

53053-5

10/2/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Bob MacDonald  
Agent for INDUSCO LTD  
Scientific & Regulatory Consultants, Inc  
P O Box 1014  
Columbia City, IN 46725

OCT -2 2012

SUBJECT EnviroSystems® BioShield® 7200  
EPA Registration Number 53053-5  
Application Dated July 5, 2012  
Receipt Date July 10, 2012

Dear Mr MacDonald

The following amendment, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), section 3(C)(7)(A) is acceptable with comments

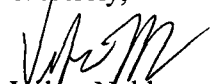
- To include lower and upper usage rate for incorporation/use in the manufacture of treated articles
- Minor label changes

**General Comments**

- Revise 14<sup>th</sup> bullet on page 5 to read " Household textiles towels, drapes, tablecloths"
- Revise the 3<sup>d</sup> bullet on page 6 by deleting " and other exterior use" This statement is too broad

A stamped copy of the accepted labeling is enclosed Submit 1 copy of your final printed label before distributing or selling the product bearing the revised labeling Should you have any questions concerning this letter, please contact Velma Noble at (703) 308-6233 or Emilia Oiguenblik at (703) 347-0199

Sincerely,



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

**CONCURRENCES**

<b>SYMBOL</b>								
<b>SURNAME</b>								
<b>DATE</b>								

# ENVIROSYSTEMS® BIOSHIELD® 7200

A Silicone Quaternary Ammonium Salt  
For Manufacturing Use Only

KEEP OUT OF REACH OF CHILDREN

**DANGER [Skull and Crossbones] POISON**

(note above statement will be in  
RED ink)

Active Ingredient 3 (trimethoxysilyl) propyldimethyl octadecyl ammonium chloride	71.2%
Other Ingredients	<u>28.8%</u>
Total	100.0%
Contains over 12% methanol	

EPA Reg No 53053-5

EPA Est No xxxx-xx-xx

**ACCEPTED  
with COMMENTS  
in EPA Letter Dated**

Net Contents 1, 5, 30, 55, 275 gallons

Lot No

**OCT - 2 2012**  
Under the Federal Insecticide  
Fungicide and Rodenticide Act as  
amended for the pesticide  
registered under EPA Reg No **53053-5**

Envirosystems BioShield 7200 is a microbiostatic 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.

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

<b>FIRST AID</b>	
<b>Have the product container or label with you when calling the poison control center or doctor, or going for treatment</b>	
<b>IF IN EYES</b>	
<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes</li> <li>• Remove contact lenses if present after the first 5 minutes then continue rinsing</li> <li>• Call poison control center or doctor for treatment advice</li> </ul>	
<b>IF INHALED</b>	
<ul style="list-style-type: none"> <li>• Move person to fresh air</li> <li>• If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible</li> <li>• Call poison control center or doctor for further treatment advice</li> </ul>	
<b>IF SWALLOWED</b>	
<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice</li> <li>• Have person sip a glass of water if able to swallow</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor</li> <li>• Do not give anything by mouth to an unconscious person</li> </ul>	
<b>IF ON SKIN OR CLOTHING</b>	
<ul style="list-style-type: none"> <li>• Take off contaminated clothing</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes</li> <li>• Call poison control center or doctor for treatment advice</li> </ul>	

<b>NOTE TO PHYSICIAN</b>
Probable mucosal damage may contraindicate the use of gastric lavage

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### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER! Corrosive** Methanol may cause blindness Causes irreversible eye damage Harmful or fatal if swallowed Harmful if inhaled Do not get in eyes or on clothing Avoid contact with skin eyes and clothing Avoid breathing vapors or spray mist Wear protective eyewear (goggles face shield or safety glasses) and protective clothing Wash thoroughly with soap and water after handling and before eating drinking chewing gum using tobacco or using the toilet Remove contaminated clothing and wash clothing before reuse

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish Do not discharge effluent containing this product into lakes streams ponds estuaries oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority For guidance contact your State Water Board or Regional Office of the EPA

### PHYSICAL OR CHEMICAL HAZARDS

Combustible Do not use or store near heat or open flame De activation of ENVIROSYSTEMS BIOSHIELD 7200 is achieved by the addition of anionic surfactant (such as soap sulfonates sulfates) in quantity equivalent to that of ENVIROSYSTEMS BIOSHIELD 7200

