

53053-8

12/22/2011

10/16

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Sally Hayes  
Agent for Indusco  
Scientific & Regulatory Consultants, Inc.  
P.O. Box 1014  
Columbia City, IN 4675

DEC 22 2011

SUBJECT: EnviroSystems® ProShield™ 5000 D  
EPA Registration Number: 53053-8  
Application Dated: November 28, 2011  
Receipt Date: November 29, 2011

Dear Ms. Hayes:

This letter acknowledges receipt of the notification identified above submitted under the provisions of section 3 (c) 9 of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended and PR Notice 98-10 and 40 CFR 152.46.

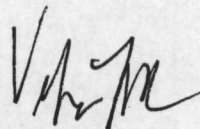
- Updating Storage and Disposal Section per PR Notice 2007-4.

Based on a review of the submitted information, this notification is acceptable. Your proposed changes will be made part of the record for this file.

**General Comments**

Should you have any questions concerning this letter, please contact Emilia Oiguenblik at (703) 347-0109 or Velma Noble at (703) 308-6233.

Sincerely,



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

**CONCURRENCES**

SYMBOL							
SURNAME							
DATE							

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Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060, Approval expires 5-31-98



United States  
Environmental Protection Agency  
Washington, DC 20460

 Registration  
 Amendment  
 Other

OPP Identifier Number

### Application for Pesticide - Section I

1. Company/Product Number 53053-8	2. EPA Product Manager Velma Noble	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) EnviroSystems® ProShield® 5000 D	PM # 31	
5. Name and Address of Applicant (Include ZIP Code) INDUSCO LTD 2319 Joe Brown Dr. Greensboro, NC 27405 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

### Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**Explanation:** Use additional page(s) if necessary. (For Section I and Section II.)

Label notification, PR 2007-4 . PRIA fee not applicable.

If you have any questions please contact Sally Hayes at 260-244-6270 or through e-mail at shayes@srconsultants.com

### Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	* <b>Certification must be submitted</b>	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____	
	If "Yes" Unit Packaging wgt.	No. per container			
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Label accompanying product	
6. Manner in Which Label is Affixed to Product			<input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled	<input type="checkbox"/> Other _____	

### Section - IV

1. Contact Person (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Sally Hayes	Title Agent for INDUSCO LTD	Telephone No. (Include Area Code) (260) 244-6270
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received  <b>(Stamped)</b>
2. Signature <i>Sally Hayes</i>	3. Title Agent for INDUSCO LTD	
5. Typed Name Sally Hayes	4. Date 11/28/2011	



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**SRC**  
**Scientific & Regulatory**  
Consultants, Inc.

November 28, 2011

Ms. Velma Noble, PM 31  
Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
U. S. Environmental Protection Agency  
Room S-4900, 4th Floor  
One Potomac Yard  
2777 S Crystal Drive  
Arlington, VA 22202

**Subject: EnviroSystems® ProShield® 5000 D**  
**EPA Reg. No. 53053-8**

Ms. Noble,

On behalf of our client, INDUSCO LTD, enclosed is a notification to revise the EnviroSystems® ProShield® 5000 D label to comply with PRN 2007-4. No data is submitted with this submission therefore no PRIA fee is required.

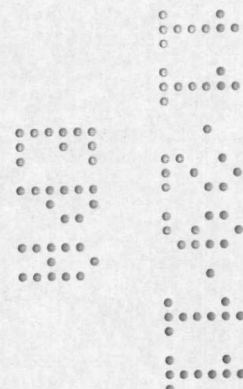
The following information is included for this notification:

- 1. Application
- 2. Label redlined with changes
- 3. Label, clean (5 copies)

Please contact me at (260) 244-6270 or at shayes@srconsultants.com if you have any questions about this amendment.

