



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

May 19, 2021

Brian Hogan
KRK Consulting LLC
5807 Churchill Way
Medina, OH 44256

Subject: Notification per PRN 98-10 – Added Notes to Label
Product Name: SiS 200D
EPA Registration Number: 75174-9
Received Date: May 12, 2021
Action Case Number/Decision Number: 00300609

Dear Brian Hogan,

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Assurance.

If you have any questions, you may contact Carlos Corona via email at Corona.Carlos@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Aline Heffernan".

Aline Heffernan
Acting Product Manager Team 31
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs

Notes to Reviewer:

[Items in brackets [AAA] are optional and may/may not be included on final label]

{Items in braces {AAA} are for information purposes and will not appear on final label}

FIRST AID is required on front panel of final product label.

NOTIFICATION

75174-9

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

05/19/2021

SiS 200D

One-Step Disinfectant.

Cleaner – Fungicide - Virucide* - Deodorizer
For Homes, Restaurants, Hospitals, Institutional and Industrial Use

- Bactericidal • Virucidal*

Active Ingredients:

Octyl decyl dimethyl ammonium chloride.....	0.60%
Diocetyl dimethyl ammonium chloride	0.24%
Didecyl dimethyl ammonium chloride	0.36%
Alkyl (C ₁₄ , 50%; C ₁₂ , 40%; C ₁₆ , 10%) dimethyl benzyl ammonium chloride	0.80%
3-(trimethoxysilyl)propyldimethyloctadecyl ammonium chloride**	5.25%
[Other] [Inert] Ingredients:.....	<u>92.75%</u>
Total	100.00%

** Active Ingredient is hydrolyzed to produce methanol. The final concentration of the active ingredient and methanol are:

3-(trihydroxysilyl) propyldimethyloctadecyl ammonium chloride	4.805%
Methanol	approx. 1%

KEEP OUT OF REACH OF CHILDREN

DANGER [PELIGRO]

See [left] [side] [right] [back] panel for Precautionary Statements and First Aid

EPA Reg. No. 75174-
EPA Est. No. (as indicated on container)

Net Contents: 4, 8, 16, 32 oz, 1, 5, 55, 275 gallons

Manufactured by:
SiShield Technologies Inc.
17 Executive Park Drive, Suite 563
Atlanta, GA 30329

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. Wear protective eyewear (goggles, face shield or safety glasses), protective clothing and protective (rubber or chemical resistant) gloves. Harmful if swallowed and/or if absorbed through the skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

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.	

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

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 200D can be achieved by the addition of anionic surfactant (such as soap, sulfonates, sulfates) in quantity equivalent to that of SiS 200D.

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.

Optional Marketing Statements:

Cleans [Cleaner]

Concentrate [Concentrated]

Deodorizes [Deodorant]

Disinfects [Disinfectant]

This product contains no [phosphates] [or] [phosphorous compounds].

SiS 200D

- deodorizes by killing microorganisms that cause offensive odors.
- eliminates 99.9% of Staphylococcus aureus.
- is effective yet economical.
- is an economical concentrate [that can be diluted for use] [with trigger sprayers]
- is formulated for use in daily maintenance programs with a balance of detergents, and malodor counteractants that deliver effective cleaning, disinfecting and malodor control.
- [Kills] [Eliminates] [Removes] [Destroys] avian influenza A (H5N1) on hard, nonporous environmental surfaces
- [Kills] [Eliminates] [Removes] [Destroys] fungi.
- leaves a clean fresh scent.
- provides long lasting freshness against tough [pet] odors such as odors from litter boxes and pet accidents.
- will not leave grit or soap scum.
- SiS 200D is an antimicrobial agent effective against odor causing bacteria.
- SiS 200D is an antimicrobial agent effective against bacteria which cause staining and discoloration.
- SiS 200D is an antimicrobial agent effective against odor causing mold and mildew.
- SiS 200D is an antimicrobial agent effective against algae.
- SiS 200D, 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 200D, an antimicrobial agent, inhibits smelly odors caused by mold and mildew that can grow even in the cleanest of homes.
- SiS 200D, 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 for odor-causing mold and mildew.
- Use on carpet and upholstery to inhibit odor causing bacteria, bacteria which cause staining and discoloration and fungi.
- 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 odor causing mold and mildew.
- Use on carpet and upholstery to inhibit the growth of odor causing bacteria, bacteria which cause staining and discoloration, fungi, 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 odor causing 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, odor causing mold and mildew, and algae.
- Prevents deterioration caused by bacteria and fungi.
- 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 odor causing 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, odor causing mold and mildew, and algae.

