

70871-12

2/16/2000

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
70871-12

Date of Issuance:
FEB 16 2000

NOTICE OF PESTICIDE:
 X Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:
CONDITIONAL

Name of Pesticide Product:
BioShield BSTI 1860

Name and Address of Registrant (include ZIP Code):

BioShield Technologies, Inc
4405 International Boulevard, Suite B109
Norcross, GA 30093

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 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 reregistration of your product under FIFRA section 4.
2. Add the phrase EPA Registration Number "EPA Reg. No. 70871-12".

Signature of Approving Official:

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

Date:

FEB 16 2000

EPA Form 8570-6

CONCURRENCES

SYMBOL	7510C						
SURNAME	J. J. [Signature]						
DATE	2/16/00						

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3. Your Data Matrix has been revised to include both the MRID#'s for Chemistry Guidelines 158.155, 158.160, 158.162 and 158.167: 44885901 and 44972401. Make the same revision to the Data Matrix forms in your files.

4. Delete the phrase on the center panel: "For Formulating Microbiostatic Agents, Fungistatic Agents, Deodorizers". This information is too broad. The uses of this product are clearly defined under the heading "Approved Uses".

5. Based on the presence of 12% Methanol in this product revise the "Precautionary Statements" to include the following:
"Harmful or fatal if swallowed. Harmful if inhaled."

6. Delete the following statement under "Approved Uses":
"BSTI 1860 is approved for use in formulating microbiostatic agents, fungistatic agents, and deodorizers for use in laundry additives, carpet, upholstery and drapery treatment products."
The uses of this product are clearly defined within the information which follows this statement.

7. Add the following to the "Approved Uses" section of the label:

"For use 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 Réfrigerators
- Appliances
- Garbage Cans"

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							

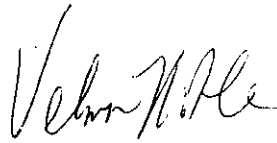
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A stamped copy of the label is enclosed for your records. Submit one (1) copy of the final printed label prior to the release of the product for shipment.

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

Sincerely,



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

Enclosure (stamped label)
7510C:T.Lantz:2/15/00:70871-12

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

ACCEPTED
with COMMENTS
In EPA Letter Dated:

FEB 16 2000

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 wastes are toxic. 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 the 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: (plastic) Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. (metal) Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration or, other procedures approved by state and local authorities. (glass) Triple rinse (or equivalent), then dispose of in a sanitary landfill or by other approved State and local procedures.

PHYSICAL OR CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame. De-activation of BSTI 1860 can be achieved by the addition of anionic surfactant in quantity equivalent to that of BSTI 1860.

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.



Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 70871-12

BSTI 1860

A Silicone Quaternary Ammonium Salt
FOR MANUFACTURING USE ONLY

ACTIVE INGREDIENT:

3-(trimethoxysilyl) propyldimethyl octadecyl ammonium chloride.....71.2%

OTHER INGREDIENTS:.....28.8%

TOTAL100%

Contains over 12% methanol

KEEP OUT OF REACH OF CHILDREN DANGER POISON

NOTE: (POISON will appear in RED ink on a contrasting background on final printed label)

see right panel for additional precautionary statements

Lot No. _____
EPA Reg. No. 70871-__

EPA EST. xxxxx-xx-xx

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention. Methanol may cause blindness. **IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention. **IF SWALLOWED:** Call a doctor or get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person. Drink promptly a large quantity of milk, eggwhites, gelatin solution, or, if these are not available, drink large quantities of water. Avoid alcohol.

IF ON SKIN: Flush skin thoroughly with water for at least 15 minutes. Wash with plenty of soap and water. Get medical attention.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER! Corrosive: Methanol may cause blindness. Causes irreversible eye damage. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield or safety glasses). Harmful if absorbed through skin. Avoid contact with skin. Harmful if swallowed or inhaled. Avoid breathing vapors or mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

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

[REDACTED]

BSTI 1860 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;
- Bed sheets, blankets, and bedspreads.
- Buffer pads (abrasive and polishing);
- Carpets and draperies;

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- 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;
- Men's underwear and outerwear;
- Non-woven disposable diapers;
- Outerwear apparel;
- Disposable polyurethane foam cushions for Lapidus Airfloat Systems;
- Polyurethane foam for household, industrial, and institutional sponges and 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, and 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 pesticide properties;
- Women's hosiery, and
- Women's intimate apparel

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 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.

BIOSHIELD 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 BIOSHIELD TECHNOLOGIES, INC. AT 4405 INTERNATIONAL BOULEVARD, SUITE B109, NORCROSS, GEORGIA, 30093. EMERGENCY TELEPHONE NUMBER (800-424-9300)

ACCEPTED
with COMMENTS
in EPA Letter Dated:
FEB 16 2000

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 70871-12'