Sincerely,

*Sally Hayes*  
Sally Hayes  
Agent for INDUSCO LTD



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EPA Reg. No. 53053-8

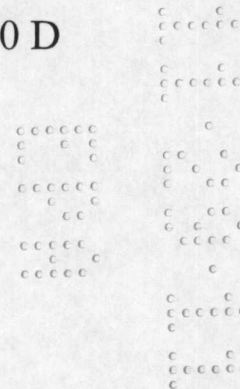
10/31/2011

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NOTIFICATION  
Date Reviewed: 12-22-11  
Reviewed By: Sequerchik

ENVIROSYSTEMS® PROSHIELD™ 5000 D  
MICROBIOSTATIC AGENT\*

A Silicone Quaternary Ammonium Salt



KEEP OUT OF REACH OF CHILDREN

WARNING

Active Ingredient: Octadecylaminodimethyltrihydroxysilyl propyl ammonium chloride ..... 5.0%  
Other Ingredients: .....95.0%  
Total Ingredients: .....100.0%

EPA Reg. No. 53053-8

EPA Est. No. XXXXX

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 of fungi.

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

Note: {Bracketed Text} is for administrative purposes only and will not appear on the printed label.



**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, 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, and then give artificial respiration, preferably mouth-to-mouth, if possible.
- Call poison control center or doctor for further treatment advice.

**IF ON SKIN:**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- 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.

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**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 and avoid breathing vapors or spray mist. Wear protective eyewear (goggles, face shield or safety glasses). 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 PROSHIELD 5000 D can be achieved by the addition of anionic surfactant (such as soap, sulfonates, sulfates) in quantity equivalent to that of ENVIROSYSTEMS PROSHIELD 5000 D.

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

**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:**

{Commercial/industrial use}

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

{Residential use}

Wastes resulting from the use of this product may be disposed of on site.

**Container Disposal:** 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 ¼ 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 ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and

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forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

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**  
**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.

Prepare solutions by simply adding ENVIROSYSTEMS PROSHIELD 5000 D to solvent and stirring. Dilute ENVIROSYSTEMS PROSHIELD 5000 D by adding 0.2 to 2 fluid ounces of AM 5000 per cup (3.2 to 32 fluid ounces of ENVIROSYSTEMS PROSHIELD 5000 D per gallon) of water or other solvents (for example, alcohol and ketones) and then apply to organic or inorganic substrates by brushing, dipping, padding, soaking, spraying or by using foam finishing techniques to give a final treatment of 0.1 to 1 percent by weight active ingredient.

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 ENVIROSYSTEMS PROSHIELD 5000 D every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

ENVIROSYSTEMS PROSHIELD 5000 D when used as a concrete additive is added directly during concrete preparation. Use 6 fluid ounces ENVIROSYSTEMS PROSHIELD 5000 D per cubic feet of concrete. Add to water before addition of concrete. Addition of ENVIROSYSTEMS PROSHIELD 5000 D reduces deterioration of sewer pipes and manholes by inhibiting microbiologically induced corrosion.

ENVIROSYSTEMS PROSHIELD 5000 D when used as an additive for paints and coatings is added directly during preparation of the paint and coating. Use 5 pounds of ENVIROSYSTEMS PROSHIELD 5000 D per 100 pounds of paint or coating (or 1 pound ENVIROSYSTEMS PROSHIELD 5000 D per 20 pounds paint/coating). The addition of the antimicrobial agent (ENVIROSYSTEMS PROSHIELD 5000 D) to paints at the point of manufacture preserves the paint in the can as well as the dried paint film. ENVIROSYSTEMS PROSHIELD 5000 D inhibits the growth of odor causing bacteria, bacteria which causes staining and discoloration, fungi (mold and mildew), and algae on the surface of dried films and coatings.

