

63761-8

02/02/2010

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



United States
Environmental Protection
Agency

Office of Pesticide Programs

FEB = 2 2010

Sterilex Corporation
11409 Cronhill Drive
Suite L
Owings Mills, MD 21117

AGENT: Lewis and Harrison
122 C Street, N. W., Suite 740
Washington, D.C. 20001

Subject: Sterilex Ultra Disinfectant Cleaner Solution 1
EPA Registration No. 63761-8
Notification Dated December 6, 2009

This will acknowledge receipt of your notification, submitted under the provisions of FIFRA Section 3(c)(9).

Proposed Notification

- 1) Add EPA Establishment Number for additional registered pesticide-producing establishments
- 2) Add container sizes (1, 2.5, 5, 15, 30, 55, 275 and 305 gallons)
- 3) Add the phrase "Not for use in California" to the directions for certain sites which are not yet registered with the California Department of Pesticide Regulation
- 4) Update the "Storage and Disposal" language per PR Notice 2007-4

Page 2
EPA Registration No. 63781-8

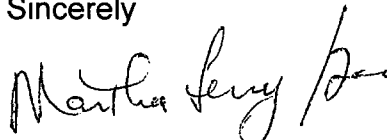
General Comments

Based on a review of the submitted material, the following comments apply:


The Notification dated January 6, 2010 is in compliance with PR Notice 98-10 and is acceptable.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely



Marshall Swindell
Product Manager (33)
Regulatory Management Branch 1
Antimicrobials Division (7510P)

 EPA	United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other NOTIFICATION	OPP Identifier Number
	Application for Pesticide - Section I		

1. Company/Product Number 63761-8	2. EPA Product Manager Marshall Swindell	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Sterilex Ultra Disinfection Cleaner Solution 1	PM# 33	
5. Name and Address of Applicant (Include ZIP Code) Sterilex Corporation 11409 Cronhill Drive Suite L Owings Mills, MD 21117 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(I), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below

Explanation: Use additional page(s) if necessary. (For Section I and Section II.)

APPLICATION FOR NOTIFICATION: MINOR LABEL CHANGES

Notification of Minor Label Changes in Accordance With PR Notices 1998-10 and 2007-4: See Cover Letter

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 95-2 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be the subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Signature: _____ Date: January 6, 2010

THIS SUBMISSION IS NOT SUBJECT TO PRIA FEES

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt No. per container	<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label -OR- <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 1, 2.5, 5, 15, 30, 55, 275 & 305 gallons		5. Location of Label Directions <input checked="" type="checkbox"/> On Label -AND/OR- <input checked="" type="checkbox"/> On labeling accompanying product	
6. Manner in Which Label is Affixed to Product				<input checked="" type="checkbox"/> Lithograph -OR- <input type="checkbox"/> Other _____	
				<input checked="" type="checkbox"/> Paper glued -OR- _____	
				<input checked="" type="checkbox"/> Stenciled	


Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)

Name Mark Wozniak (m.wozniak@sterilex.com)	Title Senior Scientist/R&D Manager	Telephone No. (Include Area Code) (410) 531-8860
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Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

2. Signature 	3. Title Agent for Sterilex Corporation	6. Date Application Received (Stamped)
4. Typed Name Wendy A. McCombie	5. Date January 6, 2010	

LEWIS & HARRISON

Consultants in Government Affairs

122 C Street, N.W., Suite 740
Washington, D.C. 20001

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wmccombie@lewisharrison.com

January 6, 2010

HAND DELIVERED

Document Processing Desk [NOTIFY]
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

ATTENTION: Marshall Swindell - Product Manager, Team 33

SUBJECT: *Sterilex Corporation*
Sterilex Ultra Disinfectant Cleaner Solution 1 (EPA Reg. No. 63761-8)
Notification of Minor Label Changes per PR Notices 1998-10 and 2007-4
This Submission is NOT Subject to PRIA fees

Dear Mr. Swindell:

