U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (H7505C) 401 "M" St., S.W. Washington, D.C. 20460	Number: 70871-4	of Issuance: 2 7 2008	
NOTICE OF PESTICIDE: Registration Reregistration	Term of Issuance: CONDITIONAL		
(under FIFRA, as amended)	Name of Pesticide Proc BST Protectan		
Name and Address of Registrant (include 21P Code): BioShield Technologies, Inc. 4405 International Boulevard, Suite B 1 Norcross, GA 30093 Note: Changes in labeling differing in substance from that accept		stration must	
be submitted to and accepted by the Registration Division prior t correspondence on this product always refer to the above EPA regi On the basis of information furnished by the registrant, the above registered/reregistered under the Federal Insecticide, Fungicide	o use of the label in commerce. stration number. e named pesticide is hereby		
Registration is in no way to be construed as an endorsement or re In order to protect health and the environment, the Administrator cancel the registration of a pesticide in accordance with the Act with the registration of a product under this Act is not to be co exclusive use of the name or to its use if it has been covered by This product is conditionally regi	, on his motion, may at any tim . The acceptance of any name i nstrued as giving the registran others.	e suspend or n connection t a right to	
FIFRA sec. 3(c)(7)(A) provided that you		tion of	
 Submit and/or cite all data re your product under FIFRA sec. 3(c)(5) w registrants of similar products to subm acceptable responses required for rereg under FIFRA section 4. Add the phrase EPA Registratio 70871-4". 	hen the Agency requ it such data; and s istration of your p	uires al submit product	
<pre>your product under FIFRA sec. 3(c)(5) w registrants of similar products to subm acceptable responses required for rereg under FIFRA section 4. 2. Add the phrase EPA Registratio 70871-4".</pre>	hen the Agency requ it such data; and s istration of your p n Number "EPA Reg.	uires al submit product	
your product under FIFRA sec. 3(c)(5) w registrants of similar products to subm acceptable responses required for rereg under FIFRA section 4. 2. Add the phrase EPA Registratio	hen the Agency requ it such data; and s istration of your p	uires al submit product	

OFFICIAL FILE COPY

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

page 2 EPA Reg. No. 70871-4

3. This product has been registered as a microbiostatic agent for materials preservation only; neither this product, nor articles treated with this product, may state or imply any public health claims.

4. Articles or substances treated with this product will be exempt from FIFRA regulation pursuant to 40 CFR 152.25(a) only if the intended use for incorporating this material into the treated article or substance is for protection of the article or substance itself.

The following comments apply to the master label.

1. On page one, increase the font size of the asterisk (*) after "Microbiostatic Agent" and before "A microbiostatic agent is an agent that inhibits..."

On page two, include the phrase "For Residential Use 2. Only."

3. On page three in the section describing the use of this product on carpeting, revise the statement to read "Test staining and color-fastness of carpets by treating and drying a small concealed area prior to application." deleting the phrase "fabric and".

4. On page six delete the series of statements which begin "Molecularly bonds to...". These statements are unacceptable because they imply that a true chemical bond occurs between the substrate (fabric, carpet, upolstery or other surface) and your product.

5. On pages six and seven revise the statements which begin "Provides/creates an invisible barrier against the..." to read "Provides/creates an invisible barrier to inhibit the..." deleting the word "against" which implies heightened efficacy for this microbiostatic compound.

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.

CONCURRENCES					
SYMBOL					
SURNAME					
DATE					
EPA Form 1320-1A (1/90)		OFFICIAL FILE COPY			

OFFICIAL FILE COPT

page 3 EPA Reg. No. 70871-4

A stamped copy of the master label is enclosed for your records. Submit one (1) copy of the final printed label prior to the release of the product for shipment.

If you have any questions concerning this letter, please contact Tracy Lantz at (703) 308-6415.

Sincerely,

Velmo Moble

Velma Noble Product Manager 31 Regulatory Management Branch 1 Antimicrobial Division (7510C)

Enclosure: Stamped Label 7510C:T.Lantz:9/22/00:70871-4

(

MASTER LABEL FOR BST PROTECTANT RTU 50

BST Protectant RTU 50

MICROBIOSTATIC AGENT*

Active Ingredient: Other Ingredients:	3-(trimethoxysilyl) propyldimethyloctadecyl ammonium chloride	0.5% 99.5%
TOTAL INGREDIENTS:	<u> </u>	100.0%

KEEP OUT OF REACH OF CHILDREN CAUTION

Lot No. EPA Reg. No.

EPA EST. xxxxx-GA-xx

NET CONTENTS: 2, 4, 8, 16, 20, 22, 32 or 36 fluid oz.; 0.5, 1, or 5 gal.

FIRST AID

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. ٠

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 a 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. ٠
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. ٠
- Call poison control center or doctor for treatment advice. •

IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice. •
- Have person sip a glass of water if able to swallow. ٠
- 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. •

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

PAGE 1

ACCEPTED ' with COMMENTS in EPA Letter Dated:

SEP 2 7 2000

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 70871-4

PAGE 2

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if inhaled or absorbed through the skin. Avoid breathing vapors or spray mist. Avoid contact with eyes and skin. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

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

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Wear protective evewear (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. BST Protectant RTU 50 is ready to use; no dilution is required.