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### Approved commercial and industrial applications

The active ingredient in ENVIROSYSTEMS PROSHIELD 5000 D 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. ENVIROSYSTEMS PROSHIELD 5000 D can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) 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
- Cellulose sponges
- 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
- Exterior walls (such as stone, concrete, brick)
- 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)
- ENVIROSYSTEMS PROSHIELD 5000 D 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, anti-corrosion coatings, fire-resistant coatings, aliphatic coatings, vinylester and polyester coatings, gel coatings, amino resins, resins used as additive mixes for cement, epoxy laminating resins, and blends and copolymers thereof;
- 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

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- 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
- 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 used in homes, offices, automobiles and institutions e.g., 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.

**For Pump Spray Application:** Dilute 8 ounces of ENVIROSYSTEMS PROSHIELD 5000 D per gallon of water (2 oz. per quart; 1 oz. per pint). Using pump sprayer, spray entire area 4" – 6"s 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 PROSHIELD 5000 D treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates, more ENVIROSYSTEMS PROSHIELD 5000 D 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 8 ounces of ENVIROSYSTEMS PROSHIELD 5000 D 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 D treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates, more ENVIROSYSTEMS PROSHIELD 5000 D 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 PROSHIELD 5000 D solution to completely submerge item. Dilute 8 ounces of ENVIROSYSTEMS PROSHIELD 5000 D 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.

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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 PROSHIELD 5000 D every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

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

The active ingredient in ENVIROSYSTEMS PROSHIELD 5000 D 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. ENVIROSYSTEMS PROSHIELD 5000 D can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) 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
- Cellulose sponges
- Exterior walls (such as stone, concrete, brick)
- 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, wool
- Vacuum cleaner bags and filters
- Vinyl paper-wallpaper for non-food contact surfaces

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- 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 For homeowner 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. Clean surfaces prior to application.

### Approved homeowner uses

The active ingredient in ENVIROSYSTEMS PROSHIELD 5000 D is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent. ENVIROSYSTEMS PROSHIELD 5000 D can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) activity.

	Pest controlled	Dilution Rate	Method of Application
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 PROSHIELD 5000 D 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)	8 oz./gallon 2 oz./quart 1 oz./pint	<b>DIP/SOAK:</b> Dilute ENVIROSYSTEMS PROSHIELD 5000 D in water; mix well. Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough ENVIROSYSTEMS PROSHIELD 5000 D solution 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 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 160°C (320°F); (for example in a clothes dryer). If necessary, reapply ENVIROSYSTEMS PROSHIELD 5000 D

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			<p>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 PROSHIELD 5000 D 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 AM 5000 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>8 oz./gallon 2 oz./quart 1 oz./pint</p>	<p><b>SPRAY:</b> Dilute ENVIROSYSTEMS PROSHIELD 5000 D in water; mix well. When treating filters, removed 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 PROSHIELD 5000 D 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 and discoloration, and fungi (mold and mildew)</p>	<p>8 oz./gallon 2 oz./quart 1 oz./pint</p>	<p><b>SPRAY:</b> Dilute ENVIROSYSTEMS PROSHIELD 5000 D in water; mix well. Apply to clean carpet surface. 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. For rotary jet extraction cleaners and carpet steamers, add the diluted ENVIROSYSTEMS PROSHIELD 5000 D solution directly to the cleaning tank, then operate the equipment in accordance with manufacturer's instructions. Apply and then let stand until dry. Test for staining and color-fastness of carpets by treating and drying a small, concealed area prior to application. ENVIROSYSTEMS PROSHIELD 5000 D treats approximately</p>

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			200 square feet per diluted gallon of water. When treating coarser substrates (e.g. wool carpeting), more ENVIROSYSTEMS PROSHIELD 5000 D 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 PROSHIELD 5000 D 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>
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.	Odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz./gallon 2 oz./quart 1 oz./pint	<b>SPRAY:</b> Dilute ENVIROSYSTEMS PROSHIELD 5000 D 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 for 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 PROSHIELD 5000 D 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.	8 oz./gallon 2 oz./quart 1 oz./pint	<b>SPRAY:</b> Dilute ENVIROSYSTEMS PROSHIELD 5000 D 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 for staining and color-fastness of fabric by treating and drying a small, concealed area prior to application. If necessary, reapply ENVIROSYSTEMS PROSHIELD 5000 D every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains and algae stains return.