On behalf Sterilex Corporation, I am submitting a Notification application to make minor changes to the product label for **Sterilex Ultra Disinfectant Cleaner Solution 1 (EPA Reg. No. 63761-8)**. The changes are as follows:

- 1) Add EPA Establishment Numbers for additional registered pesticide-producing establishments;
- 2) Add container sizes, so that the range is now 1, 2.5, 5, 15, 30, 55, 275 and 305 gallons;
- 3) Add the phrase "Not For Use In California" to the directions for certain sites which are not yet registered with the California Department of Pesticide Regulation; and,
- 4) Update the "Storage and Disposal" language in accordance with the requirements and provisions of PR Notice 2007-4.

No other changes have been made, so the label is otherwise identical to that stamped-accepted by EPA on August 7, 2009.

Please find enclosed the following documents in support of this label Notification:

- 1) Application for Pesticide Notification;
- 2) One (1) copy of the proposed product label, with changes highlighted and marked; and;
- 3) Three (3) copies of the proposed product label.

Thank you in advance for your assistance with this submission.

Sincerely,



Wendy A. McCombie
Agent for,
Sterilex Corporation

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cc: Mark Wozniak, Sterilex Corporation

Sterilex Ultra Disinfectant Cleaner Solution 1

For disinfectant and public health use sites, this is part one of a two-part product and must be used with Sterilex Ultra Activator Solution.

For biocide and non-public health use sites, the use of Sterilex Ultra Activator Solution may not be required.

Please consult the directions for use for specific instructions.

One-Step Disinfectant – Cleaner

Staphylocidal – Pseudomonacidal – Salmonellacidal – Listericidal – Virucidal – Fungistat/Mildewstat

Effective against mycotoxin-producing molds

Removes* Biofilm From Dental Unit Water Lines

*laboratory studies show >90% removal

- Kills/inactivates: E. coli
- Avian Influenza
- Zygosaccharomyces bailii
- Aspergillus niger

Active Ingredients:

- n-Alkyl (C12 68%, C14 32%) dimethylethylbenzyl ammonium chloride
- n-Alkyl (C14 60%, C16 30%, C12 5%, C18 5%) dimethylbenzyl ammonium chloride
- Hydrogen peroxide

Inert Ingredients:

TOTAL:

	3.00%
	3.00%
	6.30%
	87.70%
	100.00%

KEEP OUT OF REACH OF CHILDREN DANGER

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

FIRST AID

IF IN EYES: 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 eye.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

IF SWALLOWED: 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

Call a Poison Control Center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

- EPA Reg. No. 63761-8
- EPA Est. No. 4875-NJ-001
- EPA Est. No. 44636-CA-001
- EPA Est. No. 21737-MN-01

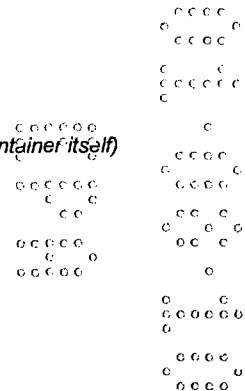
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- EPA Est. No. 62788-AL-01
- EPA Est. No. 60156-IL-001
- EPA Est. No. 56485-PA-001
- EPA Est. No. 085684-AL-001
- EPA Est. No. 12487-OH-1
- EPA Est. No. 65072-CO-001
- EPA Est. No. 65072-IL-001
- EPA Est. No. 65072-OH-005
- EPA Est. No. 65072-OH-006
- EPA Est. No. 65072-PA-002
- EPA Est. No. 65072-WA-001
- EPA Est. No. 1270-GA-1
- EPA Est. No. 1270-TX-1
- EPA Est. No. 40849-GA-1

Net Contents {1, 2.5, 5, 15, 30, 55, 275, 305} Gallons

[Lot Number: _____] [Batch Number: _____] (*NOTE TO REVIEWER – this may be printed on container itself)

Manufactured by
 Sterilex Corporation
 11409 Cronhill Drive Suite L
 Owings Mills, MD 21117
 phone 1-800-511-1659, fax 410-581-8864



PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes irreversible eye damage and skin burns. May be fatal if inhaled. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin or on clothing. Do not breathe vapor or spray mist. Wear goggles and/or face shield, protective clothing and rubber gloves when handling. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

PHYSICAL AND CHEMICAL HAZARDS

When exposed to fire, **Sterilex Ultra Disinfectant Cleaner Solution 1** may release oxygen and oxides of carbon and/or nitrogen.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep product in closed original container when not in use. Store in a cool area away from potential sources of heat, open flames, sunlight or other chemicals. Product should be stored below 90°F.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray or 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: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse or pressure rinse container promptly after emptying.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

For Containers Having a Capacity of 5 gallons or less:

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 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.

For Containers Having a Capacity Greater than 5 gallons:

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. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

DIRECTIONS FOR USE

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

For disinfectant and public health use sites, this is part one of a two-part product and must be used with Sterilex Ultra Activator Solution.

For biocide and non-public health use sites, the use of Sterilex Ultra Activator Solution may not be required.

Please consult the directions for use for specific instructions.

DISINFECTION

Sterilex Ultra Disinfectant Cleaner Solution 1, when mixed with Sterilex Ultra Activator Solution, is a one-step, hospital-use disinfectant at 12.8 fl. oz. (each, Solution 1 & Solution 2) per gallon of water (1:1:10), Bactericidal according to the current AOAC Use-Dilution Test Method modified in the presence of 400 ppm hard water plus 5% organic serum against:

- Pseudomonas aeruginosa (Pseudomonas) (ATCC# 15442)*
- Staphylococcus aureus (Staph) (ATCC# 6538)*
- Staphylococcus aureus – Methicillin Resistant (ATCC#33591) (MRSA)*
- Salmonella choleraesuis (Salmonella) (ATCC# 10708)*
- Escherichia coli O157:H7 (ATCC# 35150)*
- Listeria monocytogenes (ATCC# 19111)*

SPOILAGE ORGANISM

Sterilex Ultra Disinfectant Cleaner Solution 1, when mixed with Sterilex Ultra Activator Solution kills *Zygosaccharomyces bailii* on hard, inanimate surfaces in one step at 4 fl. oz. (each, Solution 1 & Solution 2) per gallon of water (1:1:32), according to the current AOAC Use-Dilution Test Method modified in the presence of 400 ppm hard water plus 5% organic serum. Apply as directed under disinfection.

VIRUS

Sterilex Ultra Disinfectant Cleaner Solution 1, when mixed with Sterilex Ultra Activator Solution is effective against Avian Influenza A (H3N2: Avian Reassortant) on hard, inanimate surfaces in one step at 2 fl. oz. (each, Solution 1 & Solution 2) per gallon of water (1:1:64), with a 5 minute contact time in the presence of 400 ppm hard water and organic soil. Apply as directed under disinfection.

FUNGISTAT/MILDEWSTAT

Sterilex Ultra Disinfectant Cleaner Solution 1, when mixed with Sterilex Ultra Activator Solution controls the growth of mold and mildew organisms (*Aspergillus niger*, ATCC#16404) and the odors they cause on hard, non-porous surfaces in one step at 12.8 fl. oz. (each, Solution 1 & Solution 2) per gallon of water (1:1:10) according to the current AOAC Use-Dilution Test Method modified in the presence of 400 ppm hard water plus 5% organic serum. Apply as directed under disinfection.

