

75174-3

10-22-2003

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division (7510C)
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460

EPA Reg. Number:
75174-3

Date of Issuance:
OCT 22 2003

Term of Issuance:
CONDITIONAL

Name of Pesticide Product:
SiS AM 500 I

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

SiShield Technologies, Inc.
5555 Glenridge Connector Suite 200
Atlanta, GA 30342

Labels for this pesticide must be submitted to the Administrator 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.

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. 75174-3".

Signature of Approving Official:

Velma Noble
Velma Noble

Regulatory Management Branch 1
Antimicrobial Division (7510C)

Date:

OCT 22 2003

EPA Form 8570-6

CONCURRENCES

SYMBOL	7510C						
SURNAME	J. Parry						
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3. Submit revised Product Chemistry data for this product which reflects the correct name of the active ingredient as stated on the accepted label: 3-(trihydroxysilyl) propyldimethyloctadecyl ammonium chloride.

4. Make the following revisions to the label:

A. Revise the first page of the label by:

1. Adding an asterisk "*" next to the phrase "Microbiostatic Agent" and including the following statement at the bottom of the page:

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

2. Including the statement: "For Manufacturing Use Only" immediately following the phrase: "A Silicone Quaternary Ammonium Salt"

B. Revise the second page of the label by:

1. Deleting the phrase from the "Directions for Use" which is out of context: "from treated areas until completely dry."

2. Revising to include mandatory language as per PR Notice 2000-5 as follows: revise: "Solutions can be preserved by simply adding..." to read: "Prepare solutions by simply adding..." as well as changing "SiS AM 500 I can also be diluted by adding..." to read "Dilute SiS by adding..." and changing "The substrate can be dried at temperatures..." to read "Dry substrate at temperatures..."

C. Revise the third page of the label by:

1. Deleting one instance of the following statement which appears twice: "SiS AM 500I can be used for incorporation...and algaestatic activity."

2. Adding the following claim under the "Approved Uses" to bring this label into agreement with your other products: "Exterior walls on the outside of architectural structures consisting of stone, concrete, or brick".

D. Revise the fourth page of the label by:

1. Revising the statement beginning: "Outerwear apparel (comprised of...)" to read exactly as follows: "Outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos)" and deleting the remaining proposed text.

2. Adding the following language such this label is in agreement with your other products "SiS AM 500 I can be used in paints and coatings as an in can preservative for protection of paint film and coating film. Typical applications and coatings include: latex indoor/outdoor

SYMBOL	Paints and stains, woodstains, architectural paints, lacquer and maintenance coatings, films						
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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, vinyl ester and polyester coatings, gel coatings, amino resins, resins used as additive mixes for cement, epoxy laminating resins, and blends and copolymers thereof

E. Revise the fifth page of the label by:

1. Revising "Appliances" to read "*Exterior Surfaces of Appliances*"
2. Adding the following statement to this label: "*Note: Any claims for paint use must be for the preservation of the paint in the can.*"

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

A stamped copy of the label is enclosed for your records. 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		CONCURRENCES				
SYMBOL	7510C:T.Lantz:10/22/03:75174-3					
SURNAME						
DATE						

SIS AM 500 I

MICROBIOSTATIC AGENT
A Silicone Quaternary Ammonium Salt

Active Ingredient:	3-(trihydroxysilyl) propyldimethyloctadecyl ammonium chloride.....	5.0%
Other Ingredients:	95.0%
TOTAL		
INGREDIENTS:	100.0%

KEEP OUT OF REACH OF CHILDREN
WARNING

EPA Reg. No. 75174-

EPA EST. xxxxx-GA-xx

NET CONTENTS: 2, 4, 8, 16, 20, 22, or 36 fluid oz.; 1, 5, 55, 150, or 300 gal.

Lot No. _____

FIRST AID	
IF IN EYES:	
<ul style="list-style-type: none"> • 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:	
<ul style="list-style-type: none"> • 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 ON SKIN:	
<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice. 	
IF SWALLOWED:	
<ul style="list-style-type: none"> • Call a 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. 	<p>ACCEPTED with COMMENTS in EPA Letter Dated: OCT 22 2003</p>

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 75174-3

Oct 13 03 05:01P

Dr. Marcelo D. Villahoz

404-531.5091

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

WARNING. Causes substantial but temporary eye injury. Harmful if absorbed through skin or inhaled. Do not get in eyes. Avoid contact with skin and avoid breathing vapor. Wear protective eyewear (goggles or face shield). 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 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 may be required during clean up if a spill occurs. De-activation of SiS AM 500I can be achieved by the addition of an anionic surfactant (such as soap, sulfonates, sulfates) in quantity equivalent to that of SiS AM 500I.

**ACCEPTED
with COMMENTS**

OCT 22 2003

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide

DIRECTIONS FOR USE

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. SiS AM 500I can be incorporated directly into formulations used to make the end products listed under "approved uses." For formulating use into end-use products. from treated area until completely dry.