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			<p><b>DIP/SOAK:</b> Dilute ENVIROSYSTEMS PROSHIELD 5000 D in water; mix well. Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough ENVIROSYSTEMS PROSHIELD 5000 D solution to completely submerge item. Keep item in solution for three minutes. Remove item and wring excess liquid. Test staining and color-fastness of fabric 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 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 PROSHIELD 5000 D 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 shingles, roofing granules, wood shakes, felt, stone, synthetic overcoats) Exterior wall (such as stone, concrete, brick)	Odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew) and algae.	8 oz./gallon 2 oz./quart 1 oz./pint	<p><b>SPRAY:</b> Dilute ENVIROSYSTEMS PROSHIELD 5000 D in water; mix well. Make sure the roof or wall 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 PROSHIELD 5000 D, let stand until dry. ENVIROSYSTEMS PROSHIELD 5000 D treats approximately 200 square feet of roofing or wall per diluted gallon of water. If necessary, reapply ENVIROSYSTEMS PROSHIELD 5000 D 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>
Buffer pads (polishing and abrasive), Polyurethane and cellulose foam for household mops, vacuum cleaner bags, umbrellas, casual shoes, athletic shoes	Odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz./gallon 2 oz./quart 1 oz./pint	<p><b>SPRAY:</b> Dilute ENVIROSYSTEMS PROSHIELD 5000 D 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,</p>

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			reapply ENVIROSYSTEMS PROSHIELD 5000 D 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>
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.	Odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz./gallon 2 oz./quart 1 oz./pint	<b>SPRAY:</b> Dilute ENVIROSYSTEMS PROSHIELD 5000 D 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 PROSHIELD 5000 D every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

MOLD, MILDEW, ODOR PROTECTOR AND INHIBITOR ENVIROSYSTEMS PROSHIELD 5000 D is an antimicrobial agent effective against odor causing bacteria.

ENVIROSYSTEMS PROSHIELD 5000 D is an antimicrobial agent effective against bacteria which cause staining and discoloration.

ENVIROSYSTEMS PROSHIELD 5000 D is an antimicrobial agent effective against fungi (mold and mildew).

ENVIROSYSTEMS PROSHIELD 5000 D is an antimicrobial agent effective against algae.

ENVIROSYSTEMS PROSHIELD 5000 D, 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.

ENVIROSYSTEMS PROSHIELD 5000 D, an antimicrobial agent, inhibits smelly odors caused by mold and mildew that can grow even in the cleanest of homes.

ENVIROSYSTEMS PROSHIELD 5000 D, 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 made of fiberglass, glazed porcelain, Formica®, stainless steel, synthetic marble.

Imparts microbiostatic properties.

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

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).

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

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 (mold and mildew) and algae.

Prevents deterioration caused by bacteria and fungi (mold and mildew).

Inhibits deterioration caused by bacteria.

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Resists development of microbial odors.  
Resists development of stains and discoloration due to bacteria.  
Resists development of stains due to fungi (mold and mildew).  
Resists stains due to algae.  
Resists development of microbial odors, stains and discoloration due to bacteria, fungi (mold and mildew), 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).  
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 (mold and mildew) and algae.

Note: Any claims for paint use must be for the preservative of the paint in the can. ENVIROSYSTEMS PROSHIELD 5000 D is to be used as an in can preservative for paints to control the growth of odor causing bacteria, bacteria which causes staining and discoloration, fungi (mold and mildew) and algae.

**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  
(336) 375-7555  
[www.induscoltd.com](http://www.induscoltd.com)

**IMPORTANT: WARRANTY AND DISCLAIMER INFORMATION**

Indusco 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; 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.

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