SiS 200D as a Disinfectant

- delivers non-acid disinfectant and cleaning performance in an economical concentrate.
- is a [concentrated] [one-step] [Hospital Use] disinfectant cleaner that is effective against a broad spectrum of bacteria, is virucidal* including H5N1.
- [Kills] [Eliminates] [Removes] [Destroys] [Bacteria] [Viruses*] [Fungi] [on [pre-cleaned] hard, nonporous environmental surfaces]
- [is a heavy-duty disinfectant cleaner that] cleans, disinfects and deodorizes in one labor saving step.
- is a proven one-step disinfectant - cleaner - virucide* which is effective in the presence of 5% serum contamination.
- is a [versatile] cleaner and broad-spectrum disinfectant formulated for use only on non-critical instruments in Ultrasonic Baths [Ultrasonic cleaning units].
- is a [versatile] disinfectant hard, nonporous nonfood contact surfaces in Veterinarian, Animal care and Farm Premise applications.
- tested using the AOAC method for hospital disinfectants.
- will disinfect, clean and deodorize hard, nonporous surfaces in rest rooms and toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause malodors.
- as a disinfectant on hard, nonporous, non-food contact surfaces.
- for Farm Premise Disinfection of hard nonporous surfaces: floors, walls, feed racks, mangers, troughs, automatic feeders, fountains and waterers, forks, shovels, scrapers and other nonporous surfaces in barns, pens, stalls, chutes and other facilities and fixtures occupied or traversed by animals.
- for Poultry Premise Disinfection [Hatcheries]: Egg Receiving Area, Egg Holding Area; Setter Room, Tray Dumping Area, Trays, Buggies, Racks, Egg Flats, Chick Holding Room, Hatchery Room, Chick Processing Area, Chick Loading Area, Poultry Buildings, Ceilings, Sidewalls and Floors, Drinkers and other Poultry House related equipment, and all other hard, nonporous surfaces in the Hatchery environment.
- for disinfecting of ultrasound transducers, probes, mammography compressor plates and other hard nonporous surfaces.
- for Swine Premise Disinfection: Waterers and Feeders, Hauling Equipment, Dressing Plants, Loading Equipment, Farrowing Barns and areas, Nursery blocks, Creep area, Chutes.-
- in federally inspected Meat & Poultry Plants as a disinfectant on all hard, nonporous surfaces in inedible product processing areas, non-processing areas and / or exterior areas. This product was authorized by USDA as category D1 under the prior authorization program and its formula has not been changed.
- [on] [to clean and disinfect] hard, nonporous athletic mats, wrestling mats, gymnastic mats, exercise equipment and training tables.
- to clean and disinfect finished floors. Cleans and disinfects without dulling gloss.

- to clean and disinfect finished floors, sinks and tubs.
- to clean and disinfect hard, nonporous fire fighting bunker / turnout gear; trousers; overcoats, gloves, boots, hoods, helmets, air masks.
- to clean and disinfect hard, nonporous salon / barber tools and instruments: combs, brushes, scissors, blades and manicure instruments.
- [on] [to clean and disinfect] hard, nonporous personal protective safety equipment: protective headgear, hard hats, half-mask respirators, full face breathing apparatus, gas masks, goggles, spectacles, face shields, hearing protectors and ear muffs. Rinse all equipment that comes in prolonged contact with skin before reuse with clean warm water [about 120°F], and allow to air dry. [Precaution: Cleaning at 120°F temperature will avoid overheating and distortion of the personal safety equipment which would necessitate replacement].

Use SiS 200D

- for non-scratch cleaning of showers and tubs, shower doors and curtains, fixtures and toilet bowls.
- on nonfood contact surfaces in kitchens, bathrooms and other household areas.
- in work areas such as tool rooms and garages for odor control and light duty cleaning.
- on mildew stains in damp areas such as bathrooms, showers, on nonfood contact surfaces in kitchens, basements and laundry rooms.
- to remove odors caused by flooding and smoke from fires.
- with a trigger sprayer.

