

S3053-10

01/08/2009

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U.S. ENVIRONMENTAL PROTECTION AGENCY

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

AGENCY Date of Issuance:
Number: 53053-10
JAN 08 2009

Term of Issuance:
Conditional

Name of Pesticide Product:
Bioshield 150

NOTICE OF PESTICIDE:
[X] Registration
Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):
Indusco, Ltd
2319 Joe Brown Drive
Greensboro, NC 27405

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

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

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

This product (OPP Decision No. D-400534) is conditionally registered in accordance with FIFRA sec 3(c)(7)(A) provided that you:

- 1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA section 4.
2. Make the labeling changes listed below before you release the product for shipment:
a. Revise the "EPA Registration Symbol to read, "EPA Reg. No. 53053-10".

Signature of Approving Official:
Velma Noble
Product Manager Team-31
Regulatory Management Branch
Antimicrobials Division (7510P)

Date:
JAN 08 2009

CONCURRENCES

Table with columns for SYMBOL, SURNAME, and DATE.

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b) Should you wish to retain a reference to the company's website on your label, then please be aware that such a reference transforms the website into labeling under the Federal Insecticide Fungicide and Rodenticide Act sec 2 (p) (2) and then the website is subject to review by the Agency. If the website content is false or misleading, the product would be misbranded and its sale or distribution unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 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. Although EPA has not yet determined the extent to which it will routinely review company websites, if the Agency finds or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from claims approved through the registration process, the website may be referred to the EPA's Office of Enforcement and Compliance Assurance.

c) Submit the final sales agreement and receipt of such sale regarding the purchase of a registered product by Indusco prior to the distribution or sale of BioShield 50, EPA Reg. No. 53053-9.

3. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

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

A stamped copy of the label is enclosed for your records. Should you have any questions regarding this letter, please contact Jacqueline McFarlane at (703) 308-6416 or Velma Noble at (703) 308-6233.

Sincerely,



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

Enclosure: Stamped Label

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

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EPA Reg. No. 53053-X  
09/19/2008  
Page 1 of 13

ENVIROSYSTEMS® BIOSHIELD® 150  
MICROBIOSTATIC AGENT\*

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

JAN 9 2009

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 53053-10

KEEP OUT OF REACH OF CHILDREN

CAUTION

Active Ingredient: Octadecylaminodimethyltrihydroxysilyl propyl ammonium chloride.....	1.50%
Other Ingredients: .....	98.50%
Total Ingredients: .....	100.00%

EPA Reg. No. 53053-X

EPA Est. No. XXXX-XX-XXX

Net Contents: 32 fluid oz.; 1, 5, 30, 55, 275 gal.

Lot No.

\* An 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.

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

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**FIRST AID**

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

**IF ON SKIN:**

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

**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.

**IF IN EYES:**

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

**IF SWALLOWED:**

- Call 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

**CAUTION.** Causes moderate eye irritation. Avoid contact with eyes, skin and clothing. Harmful if inhaled or absorbed through the skin. Avoid breathing vapors 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

**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 required during clean up if a spill occurs. De-activation of ENVIROSYSTEMS BIOSHIELD 150 can be achieved by the addition of anionic surfactant (such as soap, sulfonates, sulfates) in quantity equivalent to that of ENVIROSYSTEMS BIOSHIELD 150.

**Residential use:** This pesticide is toxic to fish. Do not contaminate water by cleaning of equipment or disposal of pesticide. Do not apply directly to water.

### 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 on site. [residential use] Wastes resulting from the use of this product may be disposed on site or at an approved waste disposal facility. [commercial/industrial use]

**Container Disposal:**

Securely wrap original container in several layers of newspaper and discard in trash. [residential use]

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities. [commercial/industrial use]

## **DIRECTIONS FOR USE**

### **Approved commercial and industrial applications**

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

Wear protective eyewear (goggles or face shield) and gloves when using this product. Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry.

Solutions can be prepared by simply adding ENVIROSYSTEMS BIOSHIELD 150 to solvent and stirring. ENVIROSYSTEMS BIOSHIELD 150 can also be diluted by adding 1 part ENVIROSYSTEMS BIOSHIELD 150 to 1 part of water or other solvent (for example, alcohol and ketones) and then applied to organic or inorganic substrates by brushing, dipping, padding, soaking, spraying, or by using foam finishing techniques.

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, 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 ENVIROSYSTEMS BIOSHIELD 150 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.