Sterilex Ultra Disinfectant Cleaner Solution 1, when mixed with Sterilex Ultra Activator Solution, is for use on washable hard, nonporous surfaces in: hospitals, medical and dental offices, nursing homes, health care facilities, ultrasonic baths (ultrasonic cleaning units), federally inspected food processing facilities, federally inspected meat and poultry plants, wineries, breweries, beverage manufacturing facilities, dairy farms, swine farms, poultry and turkey farms, farm premises, hatcheries, refrigerated trucks, kennels, pet animal quarters, zoos, pet shops, animal laboratories, veterinary facilities, animal care facilities, transportation terminals, hotels and motels, factories, business and office buildings, barber shops, salons, boats, ships, campers, trailers, mobile homes, homes, kitchens, bathrooms, household areas, cars, buses, trains, taxis, airplanes, restaurants, bars, cafeterias, institutional kitchens, food preparation and storage areas, convenience stores, food storage areas, public rest rooms, institutions, schools and colleges, athletic facilities, sports facilities, gym rooms, locker rooms, dressing rooms, shower and bath areas, exercise equipment, large, inflatable, non-porous plastic and rubber structures (animals, promotional items, moonwalk, slides, obstacle course play equipment, exercise equipment and wrestling mats.

Sterilex Ultra Disinfectant Cleaner Solution 1, when mixed with Sterilex Ultra Activator Solution, is for use on the following washable hard, nonporous surfaces:

Medical machines (x-ray, MRIs, CAT scanners), noncritical medical devices and equipment surfaces (that do not penetrate the body or contact the human bloodstream or mucous membranes);

Steam sterilizer water reservoirs, steam sterilizer water reservoir tubing;

Water reservoir tanks, water reservoir pipes, tanks, and piping systems used in food processing;

Floors, walls, countertops, stovetops, sinks, appliances, refrigerators (exteriors), plastic and other nonporous cutting boards and chopping blocks; coolers, ice chests; non residential refrigerator bins (exteriors) for meat, fruit, vegetable and egg; food processing equipment (k-pac equipment, injectors, slicers, knives, steel mesh gloves, deboners, saws, grinders, cutters, racks, dairy equipment, interlocking belts, outside surfaces of kitchen equipment, beer fermentation and holding tanks, brewery pasteurizers, wine fermentation tanks, beverage dispensing equipment, beverage transfer lines, bottling or premix dispensing equipment);

Drinking water coolers, ice making machines, transfer line tubing, water lines, watering systems, farm animal nipple drinkers;

Cabinets, highchairs, garbage cans, garbage storage areas, refrigerated storage and display equipment (exteriors), tables, picnic tables (non-wooden and finished/sealed or painted), outdoor furniture, chairs, desks, telephones, doorknobs, shower stalls, tubs and glazed tiles, whirlpool bathtubs, bathtubs, sinks, urinals, exterior toilet bowl surfaces, other bathroom fixtures;

Kennel runs, cages, waterers and feeders, automatic feeders, hauling equipment, dressing plants, loading equipment, farrowing barns and related areas (nursery blocks, creep areas), chutes, feed racks, mangers, troughs, fountains and waterers, forks, shovels, scrapers, barns, pens, stalls, facilities and fixtures occupied or traversed by animals, hatchery areas (egg receiving and holding, setter room, tray dumping, chick holding, processing and loading), trays, buggies, racks, egg flats, poultry buildings, ceilings, sidewalls and floors, drinkers and other poultry house related equipment;

Coils and drain pans of air conditioning and refrigeration equipment and heat pumps, conductive flooring;

Nonporous salon/barber tools and instruments (combs, brushes, scissors, blades, pedicure and manicure instruments, pedicure and manicure tubs);

Hard nonporous surfaces, listed on this label, that are made of metal, stainless steel, glazed porcelain, glazed ceramic, sealed stone, hard fiberglass (bathtubs, tubs, shower stalls, and sinks), plastic (such as polystyrene, polypropylene), glazed porcelain tiling, enameled surfaces, finished/sealed and painted woodwork, finished floors, Formica®, vinyl and plastic upholstery.

Sterilex Ultra Disinfectant Cleaner Solution 1, when mixed with Sterilex Ultra Activator Solution, removes biofilm from dental unit water lines (laboratory studies show >90% removal).

Cross-contamination is a significant housekeeping concern. **Sterilex Ultra Disinfectant Cleaner Solution 1**, when mixed with Sterilex Ultra Activator Solution, has been formulated to reduce cross-contamination in households, hospitals, schools, industrial settings and institutions.