[AREAS OF USE:]

Use SiS 200D on hard, non-porous surfaces in:

{Note to reviewer: Each entry below also represents a graphic depicting the corresponding area of use. The graphics will only represent individual objects or outsides or insides of buildings as described below. No people, animal or food will be depicted in graphics.}

Bathrooms	Public rest rooms,
Homes [Households] nonfood contact surfaces in Kitchens	Schools
Restaurants (nonfood contact surfaces)	Shower and bath areas
Clinics	Salons [Beauty] [Tanning]
Dental offices	Universities
Health Care Facilities	Camp grounds
Hospitals	Play ground equipment
Medical Offices	Animal laboratories
Medical Related facilities	Dairy farms
Nursing homes	Farms
Sick Rooms	Hog farms
Day care centers	Kennels
Nurseries	Mushroom Farms
Convenience stores	Poultry farms
Athletic facilities	Pet animal quarters
Barber shops	Pet shops
Business and office buildings	Turkey farms
Colleges	Zoos
Correctional facilities	Airplanes
Dressing rooms	Airports
Exercise facilities	Ambulances
Factories	Boats
Hotels	Buses
Institutional facilities	Campers
Institutions	Cars
Locker rooms	Emergency [Police] [EMS] [Fire] [Rescue] vehicles
Motels	Mobile homes
Prisons	Ships
Public facilities	Taxis
	Trailers
	Trains
	Transportation terminals

Cross-contamination is of major housekeeping concern. **SiS 200D** has been formulated to aid in the reduction of cross-contamination on treated hard nonporous surfaces not only in hospitals, but in schools, institutions and industry.

SiS 200D is a phosphate free, detergent effective-on visibly cleaned hard nonporous surfaces found at mushroom farms. **SiS 200D** has been designed for use between mushroom crops. Areas of intended use include breezeways and track alleys before spawning, inside and outside walls of mushroom houses, lofts, floors, storage sheds and casing rings. Use of **SiS 200D** must be limited to areas where compost and mushrooms are not present.

Other suggested Uses: Homes, Veterinary Clinics, Kennels, Trash Compactors, Offices, Beauty Salons, Locker Rooms, Health Spas, Conference rooms, Elevators, Smoking Areas, Lounges, Day Care Centers, Dry Cleaners, Theaters, Farms, Auditoriums and Churches.

[TYPES OF SURFACES:]

Use **SiS 200D** on washable hard, nonporous surfaces of:

{Note to reviewer: Each entry below also represents a graphic depicting the corresponding type of surface. No people, animal or food will be depicted in graphics. Only exteriors of microwaves and refrigerators will be depicted. Toy graphics will be submitted to Agency for review.}

- Appliances, exteriors
- Bathroom fixtures
- Bathtubs [fiberglass]
- Cabinets
- Cages
- Chairs
- Coils and drain pans of air conditioning and refrigeration equipment and heat pumps
- Conductive flooring
- Counters [Countertops]
- Countertop laminates
- Desks
- Doorknobs
- Floors
- Garbage cans
- Highchairs
- Kennel runs
- Microwave ovens, exteriors of
- Outdoor [patio] furniture except cushions and wood frames
- Refrigerators, exteriors of
- Refrigerated storage and display equipment
- Showers
- Shower stalls [Fiberglass]
- Sinks [bathroom] [kitchen] [Fiberglass]
- Stoves [stovetops]
- Tables [Non-wooden picnic tables]
- Tanning beds
- Telephones
- Toilets
- Toilet bowls
- Toilet bowl surfaces
- Tubs [Fiberglass]
- Tiles, glazed
- Ultrasonic baths
- Urinals
- Walls
- Whirlpool bathtubs
- Non-critical medical device surfaces:
 - Beds [Medical] [Hospital]
 - Bed frames.
 - Bed rails
 - Crutches
 - Defibrillators
 - Gurneys
- Non-critical [hospital] [medical] equipment surfaces:
 - [Medical] Examining tables
 - [Medical] [Hospital] Lamps
 - Rescue tools
 - Resuscitators
 - [Medical] [Hospital] Scales
 - Stands
 - Stretchers
 - Stethoscopes
 - Walkers
 - Wheel chairs
- Other hard nonporous surfaces made of:
 - Glazed ceramic
 - Glazed enameled surfaces
 - Glazed porcelain
 - Laminated surfaces
 - Metal
 - Plastic [such as polystyrene or polypropylene]
 - Sealed stone
 - Stainless steel
 - Upholstery, vinyl and plastic
 - Woodwork, finished