ENVIROSYSTEMS BIOSHIELD 150 when used as a concrete additive is added directly during concrete preparation. Use 20 fluid ounces per cubic feet of concrete. Add to water before addition to concrete. Addition of ENVIROSYSTEMS BIOSHIELD 150 reduces deterioration of sewer pipes and manholes by inhibiting microbiologically induced corrosion.

### **Approved commercial and industrial applications**

The active ingredient in ENVIROSYSTEMS BIOSHIELD 150 is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent. ENVIROSYSTEMS BIOSHIELD 150 can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) and algaestatic activity.

- Air filters for furnaces, air-conditioners, air purification devices, automobiles, recirculating air handling systems
- Air filters/materials
- Aquarium filter material
- Bed sheets, blankets, and bedspreads
- Buffer pads (abrasive and polishing)
- Carpets and draperies
- Concrete additive for sewer pipes, manholes and concrete sewer structures; not to be used in treatment of storm drains
- Concrete additive for repair and renewal of sewer pipes and manholes and concrete sewer structures; not to be used in treatment of storm drains
- Fiberfill for upholstery, sleeping bags, apparel, where the fiber is cotton, natural down, nylon, polyester, rayon, or wool
- Fiberglass ductboard
- Fire hose fabric
- Humidifier belts
- Mattress pads and ticking
- Men's underwear and outerwear
- Non-woven disposable diapers
- Non-woven polyester
- Outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos)

- Polyurethane and cellulose foam for household, industrial, and institutional mops
- 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)
- Roofing materials – defined as shingles, roofing granules, wood shakes, felt, stone and synthetic overcoats
- Sand bags, tents, tarpaulins, sails and ropes
- Athletic and casual shoes
- Shoe insoles
- Shower curtains
- Socks comprised of nylon, nylon/orlon, cotton/nylon, linen/Lycra, acrylic/polypropylene/nylon/Lycra, wool/silk/nylon/Lycra and wool/acrylic/nylon/Lycra
- Throw rugs
- Toweling made of 100 percent cotton, 100 percent polyester, 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, and wool
- Vacuum cleaner bags and filters
- Vinyl paper-wallpaper for non-food contact surfaces
- Disposable wiping cloths that can be used for multiple purposes such as dusting or washing furniture, cars, walls, windows, floors, appliances, dishes, counter tops, the wiping cloths do not impart pesticidal properties
- Women's hosiery
- Women's intimate apparel;

### **DIRECTIONS FOR USE**

**Approved commercial applications in homes, offices, automobiles and the following institutions:  
schools, hospitals, daycare centers, churches, correctional facilities**

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

Wear protective eyewear (goggles or face shield) and gloves when using this product. Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry. Clean surfaces prior to application.

The active ingredient in ENVIROSYSTEMS BIOSHIELD 150 is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent. ENVIROSYSTEMS BIOSHIELD 150 can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) and algaestatic activity.

- Air filters for furnaces, air-conditioners, air purification devices, automobiles, recirculating air handling systems
- Air filters/materials
- Aquarium filter material
- Bed sheets, blankets, and bedspreads
- Buffer pads (abrasive and polishing)
- Carpets and draperies

- Fiberfill for upholstery, sleeping bags, apparel, where the fiber is cotton, natural down, nylon, polyester, rayon, or wool
- Fiberglass ductboard
- Fire hose fabric
- Humidifier belts
- Mattress pads and ticking
- Men's underwear and outerwear
- Non-woven polyester
- Outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos)
- Polyurethane and cellulose foam for household, industrial, and institutional mops.
- 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
- Roofing materials – defined as shingles, roofing granules, wood shakes, felt, stone and synthetic overcoats
- Sand bags, tents, tarpaulins, sails and ropes
- Athletic and casual shoes
- Shoe insoles
- Shower curtains
- Socks comprised of nylon, nylon/orlon, cotton/nylon, linen/Lycra, acrylic/polypropylene/nylon/Lycra, wool/silk/nylon/Lycra and wool/acrylic/nylon/Lycra
- Throw rugs
- Toweling made of 100 percent cotton, 100 percent polyester, 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, and wool
- Vacuum cleaner bags and filters
- Vinyl paper-wallpaper for non-food contact surfaces
- Disposable wiping cloths that can be used for multiple purposes such as dusting or washing furniture, cars, walls, windows, floors, appliances, dishes, counter tops; the wiping cloths do not impart pesticidal properties
- Women's hosiery
- Women's intimate apparel

**For Pump Spray Application:** Dilute 1 part ENVIROSYSTEMS BIOSHIELD 150 to one part water and mix well. 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. ENVIROSYSTEMS BIOSHIELD 150 treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates, more ENVIROSYSTEMS BIOSHIELD 150 may be required due to absorption. A fan may be used to assist in drying carpeting.

