

75174-2

10-22-2003

1/14

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:
75174-2

Date of Issuance:
OCT 22 2003

Term of Issuance:
CONDITIONAL

Name of Pesticide Product:
SiS AM 500

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFPA, as amended)

Name and Address of Registrant (include ZIP Code):

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

Note: Changes in labeling offering in substance fees that exceed \$100,000 and all registration must be submitted to and accepted by the Registration Division prior to any change. In any correspondence on this product always refer to EPA Reg. No. 75174-2.

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. 75174-2".

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. Jenkins						
DATE	10 22 03						

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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:

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."*

B. Revise the second page of the label by:

1. 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..." as well as changing "Optimum application and drying conditions..." to read "For each application determine optimum application and drying conditions..."

2. Adding the following phrase immediately after: "Addition of SiS AM 500 reduces deterioration of sewer pipes and" add: "manholes by inhibiting microbiologically induce corrosion."

C. Revise the third page of the label by:

1. Revising "Exterior walls (such as stone, concrete, brick)" to read: "Exterior walls on the outside of architectural structures consisting of stone, concrete, or brick".

2. Adding the following surface such that this label is in agreement with your other products: "Polyurethane foam used as a growth medium for non-food crops and plants."

D. Revise the fifth page of the label by:

1. Revising "The substrate can be dried at room temperatures..." to read "Dry the substrate at room temperatures..."

2. Revising "Exterior walls (such as stone, concrete, brick)" to read: "Exterior walls on the outside of architectural structures consisting of stone, concrete, or brick".

E. Revise the ninth page of the label by:

1. Revising "Exterior walls (such as stone, concrete, brick)" to read: "Exterior walls on the outside of architectural structures consisting of stone, concrete, or brick".

2. Revising "Buffer pads (polishing and abrasive) Polyurethane..." to read "Buffer pads (polishing and abrasive) Polyurethane and cellulose for household..."

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3. Revising "Appliances" to read "Exterior Surfaces of Appliances"

F. Revise the eleventh page of the label by:

Adding the following statement: "Note: Any claims for paint use must be for the preservation of the paint in the can."

5. The Alternate Formulation dated 8/28/03 is unacceptable. The amount of active ingredient in this formulation does not meet the label claim.

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
7510C:T.Lantz:10/22/03:75174-2

CONCURRENCES

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SIS AM 500

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	
<p>IF IN EYES:</p> <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. 	
<p>IF INHALED:</p> <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. 	
<p>IF ON SKIN:</p> <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. 	<p>ACCEPTED with COMMENTS in EPA Letter Dated: OCT 22 2003</p>
<p>IF SWALLOWED:</p> <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>Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 75174-2</p>

Oct 13 03 05:01P

Dr. Marcelo D. Villalobos

404-531.5091

P. 24/14

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

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 may be required during clean up if a spill occurs. De-activation of SIS AM 500 can be achieved by the addition of anionic surfactant (such as soap, sulfonates, sulfates) in quantity equivalent to that of SIS AM 500.

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.

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.

Solutions can be prepared by simply adding SIS AM 500 to solvent and stirring. SIS AM 500 can also be diluted by adding 0.2 to 2 fluid ounces of SIS AM 500 per cup (3.2 to 32 fluid ounces of SIS AM 500 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 500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

SIS AM 500 when used as a concrete additive is added directly during concrete preparation. Use 6 fluid ounces SIS AM 500 per cubic feet of concrete. Add to water before addition of concrete. Addition of SIS AM 500 reduces deterioration of sewer pipes and

with COMMENTS
in EPA Letter Dated:

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Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide
registered under EPA Reg. No. 75174-2

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SiS AM 500 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 500 per 100 pounds of paint or coating (or 1 pound SiS AM 500 per 20 pounds paint/coating). The addition of the antimicrobial agent (SiS AM 500) to paints at the point of manufacture preserves the paint in the can.

Approved commercial and industrial applications

The active ingredient in SiS AM 500 is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent. SiS AM 500 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
- Mens underwear and outerwear
- Non-woven disposable diapers
- Non-woven polyester
- Outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos)
- SiS AM 500 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, 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;
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- 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

ACCEPTED
with COMMENTS
in EPA Letter Dated:

OCT 22 2003

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 75174-2

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PAGE 4 - MASTER LABEL FOR SiS AM 500

- 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

ACCEPTED
with COMMENTS
in EPA Letter Dated:
OCT 22 2003

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

DIRECTIONS FOR USE

**Approved commercial applications used in homes, offices, automobiles and institutions
e.g., schools, hospitals, daycare centers, churches, correctional facilities**

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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 SiS AM 500 per gallon of water (2 oz. per quart; 1oz. per pint). Using pump sprayer, spray entire 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 fabrics and carpets by treating and drying a small, concealed area prior to application. SiS AM 500 treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates, more SiS AM 500 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 SiS AM 500 per gallon of water (2 oz. per quart; 1oz. 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. SiS AM 500 treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates, more SiS AM 500 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.