Dilution:

Disinfection [1:64]..... 2 oz. per gallon of distilled water
..... [1063 ppm active]
Disinfection [1:32].....4 oz. per gallon of distilled water
..... [2126 ppm active]

DIRECTIONS FOR USE

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

DISINFECTION APPLICATIONS

Preparation of Use-Solution:

[Add] [Mix] [2 oz. per gallon of distilled water] or [4 oz. per gallon of water].
For heavy duty use, [add] [mix] 2 oz. per gallon of water [1:64] to kill *Staphylococcus aureus* (ATCC 6538),
Salmonella enterica (ATCC 10708) and *Pseudomonas aeruginosa* (ATCC 15442) or [add] [mix] 4 oz. per gallon of
water [1:32] to kill Methicillin Resistant *Staphylococcus aureus* – MRSA (ATCC 33592) and Avian Influenza A
(H5N1) virus and *Trichophyton mentagrophytes* (ATCC 9533)

DISINFECTION / VIRUCIDAL* CONTROL DIRECTIONS:

Apply use-solution to hard, nonporous non-food contact surfaces, thoroughly wetting surfaces with a sprayer. Treated surfaces must remain visibly wet for 10 minutes.

For sprayer applications, use a coarse spray device. Spray 6-8 inches from the surface; rub with a brush, sponge or cloth. Do not breathe spray.

Prepare a fresh solution daily or more often if the use solution becomes visibly diluted or soiled.

{Note for reviewer: For labels that list medical premises and metal and / or stainless steel surfaces, one of the following statements must be used:}

This product is not to be used as a terminal sterilant / high level disinfectant on any surface or instrument that [1] is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or [2] contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. [This product may be used to preclean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.]

{or}

This product is not for use on medical device surfaces.

NON-ACID TOILET BOWL [AND URINAL] DISINFECTANT

Remove gross filth prior to disinfection.

From Concentrate:

Add 2 oz. for *Staphylococcus aureus*, *Salmonella enterica* and *Pseudomonas aeruginosa*, and 4 oz. for Methicillin Resistant *Staphylococcus aureus* – MRSA and Avian Influenza A (H5N1) virus.
to the bowl and mix. Brush over exposed surfaces and under the rim, allow to stand for 10 minutes and flush.

SALON / BARBER INSTRUMENTS AND TOOLS DISINFECTION [i] / VIRUCIDE / FUNGICIDE

DIRECTIONS: Mix 2oz. of **SiS 200D** per gallon of distilled water for *Staphylococcus aureus*, *Salmonella enterica* and *Pseudomonas aeruginosa*, and 4 oz. of **SiS 200D** per gallon of distilled water for Methicillin Resistant *Staphylococcus aureus* – MRSA and Avian Influenza A (H5N1) virus and *Trichophyton mentagrophytes* to disinfect hard nonporous instruments and tools. Completely immerse combs, brushes, rollers, manicure and other salon instruments and tools for 10 minutes. For heavily soiled instruments and tools, a preliminary cleaning is required. Rinse thoroughly and dry before use. Fresh solution must be prepared daily or more often if solution becomes diluted or soiled.

Note: Plastics may remain immersed until ready to use. Stainless steel shears and instruments must be removed after 10 minutes, rinsed, dried and kept in a clean, non-

contaminated receptacle. Prolonged soaking may cause damage to metal instruments.

ULTRASONIC BATH DISINFECTANT [/VIRUCIDAL*] DIRECTIONS: Use **SiS 200D** to disinfect hard nonporous, non-critical objects compatible with Ultrasonic cleaning units. Pour fresh use-solution of [2oz. per gallon of distilled water for *Staphylococcus aureus*, *Salmonella enterica* and *Pseudomonas aeruginosa*, and 4 oz. per gallon of distilled water for Methicillin Resistant *Staphylococcus aureus* – MRSA and Avian Influenza A (H5N1) virus and *Trichophyton mentagrophytes* directly into bath chamber. Place objects into unit and operate for a minimum of 10 minutes, according to the manufacturer's directions. Remove objects and wash with sterile water [sterile water for injection] or allow to air dry. Prepare fresh solution for each use.