**For Commercial Spray Application:** For commercial application equipment (i.e. carpet/upholstery steamers, rotary jet extraction cleaners, pressure sprayers) dilute 1 part ENVIROSYSTEMS BIOSHIELD 150 to one part water; 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 BIOSHIELD 150 treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates, more ENVIROSYSTEMS BIOSHIELD 150 may be required due to absorption. Dry carpet areas and surfaces before re-entry and dry articles before use. A fan may be used to assist in drying carpeting.

**For Dipping/Soaking Application:** Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough ENVIROSYSTEMS BIOSHIELD 150 solution to completely submerge item. Dilute 1 part ENVIROSYSTEMS BIOSHIELD 150 to 1 part water; 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.

The substrate can be dried at room temperatures or at temperatures to a maximum of 160°C (320°F), for example in a clothes dryer. Remove excess liquid before attempting to dry in a clothes dryer. If necessary, reapply ENVIROSYSTEMS BIOSHIELD 150 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.

**DIRECTIONS FOR USE**  
**Approved residential applications**

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

Wear protective eyewear (goggles or face shield), gloves, and protective clothing when using this product. Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry. Clean surfaces prior to application.

**Approved residential uses**

The active ingredient in ENVIROSYSTEMS BIOSHIELD 150 is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent.

	<b>Pest controlled</b>	<b>Dilution Rate</b>	<b>Method of Application</b>
Bedsheets, 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). ENVIROSYSTEMS BIOSHIELD 150 can be applied to fabrics made of acetates, acrylics, cotton, fiberglass, linen, Lycra, nylon, orlon, polyester, polyethylene, polyolefins, polypropylene, rayon, silk, spandex, vinyl, and wool.	Odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	1 part ENVIROSYSTEMS BIOSHIELD 150 to 1 part water	<b>DIP/SOAK:</b> Dilute ENVIROSYSTEMS BIOSHIELD 150 in water; mix well. Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough ENVIROSYSTEMS BIOSHIELD 150 to completely submerge item. Keep item in solution for 3 minutes. Remove item and wring excess liquid. Drying may be attained by dripping dry or wringing excess liquid from treated item. For larger items (e.g., bedspreads, curtains, draperies), place in washing machine on spin cycle to aid in the removal of excess liquid. Test staining and color-fastness of fabric and carpets by treating and drying a small concealed area prior to application. Do not reuse solution after dipping/soaking. Dry treated articles before use. Substrates can be hang-dried at room temperature or at temperatures to a maximum of

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			<p>160°C (320°F), (for example in a clothes dryer). Remove excess liquid before attempting to dry in a clothes dryer. If necessary, reapply ENVIROSYSTEMS BIOSHIELD 150 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.</p> <p><b>SPRAY:</b> Dilute ENVIROSYSTEMS BIOSHIELD 150 in water; mix well. Clean surface prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4" – 6" from the surface making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test staining and color-fastness of fabric by treating and drying a small, concealed area prior to application. If necessary, reapply ENVIROSYSTEMS BIOSHIELD 150 every three months or when odor, staining and discoloration due to bacteria, mold stains and mildew stains return.</p>
	<b>Pest controlled</b>	<b>Dilution Rate</b>	<b>Method of Application</b>
<p>Air filters and air filter material for</p> <ul style="list-style-type: none"> <li>• Furnaces, air conditioners</li> <li>• Air purification systems</li> <li>• Automobiles</li> <li>• Recirculating air handling systems</li> <li>• Vacuum cleaner filters</li> <li>• Aquariums</li> </ul>	<p>Odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.</p>	<p>1 part ENVIROSYSTEMS BIOSHIELD 150 to 1 part water</p>	<p><b>SPRAY:</b> Dilute ENVIROSYSTEMS BIOSHIELD 150 in water; mix well. When treating filters, remove filter from the unit. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4" – 6" from the surface making sure the surface is completely covered. Apply and then let stand until dry. If necessary, reapply ENVIROSYSTEMS BIOSHIELD 150 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains and algae stains return.</p>
	<b>Pest controlled</b>	<b>Dilution Rate</b>	<b>Method of Application</b>
<p>Carpeting</p>	<p>Odor causing bacteria, bacteria which cause staining</p>	<p>1 part ENVIROSYSTEMS BIOSHIELD 150 to 1 part water</p>	<p><b>SPRAY:</b> Dilute ENVIROSYSTEMS BIOSHIELD 150 in water; mix well. Apply to clean carpet surface. Using a trigger</p>

