



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

February 21, 2023

Brian Hogan  
KRK Consulting, LLC  
Agent for SiShield Technologies, Inc.  
SISHIELD TECHNOLOGIES INC  
Electronic Transmittal: brianhogan330@gmail.com

Subject: PRIA Label Amendment – Adding Human Coronavirus, Claims and Secondary Container Label  
Product Name: SIS 200D  
EPA Registration Number: 75174-9  
Received Date: 8/11/2022  
Action Case Number: : 00385969

Dear Mr. Hogan:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. Pursuant to 40 CFR 156.10(a)(6), you must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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 FIFRA and is subject to review by the Agency. See FIFRA section 2(p)(2). 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, FIFRA section 12(a)(1)(B). 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.

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

If you have any questions, you may contact [FlintSilva.Tara@epa.gov](mailto:FlintSilva.Tara@epa.gov) or [Oiguenblik.Emilia@epa.gov](mailto:Oiguenblik.Emilia@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "Tara M. Flint Silva". The signature is written in a cursive, flowing style.

Tara Flint Silva, Acting Product Manager 31  
Regulatory Management Branch I  
Antimicrobials Division  
Office of Pesticide Programs

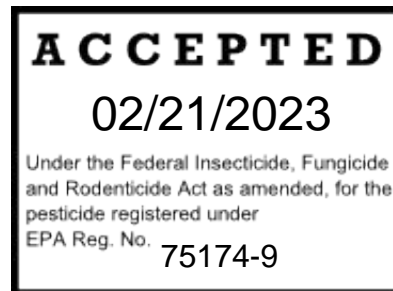
Enclosure: Stamped label

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}

# 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 <sub>14</sub> , 50%; C <sub>12</sub> , 40%; C <sub>16</sub> , 10%) dimethyl benzyl ammonium chloride .....	0.80%
3-(trimethoxysilyl)propyldimethyloctadecyl ammonium chloride** .....	5.25%
[Other] [Inert] Ingredients:.....	92.75%
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

EPA Reg. No. 75174-9  
EPA Est. No. (as indicated on container)

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

Manufactured by:  
SiShield Technologies Inc.  
2700 Northeast Expressway, Suite C100  
Atlanta, GA 30345

**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.

{Note to Reviewer: In accordance with 40 CFR 156.68(d), all first aid statements, as prescribed, will appear on the front panel of the product label.}

<b>FIRST AID</b>	
<b>IF IN EYES:</b>	
<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li><li>• Call poison control center or doctor for treatment advice.</li></ul>	
<b>IF INHALED:</b>	
<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>	
<b>IF ON SKIN:</b>	
<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>	
<b>IF SWALLOWED:</b>	
<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>	

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 99.9%] [Destroys] avian influenza A (H5N1) on hard, nonporous environmental surfaces
- [Kills] [Eliminates] [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 on non-food contact surfaces.
- 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 non-food contact 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.
- Use in every room of the house
- Bleach Free
- Eliminates odors at the source
- Tough on odors

#### **SiS 200D as a Disinfectant**

- delivers 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.
- is a [concentrated] [one-step] [Hospital Use] disinfectant cleaner that is effective against a broad spectrum of bacteria, is virucidal\*.
- is a [concentrated] [one-step] [Hospital Use] disinfectant cleaner that is effective against a broad spectrum of bacteria, is virucidal\* including H5N1.
- [Kills] [Eliminates 99.9%] [Destroys] [Bacteria] [Viruses\*] [Fungi] [on [pre-cleaned] hard, nonporous environmental surfaces]
- [is a 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: sealed 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 Sealed 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].
- Dual Action: Disinfectant and Cleaner
- Dual Action: Disinfectant and Deodorizer
- Dual Action: Disinfectant and Antimicrobial
- Multi-Purpose: [Antimicrobial] [Cleaner] [Deodorizer] and Disinfectant
- Germicide
- Germicidal
- Kills germs
- Kills 99.9% of germs
- Effective against germs
- Tough on germs
- Stop the spread of germs
- Kills germs on {any type of surface listed on label}
- Multi-surface [disinfectant] [and] [cleaner]
- Kill germs in {any area of use listed on label}

**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.}*



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

\*\*\*Allow surface to come to room temperature before treatment.