DISINFECTION OF [WHIRLPOOL [BATH[S]] [UNITS]:

After using the [whirlpool [unit] [bath]], drain and refill with fresh water to [just cover the intake valve] [cover the highest jet] [2 inches above the highest jet]. Add 2 oz. of **SiS 200D** for each gallon of fresh water added for *Staphylococcus aureus*, *Salmonella enterica* and *Pseudomonas aeruginosa*, and 4 oz. of **SiS 200D** per gallon of distilled water for Methicillin Resistant *Staphylococcus aureus* – MRSA and Avian Influenza A (H5N1) virus and *Trichophyton mentagrophytes*. Start the pump to circulate the solution. Wash down the sides, [[deck,] [seat of chair lift,] [any related equipment,]] and any uncovered surfaces on the [bath] [unit] with a clean swab, brush or sponge. Treated surfaces must remain wet for 10 minutes. After the [unit] [bath] has been thoroughly disinfected, drain the solution from the [unit] [bath] and rinse the disinfected surfaces with fresh water. Wipe dry with a clean sponge or cloth or allow to air dry. Repeat for heavily soiled units.

WHIRLPOOL FOOT SPAS DISINFECTION: After using the whirlpool foot spa, drain the water. Add 2 oz. of product per gallon of distilled water for *Staphylococcus aureus*, *Salmonella enterica* and *Pseudomonas aeruginosa*, and 4 oz. of **SiS 200D** per gallon of distilled water for Methicillin Resistant *Staphylococcus aureus* – MRSA and Avian Influenza A (H5N1) virus and *Trichophyton mentagrophytes* to cover the intake valve or 2 inches above the highest jet. Start the pump to circulate the solution. Swab exposed surfaces including unit sides, chair and any related equipment thoroughly with a cloth, sponge or brush and allow treated surfaces and solution to stand for 10 minutes. After the unit has been thoroughly disinfected, rinse all disinfected surfaces with fresh water.

FOOD HANDLING AREAS: Before using product, remove all food products and packaging before disinfection. This product may not be used on surfaces which may come in contact with food. This product must not result in direct or indirect contamination of food products.

SPECIAL INSTRUCTIONS FOR INACTIVATING AVIAN INFLUENZA"

[VETERINARY [PRACTICE]] [FACILITIES] / [ANIMAL CARE] [FACILITIES] / [ANIMAL LABORATORY] [FACILITIES] / [ZOOS] / [PET SHOPS] / [KENNELS] DISINFECTION [VIRUCIDAL*] DIRECTIONS:

For cleaning and disinfecting hard nonporous surfaces: equipment used for feeding or watering animals, utensils, instruments, cages, kennels, stables, catteries, pens, stalls and etc. Remove all animals and feeds from premises, animal transportation vehicles, crates, pens, stalls and etc. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Empty all feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of 2oz. of **SiS 200D** per gallon of distilled water for *Staphylococcus aureus*, *Salmonella enterica* and *Pseudomonas aeruginosa*, and 4 oz. of **SiS 200D** per gallon of distilled water for Methicillin Resistant *Staphylococcus aureus* – MRSA and Avian Influenza A (H5N1) virus and *Trichophyton mentagrophytes* for a period of 10 minutes. Wipe or allow to air dry. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals as well as forks, shovels, and scrapers used to remove litter and manure. Thoroughly scrub all treated surfaces, then rinse all surfaces that come in contact with food, including equipment used for feeding or watering, with potable water before reuse. Ventilate buildings, animal enclosures, [vehicles] and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

FARM PREMISE USE: Remove all animals and feed from premises, vehicles and enclosures. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate all surfaces with a use-solution of 2oz. of **SiS 200D** per gallon of distilled water for *Staphylococcus aureus*, *Salmonella enterica* and *Pseudomonas aeruginosa*, and 4 oz. of **SiS 200D** per gallon of distilled water for Methicillin Resistant *Staphylococcus aureus* – MRSA and Avian Influenza A (H5N1) virus and *Trichophyton mentagrophytes* for a period of 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels and scrapers used for removing litter and manure. Ventilate buildings, cars, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse.