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	<p>and discoloration, and fungi (mold and mildew)</p>		<p>pump sprayer or pressure sprayer, spray the entire surface area 4" – 6" from the surface making sure the surface is completely covered. For rotary jet extraction cleaners and carpet steamers, add the diluted ENVIROSYSTEMS BIOSHIELD 150 solution 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. ENVIROSYSTEMS BIOSHIELD 150 treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates (e.g. wool carpeting), more ENVIROSYSTEMS BIOSHIELD 150 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 areas until completely dried. If necessary, reapply ENVIROSYSTEMS BIOSHIELD 150 every three months or when odor, staining and discoloration due to bacteria, mold stains and mildew stains return.</p>
	<p><b>Pest controlled</b></p>	<p><b>Dilution Rate</b></p>	<p><b>Method of Application</b></p>
<p>Mattress pad and mattress ticking and upholstery composed of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethylene, polyolefins, polypropylene, rayon, spandex, vinyl, wool; fiberfill to be used in upholstery, sleeping bags, apparel, where the fiber is cotton, natural down, nylon, rayon or wool.</p>	<p>Odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)</p>	<p>1 part ENVIROSYSTEMS BIOSHIELD 150 to 1 part water</p>	<p><b>SPRAY:</b> Dilute ENVIROSYSTEMS BIOSHIELD 150 in water; mix well. Clean surfaces prior to application. Using a trigger pump sprayer, spray the entire surface area 4" – 6" from the surface making sure the surface is completely covered. Apply and then let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test staining and color-fastness of fabric by treating and drying a small, concealed area prior to application. When applying to mattress pads and ticking do not soak. Remove children and pets from treated area until completely dried. If necessary, reapply ENVIROSYSTEMS</p>

			BIOSHIELD 150 every three months or when odor, staining and discoloration due to bacteria, mold stains and mildew stains return.
	<b>Pest controlled</b>	<b>Dilution Rate</b>	<b>Method of Application</b>
Tents, tarpaulins, sails, ropes	Odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae.	1 part ENVIROSYSTEMS BIOSHIELD 150 to 1 part water	<p><b>SPRAY:</b> Dilute ENVIROSYSTEMS BIOSHIELD 150 in water; mix well. Clean surface prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4" – 6" from the surface making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test staining and color-fastness of fabric by treating and drying a small, concealed area prior to application. If necessary, reapply ENVIROSYSTEMS BIOSHIELD 150 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains and algae stains return.</p> <p><b>DIP/SOAK:</b> Dilute ENVIROSYSTEMS BIOSHIELD 150 in water; mix well. Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough ENVIROSYSTEMS BIOSHIELD 150 solution to completely submerge item. Keep item in solution for three minutes. Remove item and wring excess liquid. Do not reuse solution after dipping/soaking. Dry treated articles before use. Substrates can be hang-dried at room temperature or at temperatures to a maximum of 160°C (320°F); (for example in a clothes dryer). Remove excess liquid before attempting to dry in a clothes dryer. If necessary, reapply ENVIROSYSTEMS BIOSHIELD 150 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.</p>
	<b>Pest controlled</b>	<b>Dilution Rate</b>	<b>Method of Application</b>
Roofing materials (such as	Odor causing	1 part	<b>SPRAY:</b> Dilute