Sterilex Ultra Disinfectant Cleaner Solution 1, when mixed with Sterilex Ultra Activator Solution, is recommended for use in federally inspected meat and poultry plants and as a disinfectant in dressing plants.

Sterilex Ultra Disinfectant Cleaner Solution 1, when mixed with Sterilex Ultra Activator Solution, provides optimal non-acid cleaning performance.

Both effective and economical, **Sterilex Ultra Disinfectant Cleaner Solution 1**, when mixed with Sterilex Ultra Activator Solution, is a heavy-duty product that disinfects, cleans and deodorizes all in one labor-saving step.

Formulated for effective poultry premise sanitation

Formulated for effective swine premise sanitation

Formulated for effective farm premise use

Heavy duty bathroom cleaner, mildewstat, and deodorizer

Quickly removes soap scum from shower tile, fiberglass, chrome and glass, toilet bowls, sinks, tubs and spas.

Sterilex Ultra Disinfectant Cleaner Solution 1, when mixed with Sterilex Ultra Activator Solution, kills household germs in ten minutes; effective against harmful *Pseudomonas aeruginosa* (*pseudomonas*), *Staphylococcus aureus* (*staph*) and *Streptococcus pyogenes* (*strep*), while effectively controlling mold and mildew.

Sterilex Ultra Disinfectant Cleaner Solution 1, when mixed with Sterilex Ultra Activator Solution, cleans, disinfects and deodorizes surfaces by killing odor-causing microorganisms and preventing [inhibiting] [controlling] the growth of mold and mildew.

Sterilex Ultra Disinfectant Cleaner Solution 1, when mixed with Sterilex Ultra Activator Solution, inhibits the growth of mold and mildew, leaving bathrooms and kitchens clean and fresh smelling.

Sterilex Ultra Disinfectant Cleaner Solution 1, when mixed with Sterilex Ultra Activator Solution, eliminates odors caused by bacteria, mildew, and non-fresh foods.

Sterilex Ultra Disinfectant Cleaner Solution 1, when mixed with Sterilex Ultra Activator Solution, controls mold and mildew on large, inflatable, non-porous plastic and rubber structures (animals, promotional items, moonwalk, slides, obstacle course play equipment, exercise equipment and wrestling mats).

Sterilex Ultra Disinfectant Cleaner Solution 1, when mixed with Sterilex Ultra Activator Solution, cleans, disinfects and deodorizes surfaces in locker rooms, gym rooms and sports facilities by killing odor-causing microorganisms and preventing [inhibiting] [controlling] the growth of mold and mildew.

Removes* biofilm from dental unit water lines

*laboratory studies show >90% removal

Prevents and suppresses formation of biofilm in dental unit water lines

Kills biofilm bacteria

Maintains dental unit water line effluent water <500 cfu/ml

GENERAL CLEANING AND DISINFECTION (IN HOUSEHOLDS, ATHLETIC FACILITIES, REST ROOMS, VEHICLES, SCHOOLS/COLLEGES, PLAY AREAS, HOTELS/MOTELS, INSTITUTIONS):

APPLICATION INSTRUCTIONS:

- 1) Remove gross filth [soil] from all areas, articles and surfaces to be disinfected using a pre-clean, pre-flush, or pre-scrape and, if necessary, presoak
- 2) Add 12.8 fl. oz. of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 12.8 fl. oz. of Sterilex Ultra Activator Solution to 1 gal. tap water in an appropriate plastic container and stir.
- 3) Thoroughly wet surfaces with use-solution by pouring, wiping, brushing, scrubbing, spraying with a coarse trigger sprayer, sponging, using a clean in place (CIP) system, pumping it through the system, drawing it through the system or mopping.
- 4) Allow surfaces to remain wet for at least 10 minutes
- 5) Rinse all surfaces thoroughly with a potable water rinse.