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Solutions can be prepared by simply adding SiS AM 500I to solvent and stirring. SiS AM 500I can also be diluted by adding 0.2 to 2 fluid ounces of SiS AM 500I per cup (3.2 to 32 fluid ounces of SiS AM 500I per gallon) of water or other solvents (for example, alcohol and ketones) and then applied to organic or inorganic substrates by brushing, dipping, padding, soaking, spraying, fogging or by using foam finishing techniques to give a final treatment of 0.1 to 1.0 percent by weight active ingredient.

The substrate can be dried at temperatures from ambient to a maximum of 160° C (320° F) to effect complete condensation of silanol groups and to remove water, solvents and/or traces of methanol from hydrolysis. Optimum application and drying conditions, such as time and temperature, should be determined for each application before use. If necessary, reapply SiS AM 500I every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

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PAGE 3 - MASTER LABEL FOR SiS AM 500I

SiS AM 500I when used as a concrete additive is added directly during concrete preparation. Use 6 fluid ounces SiS AM 500I per cubic feet of concrete. Add to water before addition of concrete. Addition of SiS AM 500I reduces deterioration of sewer pipes and manholes by inhibiting microbiologically induced corrosion.

SiS AM 500I when used as an additive for paints and coatings is added directly during preparation of the paint or coating. Use 5 pounds of SiS AM 500I per 100 pounds of paint or coating (or 1 pound SiS AM 500I per 20 pounds paint/coating). The addition of the antimicrobial agent (SiS AM 500I) to paints at the point of manufacture preserves the paint in the can.

APPROVED USES

SiS AM 500I is approved for use in formulating microbiostats for use in laundry additives, carpet treatment products, upholstery and drapery treatment products.

The active ingredient in SiS AM 500I is effective against odor causing bacteria, bacteria which causes staining and discoloration, fungi (mold and mildew) and algae as a static agent.

SiS AM 500I can be used for incorporation into and treatment of the following items or substrates to impart bacteriostatic/fungistatic, and algaestatic activity:

SiS AM 500I can be used for incorporation into and treatment of the following items or substrates to impart bacteriostatic/fungistatic, and algaestatic activity:

- Air filters for furnaces, air-conditioners, air purification devices, automobiles, re-circulating 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
- Fiberfill for upholstery, sleeping bags, apparel, where the fiber is cotton, natural down, nylon, polyester, rayon, or wool
- Fiberglass duct board
- Fire hose fabric
- Humidifier belts
- Mattress pads and ticking
- Men's underwear and outerwear
- Non-woven disposable diapers

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PAGE 4 - MASTER LABEL FOR SiS AM 500I

- Non-woven polyester
- Outerwear apparel (comprised of acetates, acrylics, cotton, fiberglass, linen, Lycra, nylon, polyester, polyethylene, polyolefins, polypropylene, rayon, silk, spandex, vinyl, and wool)
- 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, 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 pesticide properties
- Women's hosiery
- 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

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PAGE 5 - MASTER LABEL FOR SiS AM 500I

- Exterior of refrigerators
 - Appliances
- Garbage cans

MOLD, MILDEW, ODOR PROTECTOR AND INHIBITOR SiS AM 500I is an antimicrobial agent effective against odor causing bacteria.

SiS AM 500I is an antimicrobial agent effective against bacteria which cause staining and discoloration.

SiS AM 500I is an antimicrobial agent effective against fungi (mold and mildew).

SiS AM 500I is an antimicrobial agent effective against algae.

Bacteriostatic, fungistatic (mold and mildew), algaestatic.

SiS AM 500I, an antimicrobial agent, inhibits smelly odors caused by mold and mildew that can grow even in the cleanest of homes.

SiS AM 500I, an antimicrobial agent, inhibits the growth of odor causing bacteria.

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.

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.

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STORAGE AND DISPOSAL

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

Pesticide Storage: Store in original, tightly closed containers below 30°C (86°F) and above 0°C (32°F) in a secure area inaccessible to children and away from food or feed.

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

Container Disposal: 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.

FOR MORE INFORMATION CONCERNING THIS PRODUCT, PLEASE CONSULT THE MATERIAL SAFETY DATA SHEET (MSDS). THE MSDS CAN BE OBTAINED BY WRITING SISHIELD TECHNOLOGIES, INC. AT 5555 Glenridge Connector, Atlanta, GA 30342

IMPORTANT: WARRANTY AND DISCLAIMER INFORMATION

SiShield 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.

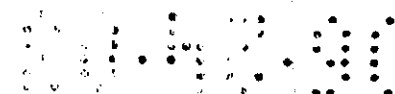
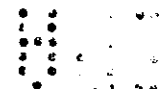
SISHIELD SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING THE WARRANTY OF MERCHANTABILITY.

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