<p>shingles, roofing granules, wood shakes, felt, stone, synthetic overcoats)</p>	<p>bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae.</p>	<p>ENVIROSYSTEMS BIOSHIELD 150 to 1 part water</p>	<p>ENVIROSYSTEMS BIOSHIELD 150 in water; mix well. Make sure the roof is clean prior to application. Using a pressure sprayer, spray the entire surface area 6"-12" from the surface making sure the surface is completely covered. After applying the dilute solution of ENVIROSYSTEMS BIOSHIELD 150, let stand until dry. ENVIROSYSTEMS BIOSHIELD 150 treats approximately 200 square feet of roofing per diluted gallon of water. If necessary, reapply ENVIROSYSTEMS BIOSHIELD 150 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.</p>
	<p><b>Pest controlled</b></p>	<p><b>Dilution Rate</b></p>	<p><b>Method of Application</b></p>
<p>Buffer pads (polishing and abrasive), Polyurethane and cellulose foam for household mops, vacuum cleaner bags, umbrellas, casual shoes, athletic shoes</p>	<p>Odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)</p>	<p>1 part ENVIROSYSTEMS BIOSHIELD 150 to 1 part water</p>	<p><b>SPRAY:</b> Dilute ENVIROSYSTEMS BIOSHIELD 150 in water; mix well. Clean surface prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4" – 6" from the surface making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. If necessary, reapply ENVIROSYSTEMS BIOSHIELD 150 every three months or when odor, staining and discoloration due to bacteria, mold stains and mildew stains return.</p>
	<p><b>Pest controlled</b></p>	<p><b>Dilution Rate</b></p>	<p><b>Method of Application</b></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 which cause staining and discoloration, and fungi (mold and mildew)</p>	<p>1 part ENVIROSYSTEMS BIOSHIELD 150 to 1 part water</p>	<p><b>SPRAY:</b> Dilute ENVIROSYSTEMS BIOSHIELD 150 in water; mix well. Using a trigger pump sprayer, spray the entire surface area 4" – 6" from the surface making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. If necessary, reapply ENVIROSYSTEMS BIOSHIELD 150 every three months or when odor, staining and discoloration due</p>

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			to bacteria, mold stains, and mildew stains return.
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Imparts microbiostatic properties.

Use on carpet and upholstery to inhibit odor causing bacteria and fungi (mold and mildew), bacteria and fungi (mold and mildew) which cause staining and discoloration.

Unscented.

Use on carpet and upholstery to inhibit the growth of odor causing bacteria.

Use on carpet and upholstery to inhibit the growth of bacteria which cause staining and discoloration.

Use on carpet and upholstery to inhibit the growth of fungi (mold and mildew) which cause staining and discoloration.

Use on carpet and upholstery to inhibit the growth of odor causing bacteria and fungi (mold and mildew), bacteria and fungi (mold and mildew) which cause staining and discoloration and algae.

Provides an invisible microbiostatic coating to inhibit the growth of odor causing bacteria.

Provides an invisible microbiostatic coating to inhibit the growth of bacteria which cause staining and discoloration.

Provides an invisible microbiostatic coating to inhibit the growth of fungi (mold and mildew) which cause staining and discoloration.

Provides an invisible microbiostatic coating to inhibit the growth of algae.

Provides an invisible microbiostatic coating to inhibit the growth of odor causing bacteria and fungi (mold and mildew), bacteria and fungi (mold and mildew) which cause staining and discoloration and algae.

Prevents deterioration caused by bacteria and fungi (mold and mildew) which cause staining and discoloration.

Inhibits deterioration caused by bacteria.

Resists development of microbial odors.

Resists development of stains and discoloration due to bacteria.

Resists development of stains due to fungi (mold and mildew) which cause staining and discoloration.

Resists stains due to algae.

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.

Provides/creates an invisible barrier to inhibit the growth of odor causing bacteria.

Provides/creates an invisible barrier to inhibit the growth of bacteria which cause staining and discoloration.

Provides/creates an invisible barrier to inhibit the growth of fungi (mold and mildew) which cause staining and discoloration.

Provides/creates an invisible barrier to inhibit the growth of algae.

Provides/creates an invisible barrier to inhibit the growth of odor causing bacteria and fungi (mold and mildew), bacteria and fungi which cause staining and discoloration and algae.

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 (mold and mildew) which cause staining and discoloration between cleanings.

Inhibits the growth of algae between cleanings.

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.

Mold, mildew, odor protector and inhibitor.

ENVIROSYSTEMS BIOSHIELD 150 is an antimicrobial agent effective against odor causing bacteria.

ENVIROSYSTEMS BIOSHIELD 150 is an antimicrobial agent effective against bacteria which cause staining and discoloration.

ENVIROSYSTEMS BIOSHIELD 150 is an antimicrobial agent effective against fungi (mold and mildew) which cause staining and discoloration.

ENVIROSYSTEMS BIOSHIELD 150 is an antimicrobial agent effective against algae.

ENVIROSYSTEMS BIOSHIELD 150, an antimicrobial agent, controls the source of odors on surfaces in the home, in the bathroom, in the kitchen.

Bacteriostatic, fungistatic (mold and mildew), algaestatic.

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ENVIROSYSTEMS BIOSHIELD 150, an antimicrobial agent, inhibits smelly odors caused by mold and mildew that can grow even in the cleanest of homes.

ENVIROSYSTEMS BIOSHIELD 150, an antimicrobial agent, inhibits the growth of odor causing bacteria.

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

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

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

IndusCo Ltd  
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Greensboro, NC 27405  
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