PRECLEANING INSTRUCTIONS (OPTIONAL STEP):

Although **Sterilex Ultra Disinfectant Cleaner Solution 1** provides one-step cleaning and disinfection, precleaning may be desired for some areas, articles and surfaces in certain cases.

- 1) Prepare a precleaning solution by adding 3 - 6 fl. oz. of **Sterilex Ultra Disinfectant Cleaner Solution 1** and an equivalent amount of Sterilex Ultra Activator Solution to 1 gal. hot tap water in an appropriate plastic container, depending on the level of gross filth [soil] to be precleaned.
- 2) Clean surfaces with precleaning solution by pouring, wiping, brushing, scrubbing, spraying with a coarse trigger sprayer, sponging, immersing, using a clean in place (CIP) system, pumping it through the system, drawing it through the system or mopping.
- 3) Rinse all surfaces thoroughly with a potable water rinse.

DISINFECTION IN HOSPITALS, MEDICAL OFFICES, DENTAL OFFICES, DENTAL OPERATORIES, NURSING HOMES AND OTHER HUMAN HEALTH CARE FACILITIES:

NOTE:

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 pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high-level disinfection.

APPLICATION INSTRUCTIONS:

- 1) Add 12.8 fl. oz. of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 12.8 fl. oz. of Sterilex Ultra Activator Solution to 1 gal. tap water in an appropriate plastic container and stir.
- 2) Thoroughly wet surfaces with use-solution by pouring, wiping, brushing, scrubbing, spraying with a coarse trigger sprayer, sponging, using a clean in place (CIP) system, pumping it through the system, drawing it through the system or mopping.
- 3) Allow surfaces to remain wet for at least 10 minutes
- 4) Rinse all surfaces thoroughly with a potable water rinse.

PRECLEANING INSTRUCTIONS (OPTIONAL STEP):

Although **Sterilex Ultra Disinfectant Cleaner Solution 1** provides one-step cleaning and disinfection, precleaning may be desired for some surfaces in certain cases.

- 1) Prepare a precleaning solution by adding 3 - 6 fl. oz. of **Sterilex Ultra Disinfectant Cleaner Solution 1** and an equivalent amount of Sterilex Ultra Activator Solution to 1 gal. hot tap water in an appropriate plastic container, depending on the level of gross filth to be precleaned.
- 2) Clean surfaces with precleaning solution by pouring, wiping, brushing, scrubbing, spraying with a coarse trigger sprayer, foaming, sponging, immersing, using a clean in place (CIP) system, pumping it through the system, drawing it through the system or mopping.
- 3) Rinse all surfaces thoroughly with a potable water rinse.

INSTRUMENT PRE-SOAK:

For use as an instrument pre-soak, prepare a solution by adding 12.8 fl. oz. of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 12.8 fl. oz. of Sterilex Ultra Activator Solution to 1 gal. tap water in an appropriate plastic container

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and stir. Immerse instruments completely and allow to soak for 10 minutes. Rinse all surfaces thoroughly with a potable water rinse. Instruments must undergo high-level disinfection or sterilization following pre-soak treatment.

DISINFECTION IN ULTRASONIC BATHS:

NOTE:

Use **Sterilex Ultra Disinfectant Cleaner Solution 1** to disinfect hard nonporous non-critical objects compatible with Ultrasonic Cleaning Units.

APPLICATION INSTRUCTIONS:

- 1) Pre-clean heavily soiled objects following the PRECLEANING INSTRUCTIONS below.
- 2) Add 12.8 fl. oz. of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 12.8 fl. oz. of Sterilex Ultra Activator Solution to 1 gal. tap water in an appropriate plastic container and stir.
- 3) Pour fresh use-solution directly into bath chamber.
- 4) Place objects into unit and operate for a minimum of 10 minutes, according to the manufacturer's directions.
- 5) Remove objects and wash with sterile water (sterile water for injection) or allow to air dry.
- 6) Prepare fresh solution for each use.