**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]
Disinfection [1:16].....	8 oz. per gallon of distilled water
.....	[4252 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 interdigitale* (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.

Spray 6-8 inches from the surface; rub with a brush, sponge or cloth.

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.

**TOILET BOWL [AND URINAL] DISINFECTANT**

For treatment above the waterline only. Remove visible soil 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. Surface must remain visibly wet for 10 minutes.

**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 interdigitale* to disinfect hard nonporous instruments and tools. Completely immerse combs, brushes, rollers, manicure and other salon instruments and tools for 10 minutes. For visibly 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 interdigitale* 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 interdigitale*. 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 visibly 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 visibly 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 interdigitale* 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. Surfaces must remain visibly wet 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.

**[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 interdigitale*. Surfaces must remain visibly wet for 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 interdigitale*. Surfaces must remain visibly wet 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, 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 interdigitale*. Surfaces must remain visibly wet 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 interdigitale* to treat hatchers, setters, trays, racks, carts, sexing tables, delivery trucks and other hard nonporous surfaces. All treated surfaces must remain visibly wet for 10 minutes. 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. All treated surfaces must remain visibly 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 sealed 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 visible 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 interdigitale*. Scrub to loosen all soils. Surfaces must remain visibly 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 visible soil 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 remain visibly wet for 10 minutes. Wipe or allow to air dry. For visibly 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 interdigitale*. Visibly 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
<b>Bacteria</b>	
Staphylococcus aureus	6538
Pseudomonas aeruginosa	15442
Salmonella enterica	10708
Methicillin Resistant Staphylococcus aureus (MRSA)	33592
<b>* Viruses</b>	
Avian Influenza A (H5N1)	Strain VNH5N1-PR8/CDC-RG
<b>Fungi</b>	
Trichophyton interdigitale	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.

**TOILET BOWL [AND URINAL] CLEANER DIRECTIONS:**

Remove visible soil 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 visibly 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 visible soil along with non-salvageable materials. Saturate all affected areas with a 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 visible soil. Saturate all affected areas with a spray device. Roll, brush or agitate into the materials and allow materials to remain visibly 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.



# STORAGE AND DISPOSAL

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

## For Household/Residential Use Packages:

**Storage and Disposal:** *Nonrefillable container.* Store in original, tightly closed container, at room temperature until ready to use, in an area inaccessible to children or persons unfamiliar with its use and away from food or feed. Do not reuse or refill this container. **If empty:** Clean container promptly after emptying. Place in trash or offer for recycling, if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never plans unused product down any indoor or outdoor drain.

## For Industrial and Commercial Use Packages:

**[Pesticide] Storage:** Store in original, tightly closed container, at room temperature until ready to use, in an area inaccessible to children or persons unfamiliar with its use and away from food or feed.

**[Pesticide] Disposal:** Pesticide wastes may be 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.

*{Use the following Container Handling Language for Small Packages (1 gallon or less)}*

**Container Handling:** *Non-refillable container.* Do not reuse or refill this container. 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.

*{Use one of the following Container Handling Language for Pails, Drums and IBCs (5 gallons to 275 gallons)}*

**Container Handling:** *Non-refillable container.* Do not reuse or refill this container. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill.

*{Use one of the following Container Handling Language for Non-Rigid Bag in Box Containers}*

**Container Handling:** *Non-refillable container.* Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or puncture and dispose of in a sanitary landfill.

*{Use the following Container Handling Language for Refillable Containers}*

**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 Metal Containers only:}* [DO NOT cut or weld metal containers.]

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 2700 NORTHEAST EXPRESSWAY, SUITE C100 ATLANTA, GA 30345.

**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

Secondary Container Label



Sis 200D

EPA Reg. No. 75174-9

Active Ingredients:

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

The solution in this container has been diluted in accordance with Directions for Use on the product label. Follow the Directions for Use on the product label when applying this product.

The use of a protective eyewear, clothing and gloves is not required when handling the diluted product