 gal or less)**

**Storage:** Store in original, tightly closed container in an area inaccessible to children or persons unfamiliar with its use and away from food or feed. Keep tightly closed until ready to use. Reclose tightly after each use. When stored in original, unopened containers at or below 25°C (77°F), 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:** 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 ¼ full with water and recap. Shake for 10 seconds. Pour rinse into application equipment or a mix tank or store rinse for later use or disposal. 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.

**Drums and IBCs:**

**Storage:** Store in original, tightly closed container in an area inaccessible to children or persons unfamiliar with its use and away from food or feed. Keep tightly closed until ready to use. Reclose tightly after each use. When stored in original, unopened containers at or below 25°C (77°F), 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.

**NOTICE:** Coeus Technology warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated in the labeling when used in accordance with directions under normal conditions of use; but this warranty of fitness for a particular purpose does not extend to the use of this product contrary to written instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use. **COEUS TECHNOLOGY SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING THE WARRANTY OF MERCHANTABILITY.**