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PAGE 6 - MASTER LABEL FOR SiS AM 500

For Dipping/Soaking Application: Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough SiS AM 500 solution to completely submerge item. Dilute 8 ounces of SiS AM 500 per gallon of water (2 oz. per quart; 1oz. 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.

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 SiS AM 500 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 institutions
e.g., schools, hospitals, day care centers, banks, churches, correctional facilities**

The active ingredient in SiS AM 500 is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent. SiS AM 500 can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) activity.

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Under the Federal Insecticide,
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- 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
- Mens underwear and outerwear
- Non-woven polyester
- Outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos)
- 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
- 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

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PAGE 6 - MASTER LABEL FOR SiS AM 500

- 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

ACCEPTED
with COMMENTS
in EPA Letter Dated:

OCT 22 2003

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

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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 SiS AM 500 is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent. SiS AM 500 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, towelings, toilet tank covers, shower curtains, shoe insoles, outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos). SiS AM 500 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	DIP/SOAK: Dilute SiS AM 500 in water; mix well. Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough SiS AM 500 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 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. 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 SiS AM 500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

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			<p>SPRAY: Dilute SiS AM 500 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 SiS AM 500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.</p>
	Pest controlled	Dilution Rate	Method of Application
<p>Air filters and air filter material for</p> <ul style="list-style-type: none"> • Furnaces, air conditioners • Air purification systems • Automobiles • Recirculating air handling systems • Vacuum cleaner filters • Aquariums 	<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>SPRAY: Dilute SiS AM 500 in water; mix well. 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 SiS AM 500 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.</p>
	Pest controlled	Dilution Rate	Method of Application
<p>Carpeting</p> <p style="text-align: center;">ACCEPTED with COMMENTS in EPA Letter Dated: OCT 22 2003</p> <p>Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 75174-2</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>SPRAY: Dilute SiS AM 500 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 SiS AM 500 solution 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 carpets by treating and drying a small concealed area prior to application. SiS AM 500 treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates (e.g., wool carpeting), more SiS AM 500 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 completely dried. If necessary, reapply</p>

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			SiS AM 500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	Dilution Rate	Method of Application
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	SPRAY: Dilute SiS AM 500 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 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 SiS AM 500 every three months or when odor, staining and discoloration due to bacteria, mold stains and mildew stains return.
	Pest controlled	Dilution Rate	Method of Application
Tents, tarpaulins, sails, ropes. ACCEPTED with COMMENTS in EPA Letter Dated: JCT 2 2 2003 Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 75174-2	Odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae	8 oz./ gallon 2 oz./ quart 1 oz./pint	SPRAY: Dilute SiS AM 500 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 SiS AM 500 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return. DIP/SOAK: Dilute SiS AM 500 in water and mix well. Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough SiS AM 500 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

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PAGE 9 - MASTER LABEL FOR SiS AM 500

<p style="text-align: center;">ACCEPTED with COMMENTS in EPA Letter Dated:</p> <p style="text-align: center;">OCT 22 2003</p> <p>Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 75174-2</p>			<p>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 SiS AM 500 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.</p>
<p>Roofing materials (such as shingles, roofing granules, wood shakes, felt, stone, synthetic overcoats) Exterior walls (such as stone, concrete, brick)</p>	<p>Pest controlled</p> <p>Odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae</p>	<p>Dilution Rate</p> <p>8 oz./ gallon 2 oz./ quart 1 oz./pint</p>	<p>Method of Application</p> <p>SPRAY: Dilute SiS AM 500 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 SiS AM 500, let stand until dry. SiS AM 500 treats approximately 200 square feet of roofing or wall per diluted gallon of water. If necessary, reapply SiS AM 500 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.</p>
<p>Buffer pads (polishing and abrasive), Polyurethane for household sponges and mops, vacuum cleaner bags, umbrellas, casual shoes, athletic shoes</p>	<p>Pest controlled</p> <p>Odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)</p>	<p>Dilution Rate</p> <p>8 oz./ gallon 2 oz./ quart 1 oz./pint</p>	<p>Method of Application</p> <p>SPRAY: Dilute SiS AM 500 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, reapply SiS AM 500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.</p>
<p>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</p>	<p>Pest controlled</p> <p>Odor causing bacteria, bacteria which cause staining and</p>	<p>Dilution Rate</p> <p>8 oz./ gallon 2 oz./ quart 1 oz./pint</p>	<p>Method of Application</p> <p>SPRAY: Dilute SiS AM 500 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</p>

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(exterior), fiberglass, formica, glazed tiles, glazed porcelain, synthetic marble, plastic, vinyl	discoloration, and fungi (mold and mildew)	sponge. If necessary, reapply SiS AM 500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
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MOLD, MILDEW, ODOR PROTECTOR AND INHIBITOR SiS AM 500 is an antimicrobial agent effective against odor causing bacteria.

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

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

SiS AM 500 is an antimicrobial agent effective against algae.

SiS AM 500, 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.

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

SiS AM 500, 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.

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.

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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.

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.

[For homeowner use the statement will read: "Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site."]

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 homeowner use statement will read: "Container Disposal: Securely wrap original container in several layers of newspaper and discard in trash."]

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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