The active ingredient in BST Protectant RTU 50 is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent.

	Pest controlled	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). BST Protectant RTU 50 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)	DIP/SOAK: Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough BST Protectant RTU 50 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. Dorn not reuse solution after dipping/soaking. Dry treated articlese 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 BST Protectant RTU 50 every three months or when odor, staining and discoloration due to	ngicide, and Rodenticide Act as nended, for the pesticide, gistered under EPA Reg. No. 70 8 71-4

MASTER LABEL FOR BST PROTECTANT RTU 50

PAGE 3

		bacteria, mold stains, and mildew stains return.	
		SPRAY: 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 smaller concealed area prior to application. If necessary, reapply BST Protectant RTU 50 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.	icide, and Rodenticide Act as
	Pest controlled	Method of Application	
 Air filters and air filter material for Furnaces, air conditioners Air purification systems Automobiles Recirculating air handling systems Vacuum cleaner filters Aquariums 	Odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae	SPRAY: 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 BST Protectant RTU 50 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.	
	Pest controlled	Method of Application	
Carpeting	Odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	SPRAY: 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 BST Protectant RTU 50 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 fabric and carpets by treating and drying a small concealed area prior to application. BST Protectant RTU 50 treats approximately 200 square feet per gallon. When treating coarser substrates (e.g., wool carpeting), more BST Protectant RTU 50 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 area until	0/10

-- 、

	Pest controlled	discoloration due to bacteria, mold stains, and mildew stains return. Method of Application	With COMMENTS in EPA Letter Dated:
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)	SPRAY: 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 4 wipe dry with cloth or sponge. If spotting occurs, wipe with ⁴ 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 BST Protectant RTU 50 every three months or when odor, staining and discoloration due to bacteria, mold stains and mildew stains return.	SEP 27 2000 Jnder the Pederal Insecticide, angicide, and Rodenticide Act as mended, for the positivity
	Pest controlled	Method of Application	
Tents, tarpaulins, sails, ropes	Odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae	 SPRAY: 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 BST Protectant RTU 50 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return. DIP/SOAK: Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough BST Protectant RTU 50 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	~7

5.00

•	Pest	excess liquid before attempting to dry in a clothes dryer. If necessary, reapply BST Protectant RTU 50 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return. Method of Application	ACCEPTED with COMMENTS in EPA Letter Dated:
	controlled	CDDAY. Make sure the reaf is along prior to application	SEP 27 2000
Roofing materials (such as shingles, roofing granules, wood shakes, felt, stone, synthetic overcoats)	Odor causing bacteria, bacteria which cause	SPRAY: Make sure the roof is clean prior to application. Using a pressure sprayer, spray the entire surface area $\beta_{n,grid}^{under}$ 12" from the surface making sure the surface is completely in covered. After applying BST Protectant RTU 50, let stands	ded, for the pesticide.
	staining and	covered. After applying BST Protectant RTU 50, let stands until dry. BST Protectant RTU 50 treats approximately 200	708 ウノーチ
	discoloration,	square feet of roofing per gallon. If necessary, reapply BST	10311-7
	fungi (mold	Protectant RTU 50 every three months or when odor,	
	and mildew),	staining and discoloration due to bacteria, mold stains,	
	and algae	mildew stains, and algae stains return.	
	Pest	Method of Application	
	controlled		
Buffer pads (polishing and abrasive),	Odor causing	SPRAY: Clean surface prior to application. Using a trigger	
Polyurethane for household sponges and	bacteria,	pump sprayer or pressure sprayer, spray the entire surface	
mops, vacuum cleaner bags, umbrellas,	bacteria	area 4"-6" from the surface making sure the surface is	
casual shoes, athletic shoes	which cause	completely covered. Let stand until dry or let stand 3	
	staining and	minutes and wipe dry with cloth or sponge. If spotting	
	discoloration,	occurs, wipe with moist cloth or sponge. If necessary,	•
	and function	reapply BST Protectant RTU 50 every three months or when	
	fungi (mold and mildew)	odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.	
	Pest	Method of Application	
	controlled		
Tubs, glazed tiles, vanity tops, shower	Odor causing	SPRAY: Using a trigger pump sprayer, spray the entire	
curtains, shower stalls (areas), sinks,	bacteria,	surface area 4"- 6" from the surface making sure the surface	
washable walls, wall paper for non-food	bacteria	is completely covered. Let stand until dry or let stand 3	
contact, floors, window sills, cabinets,	which cause	minutes and wipe dry with cloth or sponge. If spotting	•
garbage cans, appliances, refrigerators	staining and	occurs, wipe with moist cloth or sponge. If necessary,	
(exterior), fiberglass, formica, glazed	discoloration,	reapply BST Protectant RTU 50 every three months or when	
tiles, glazed porcelain, synthetic marble,	and	odor, staining and discoloration due to bacteria, mold stains,	
plastic, vinyl	fungi (mold and mildew)	and mildew stains return.	