POULTRY AND SWINE PREMISE DISINFECTION / [VIRUCIDAL] DIRECTIONS: Remove all animals and feeds from premises, vehicles and enclosures such as coops and crates. Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Use 2oz. of **SiS 200D** per gallon of distilled water for *Staphylococcus aureus*, *Salmonella enterica* and *Pseudomonas aeruginosa*, and 4 oz. of **SiS 200D** per gallon of distilled water for Methicillin Resistant *Staphylococcus aureus* – MRSA and Avian Influenza A (H5N1) virus and *Trichophyton mentagrophytes*. Saturate surfaces with the disinfecting solution for 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure. Ventilate buildings, coops and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse.

Hatcheries: Use 2oz. of **SiS 200D** per gallon of distilled water for *Staphylococcus aureus*, *Salmonella enterica* and *Pseudomonas aeruginosa*, and 4 oz. of **SiS 200D** per gallon of distilled water for Methicillin Resistant *Staphylococcus aureus* – MRSA and Avian Influenza A (H5N1) virus and *Trichophyton mentagrophytes* to treat hatchers, setters, trays, racks, carts, sexing tables, delivery trucks and other hard nonporous surfaces. Leave all treated surfaces wet for 10 minutes or more. Wipe dry with a clean cloth or sponge or allow to air dry.

Vehicles: Treat all vehicles including mats, crates, cabs and wheels with water and **SiS 200D**. 2oz. of **SiS 200D** per gallon of distilled water for *Staphylococcus aureus*, *Salmonella enterica* and *Pseudomonas aeruginosa*, and 4 oz. of **SiS 200D** per gallon of distilled water for Methicillin Resistant *Staphylococcus aureus* – MRSA and Avian Influenza A (H5N1) virus to treat all vehicles. Leave all treated surfaces wet for 10 minutes or more. Wipe dry with

a clean cloth or sponge or allow to air dry.

Dressing Plant Disinfectant Directions: Disinfect equipment, utensils, walls and floors in poultry and animal dressing plants. Disinfect offal rooms, exterior walls and loading platforms of dressing plants. Cover or remove all food and packaging materials. Remove all heavy soils prior to application. Saturate all surfaces with a 2oz. of **SiS 200D** per gallon of distilled water for *Staphylococcus aureus*, *Salmonella enterica* and *Pseudomonas aeruginosa*, and 4 oz. of **SiS 200D** per gallon of distilled water for Methicillin Resistant *Staphylococcus aureus* – MRSA and Avian Influenza A (H5N1) virus and *Trichophyton mentagrophytes*. Scrub to loosen all soils. Surfaces must remain wet for 10 minutes, then thoroughly rinsed with potable water before operations are resumed.

MUSHROOM FARM PREMISE USE:

Site Preparation: The first step is the removal of gross contamination and debris. This must be accomplished by using a shovel, broom, or vacuum, depending on the area to be disinfected.

Cleaning and Disinfection: For general cleaning and disinfection, use 2oz. of **SiS 200D** per gallon of distilled water for *Staphylococcus aureus*, *Salmonella enterica* and *Pseudomonas aeruginosa*. Apply use solution with sprayer thoroughly wet the surfaces. Treated surfaces must be allowed to remain wet for 10 minutes. Wipe or allow to air dry. For heavily soiled areas, preclean first. Prepare a fresh solution for each use or more often if solution becomes visibly diluted, clouded or soiled.

For Heavy Duty Cleaning: When greater cleaning is desired, use 4 oz. of **SiS 200D** per gallon of distilled water for Methicillin Resistant *Staphylococcus aureus* – MRSA and Avian Influenza A (H5N1) virus and *Trichophyton mentagrophytes*. Heavily soiled areas may require repeated cleaning before treatment.

DO NOT APPLY USE-SOLUTION TO THE MUSHROOM CROP, COMPOST OR CASING. Rinse treated surfaces with potable water before they contact the crop, compost or casing.

Microorganism	ATCC Number
Staphylococcus aureus	6538
Pseudomonas aeruginosa	15442
Salmonella enterica	10708
Methicillin Resistant Staphylococcus aureus (MRSA)	33592
Avian Influenza A (H5N1)*	
Trichophyton mentagrophytes	9533

GENERAL CLEANING AND DEODORIZING DIRECTIONS

TO CLEAN AND DEODORIZE: Mix 1/2 - 2oz. of **SiS 200D** per gallon of water to clean and deodorize surfaces. Apply using a cloth, mop, sponge or sprayer. Wipe or allow to air dry.