### STORAGE AND DISPOSAL

Do not contaminate water food or feed by storage and disposal

**Pesticide Storage** Store in original closed containers in a secure area inaccessible to children and away from food or feed

**Pesticide Disposal** Pesticide waste may be hazardous Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal Law If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance

**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

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Under the Federal Insecticide  
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regulation under EPA Reg No

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{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 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

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control law under EPA Reg No 53053-5

**DIRECTIONS FOR USE**

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

**FOR MANUFACTURING USE ONLY**

**APPROVED USES**

Before applying this product, visible mold growth must be removed and conditions favorable to mold growth must be identified and corrected

ENVIROSYSTEMS BIOSHIELD 7200 is registered for formulation into antimicrobial products or as a microbiostatic agent for material preservation. The final article may contain from 0.1% to 1.0% by weight active ingredient. Contact IndusCo, Ltd to determine the specific rates within this range for individual finished products.

ENVIROSYSTEMS BIOSHIELD 7200 may be used for incorporation into and treatment of the following substrates to impart bacteriostatic/fungistatic activity

- Air filters for furnaces, air conditioners, air purification devices, automobiles, recirculating air handling systems
- Air filters/materials
- Aquarium filter material
- Bedding including 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, etc. where the fiber is cotton, natural down, nylon, polyester, rayon, or wool
- Fiberglass ductboard
- Fire hose fabric
- Humidifier belts
- Mattress pads and ticking
- Household textiles, towels, drapes, tablecloths,
- Men's underwear and outerwear
- Non woven disposable diapers
- Outerwear apparel
- ENVIROSYSTEMS BIOSHIELD 7200 can be used in paints and coatings as an in-can preservative for protection of paint film and coating film. DO NOT use in paints designed for applications on food contact surfaces. 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, siloxane, amino resins, textile coatings, extrusion coatings, architectural coatings and overlays, anti-corrosion coatings, fire resistant coatings, aliphatic coatings, vinyl ester and polyester coatings, gel coatings, amino resins, resins used as additive mixes for cement, epoxy laminating resins, and blends and copolymers thereof.
- 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

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530535-5

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- 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 Canvas, ducking used for sand bags tents tarpaulins sails and ropes and other outdoor uses~~
- Footwear including Athletic-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 etc the wiping cloths do not impart pesticidal properties
- Women s hosiery and
- Women s intimate apparel,
- For use in formulating products used in residential kitchens and bathrooms on the following hard non porous surfaces to impart bacteriostatic/fungistatic activity,
  - Tubs
  - Glazed Tile
  - Vanity tops
  - Shower curtains
  - Shower stalls
  - Sinks
  - Washable walls
  - Floors
  - Window sills
  - Cabinets
  - Exterior of refrigerators
  - Appliances
  - Garbage cans

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ENVIROSYSTEMS BIOSHIELD 7200

Imparts microbiostatic properties

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 odors 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 which cause staining and discoloration, and algae

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Under the Federal Insecticide  
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Prevents deterioration caused by bacteria and fungi (mold and mildew) which cause odors 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 odors staining and discoloration

Resists stains due to algae

Resists development of microbial odors due to bacteria and fungi (mold and mildew) which cause odors 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 on fungi (mold and mildew) which cause odors 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) which cause odors staining and discoloration and algae

Provides bacteriostatic fungistatic, (mold and mildew) and algaestatic activity

Note Any claims for paint use must be for the preservation of the paint in the can

## IMPORTANT WARRANTY AND DISCLAIMER INFORMATION

Indusco Ltd warrants that the product conforms to its chemical description and is reasonably fit for the purposes states in this label 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 label instructions or under abnormal conditions or under conditions not reasonably foreseeable to seller and buyer assumes the risk of any such use

INDUSCO LTD SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY INCLUDING THE WARRANTY OF MERCHANTABILITY

FOR MORE INFORMATION CONCERNING THIS PRODUCT PLEASE CONSULT THE MATERIAL SAFETY DATA SHEET (MSDS) THE MSDS CAN BE OBTAINED BY WRITING INDUSCO LTD AT

Indusco Ltd  
2319 Joe Brown Drive  
Greensboro NC 27405  
(336) 375 7555  
www.induscoltd.com

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