Imparts microbiostatic properties.

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



PAGE 5

MASTER LABEL FOR BST PROTECTANT RTU 50

PAGE 6

Unscented

Antonio Indene te de Colorie				
A finite state of the second state of the seco				
			_	
			interesteration	
	and the second			
	intellet the growth o			
	The second s	a ser an	nterie which cause staining	
			ising and discr	location.
Use on carpet and uphoiste	ery to inhibit the growth of	fodor causing bacteria.		
Use on carpet and uphoiste			uning and discoloration.	
Use on carpet and uphoiste				
			acteria which cause staining	and discoloration fundi
(mold and mildew), and		Tour causing Daviena, P	aviena minon vause stanning	and appoint anoth mug.
		ا مام الم		

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.

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 stains use to argue. Resists development of microbial odors, stains and discoloration due to bacteria, fungi (mold and mildew), and algae. Under the Federal Insecticide, Provides/creates an invisible barrier against the growth of odor causing bacteria.

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

Provides/creates an invisible barrier against the growth of fungi (mold and mildew).

Provides/creates an invisible barrier against the growth of algae.

ACCEPTEL with COMMENTS in EPA Letter Dated:

SEP 27 2000

Fungicide, and Rodenticide Act as amended, for the pessicide, registered under EPA Reg. No.

70871-4

MASTER LABEL FOR BST PROTEL (ANT RTU 50

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

Mold, mildew, odor protector and inhibitor.

BST Protectant RTU 50 is an antimicrobial agent effective against odor causing bacteria.

BST Protectant RTU 50 is an antimicrobial agent effective against bacteria which cause staining and discoloration.

BST Protectant RTU 50 is an antimicrobial agent effective against fungi (mold and mildew).

- BST Protectant RTU 50 is an antimicrobial agent effective against algae.
- BST Protectant RTU 50, 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.

BST Protectant RTU 50, an antimicrobial agent, inhibits smelly odors caused by mold and mildew that can grow even in the cleanest of homes.

BST Protectant RTU 50, 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.

STORAGE AND DISPOSAL

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

with COMMENTS Pesticide Storage: Store in original, tightly closed containers below 30°C (86°F) and above 0°C (32°F) in a secure are a light closed containers below 30°C (86°F) and above 0°C (32°F) in a secure are a light closed containers below 30°C (86°F) and above 0°C (32°F) in a secure are a light closed containers below 30°C (86°F) and above 0°C (32°F) in a secure are a light closed containers below 30°C (86°F) and above 0°C (32°F) in a secure are a light closed containers below 30°C (86°F) and above 0°C (32°F) in a secure are a light closed containers below 30°C (86°F) and above 0°C (32°F) in a secure are a light closed containers below 30°C (86°F) and above 0°C (32°F) in a secure are a light closed containers below 30°C (86°F) and above 0°C (32°F) in a secure are a light closed containers below 30°C (86°F) and above 0°C (32°F) in a secure are a light closed containers below 30°C (86°F) and above 0°C (32°F) in a secure are a light closed containers below 30°C (86°F) and above 0°C (32°F) in a secure are a light closed containers below 30°C (86°F) and above 0°C (32°F) in a secure are a light closed containers below 30°C (86°F) and above 0°C (32°F) in a secure are a light closed containers below 30°C (86°F) and above 0°C (32°F) in a secure are a light closed containers below 30°C (86°F) and above 0°C (32°F) in a secure are a light closed containers below 30°C (86°F) and above 0°C (32°F) in a secure are a light closed containers below 30°C (86°F) and above 0°C (32°F) in a secure are a light closed containers below 30°C (86°F) and above 0°C (32°F) in a secure are a light closed containers below 30°C (86°F) and above 0°C (32°F) in a secure are a light closed containers below 30°C (86°F) are a light closed containers below 30°C (

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

Container Disposal: Securely wrap original container in several layers of newspaper and discard in trash.

SEP 27 100 Under the Federal Insectidide, Fungicide, and Records de Act

ACCEPTED

Fungicide, and Rochadolide Act as amended, for the pesticide, registered under EPA Reg. No:

FOR MORE INFORMATION CONCERNING THIS PRODUCT, PLEASE CONSULT THE MATERIAL SAFETY DATA SHEET (MSDS). THE 70871-4 MSDS CAN BE OBTAINED BY WRITING BIOSHIELD TECHNOLOGIES, INC. AT 4405 INTERNATIONAL BOULEVARD, SUITE B109, NORCROSS, GEORGIA, 30093.

IMPORTANT: WARRANTY AND DISCLAIMER INFORMATION

BioShield Technologies, Inc., 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.

BIOSHIELD SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING THE WARRANTY OF MERCHANTABILITY

PAGE 7