Cleaning Solution: Dilute [1/2 -1 oz.] or [1/2 - 2 oz.] per gallon of water for cleaning of kitchen counters, tables, walls, bathrooms, toilet seats, mopping floors and large routine applications.

Deodorizing directions:

Nursing Homes, Hospitals, Hotels, Schools, Restaurants: Using [1/2 -1 oz.] or [1/2 -2 oz.] in chemical toilets, waste receptacles, bed pans, drainage bottles, diaper pails, hampers, disposals, commodes and air, conditioner pans will eliminate odors.

Mopping Solutions, Automatic Scrubbers: Use [1/2 -1 oz. per gallon] or [14 - 2 oz.] per gallon of cleaning solution eliminates undesirable odors.

Laundry: [1/2 -1 oz.] or [1/2 - 2 oz.] per load added during the final rinse cycle deodorizes all offensive odors.

Air Freshener/Automotive Uses: 2 oz. per gallon of water or desired concentration will effectively neutralize damp musty odors caused by mildew in storage areas, basements, closets and bathrooms. Effective on smoking and cooking odors [garlic, fish, onions, etc.]. Automobile odors from tobacco, musty carpet smell and beverage smells will be eliminated.

Carpets: [1/2 -1 oz.] or [1/2 - 2 oz.] per gallon of shampoo solution eliminates odors associated with urine, vomit, smoke, and mildew. Reapply after cleaning for freshening effects. Allow to dry.

RV Holding Tanks: Toilet waste: cover bottom of holding tank with water and add [1/2 -1 oz.] or [1/2 - 2 oz.] If odors return before time to empty, simply add [1/2 -1 oz.] or [14/2 - 2 oz.] to the tank. Kitchen waste: [1/2 -1 oz.] or [1/2 - 2 oz.] of **SiS 200D** to gray water tank as needed to control malodors created by dirty dish water.

Pet Odors: Use 2 - 3 oz. per gallon of water or desired concentration, for urine, feces, and vomit, on sofas, upholstered chairs, carpet and upholstery. Clean prior to application then spray onto affected areas. Test hidden area for colorfastness. Allow 10 minutes contact time. Then blot with clean cloth. Allow to dry. Also effective on pet bedding and litter boxes.

Sewage Backup, Water Damage: Use 1- 2 oz. per gallon of water or desired concentration. Spray over affected areas before and after cleaning and extraction. Allow ten minutes contact time. Use proper ventilation; open windows.

NON-ACID TOILET BOWL [AND URINAL] CLEANER DIRECTIONS:

Remove gross filth prior to cleaning.

From Concentrate:

Add 2 oz. to the bowl and mix. Brush over exposed surfaces and under the rim, allow to stand for 10 minutes and flush.

From Use Solution: Empty toilet bowl [or urinal] and apply 1.25 oz.per gallon distilled water solution to exposed surfaces and under the rim with a cloth, mop, sponge or mechanical spray. Brush or swab thoroughly; allow to stand for 10 minutes and flush.

For Heavy Duty Use: Empty toilet bowl [or urinal] and apply 2 oz.per gallon distilled water to exposed surfaces including under the rim with a cloth, mop, sponge or sprayer, brush or swab thoroughly, allow to stand for 10 minutes and flush.

WATER DAMAGE RESTORATION AGAINST ODOR-CAUSING BACTERIA AND FUNGI FOR HOME, INSTITUTIONAL, INDUSTRIAL AND HOSPITAL USE: {Not for use in California}

This product is particularly suitable for use in water damage restoration situations against odor causing bacteria on the following porous and semi-porous materials: carpets, carpet cushions, subfloors, drywall, concrete, brick, trim and frame lumber, tackless stripping and paneling. Using appropriate dilution, saturate the affected materials with enough product to remain wet for at least 10 minutes.

Sewer Backup and River Flooding: During mitigation procedures, dilute [1/2 - 2 oz.] of the concentrate per gallon of water, allowing for the diluting effect of absorbed water within saturated materials. Remove gross filth or heavy soil along with non-salvageable materials. Saturate all affected areas with a coarse spray device before and after craning and extraction.

Carpets, Carpet Cushions and Other Porous Materials such as Subfloors, Drywall, Concrete, Brick, Trim and Frame Lumber, Tackless Strip and Paneling: For water damage from a clean source, extract excess water. Test hidden area for colorfastness. Dilute [1/2 - 2 oz.] of the concentrate per gallon of water, allowing for the diluting effect of absorbed water within saturated materials. Remove gross filth or heavy soil. Saturate all affected areas with a coarse spray device. Roll, brush or agitate into the materials and allow materials to remain wet for 10 minutes. Follow with a thorough extraction. Dry rapidly and thoroughly.

Special instructions For Cleaning Carpet Against Odor Causing Bacteria: Use this product in industrial and institutional areas such as homes, motels, hotels, nursing homes, schools, and hospitals. Use on wet-cleanable synthetic fibers. Do not use on wool. Vacuum carpet thoroughly prior to cleaning. Test fabric for colorfastness. **For portable extraction units:** Mix 1/2 oz. of concentrate per gallon of water. **For truck mounted extraction machines:** Mix 1/2 - 2oz. of concentrate per gallon of water and meter at 4 gallons per hour. **For rotary floor machines:** Mix 1/2oz. of concentrate per gallon of water and apply at the rate of 300 - 500 sq. ft. per gallon. Do not mix this product with other cleaning products. Follow the cleaning procedures specified by the manufacturer of the cleaning equipment. After using the product, set the carpet pile and protect the carpet from furniture legs and bases while drying. Do not over-wet. If applied to stain resistant nylon carpet, apply a fabric protector according to the manufacturer's directions.

{Note to reviewer: For Nonrefillable Containers, Label has Household and Residential Uses}

STORAGE AND DISPOSAL Store in original container in areas inaccessible to children. Nonrefillable container. Do not reuse or refill this container. Wrap [container] and put in trash or offer for recycling if available.

{or}

Store in original container in areas inaccessible to children. Nonrefillable container. Do not reuse or refill this container. Wrap [container] and put in trash or offer for reconditioning if appropriate.

{Note to reviewer: For Nonrefillable Containers for commercial, industrial, and institutional uses - all sizes - No Reuse Rinsate Statement for Public Health Use products. Chapter 13, Table 6 of the Label Review Manual states that for "All products in containers that could be burned," the registrant has the option to "Remain silent on burning;" therefore, no incineration language is provided for plastic containers.}

STORAGE AND DISPOSAL Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Open dumping is prohibited. Store in original container in areas inaccessible to children.

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

Container Disposal:

{Plastic and Metal Containers:} Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Fill container 1/4 full with water and reclose the container. Agitate vigorously, and dispose of rinsate consistent with pesticide disposal instructions. Repeat two more times. Then offer for recycling if available or puncture and dispose in sanitary landfill or by other procedures approved by state and local authorities. Follow pesticide disposal instructions for rinsate. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.

{Metal Containers only:} DO NOT cut or weld metal containers.

{Bag in Box Containers:} Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Completely empty bag into application equipment. Then offer for recycling if available or dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

{Note to reviewer: For Nonrefillable Sealed Containers: Several packaging options are designed for use dilution systems with sealed containers or bottles to reduce worker exposure to the concentrate. None of these can be triple rinsed because they are closed sealed containers. The following text will be used on these sealed container types:}

STORAGE AND DISPOSAL

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

For Household/residential use packages:

Storage and Disposal: Store in original, tightly closed container in an area inaccessible to children or persons unfamiliar with its use. Keep tightly closed until ready to use. Reclose tightly after each use. Store in original, unopened containers at or below 25 C (77F) and above 0°C (32°F). Non-refillable container. Do not reuse or refill this container. Wrap container and put in trash or offer for recycling if available.

For industrial and commercial use packages:

Small Packages (1 gallon or less):

Storage and Disposal: Store in original, tightly closed container in an area inaccessible to children or persons unfamiliar with its use and away from food or feed. Keep tightly closed until ready to use. Reclose tightly after each use. Store in original, unopened containers at or below 25 C (77F). This product has a minimum shelf life of 12 months after date of shipment.

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

Container Handling: Non-refillable container. Do not reuse or refill this container. Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Pails, Drums and IBCs:

Storage and Disposal: Store in original, tightly closed container in an area inaccessible to children or persons unfamiliar with its use and away from food or feed. Keep tightly closed until ready to use. Reclose tightly after each use. Store in original, unopened containers at or below 25 C (77F). This product has a minimum shelf life of 12 months after date of shipment.

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

Container Handling: REFILLABLE CONTAINER. Refill this container with SiS 200D only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

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.

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.

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