PRECLEANING INSTRUCTIONS (OPTIONAL STEP):

Although **Sterilex Ultra Disinfectant Cleaner Solution 1** provides one-step cleaning and disinfection, precleaning may be desired for some surfaces in certain cases.

- 1) Prepare a precleaning solution by adding 3 - 6 fl. oz. of **Sterilex Ultra Disinfectant Cleaner Solution 1** and an equivalent amount of Sterilex Ultra Activator Solution to 1 gal. hot tap water in an appropriate plastic container, depending on the level of gross filth to be precleaned.
- 2) Clean surfaces with precleaning solution by pouring, wiping, brushing, scrubbing, spraying with a coarse trigger sprayer, sponging, immersing, pumping it through the system, or drawing it through the system.
- 3) Before disinfecting rinse all surfaces thoroughly with a potable water rinse.

DISINFECTION OF FOOD PROCESSING EQUIPMENT AND HARD SURFACES IN FOOD PROCESSING FACILITIES, BREWERIES, WINERIES AND OTHER BEVERAGE MANUFACTURING FACILITIES, RESTAURANTS, BARS, CAFETERIAS, INSTITUTIONAL KITCHENS, CONVENIENCE STORES FOOD PREPARATION AREAS, FOOD STORAGE AREAS AND FOOD SERVICE AREAS:

NOTE:

Before use in federally inspected meat and poultry food processing plants and dairies, food products and packaging materials must be removed from the room or carefully protected. Follow all applicable local health and sanitation codes for sanitizing food processing equipment post-disinfection.

APPLICATION INSTRUCTIONS FOR SURFACES:

- 1) Remove gross food particles and soil from all articles using a pre-flush, or pre-scrape and, if necessary, presoak.
- 2) Add 12.8 fl. oz. of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 12.8 fl. oz. of Sterilex Ultra Activator Solution to 1 gal. tap water in an appropriate plastic container and stir.
- 3) Thoroughly wet surfaces with use-solution by pouring, wiping, brushing, scrubbing, spraying with a coarse trigger sprayer, sponging, immersing, using a clean in place (CIP) system, pumping it through the system, drawing it through the system or mopping.
- 4) Allow surfaces to remain wet for at least 10 minutes
- 5) Rinse all surfaces thoroughly with a potable water rinse.

PRECLEANING INSTRUCTIONS (OPTIONAL STEP):

Although **Sterilex Ultra Disinfectant Cleaner Solution 1** provides one-step cleaning and disinfection, precleaning may be desired for some surfaces in certain cases.

- 1) Prepare a precleaning solution by adding 3 - 6 fl. oz. of **Sterilex Ultra Disinfectant Cleaner Solution 1** and an equivalent amount of Sterilex Ultra Activator Solution to 1 gal. hot tap water in an appropriate plastic container, depending on the level of gross filth to be precleaned.
- 2) Clean surfaces with precleaning solution to by pouring, wiping, brushing, scrubbing, spraying with a coarse trigger sprayer, sponging, immersing, using a clean in place (CIP) system, pumping it through the system, drawing it through the system or mopping.
- 3) Before disinfecting rinse all surfaces thoroughly with a potable water rinse.

APPLICATION INSTRUCTIONS FOR TRANSFER LINES:

- 1) Add 12.8 fl. oz. of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 12.8 fl. oz. of Sterilex Ultra Activator Solution to 1 gal. tap water in an appropriate plastic container and stir.
- 2) Introduce use solution into transfer lines and tanks.
- 3) Soak or circulate use solution for at least 10 minutes.
- 4) Drain transfer lines.
- 5) Rinse all surfaces thoroughly with a potable water rinse.

DISINFECTION OF VETERINARY FACILITIES, ANIMAL CARE FACILITIES, ANIMAL LABORATORIES, ZOOS, PET SHOPS, KENNELS AND ANIMAL QUARTERS, FARM AND DAIRY FARM PREMISES, SWINE PREMISES, FARM AND DAIRY FARM PREMISE EQUIPMENT, SWINE PREMISE EQUIPMENT.

- 1) Remove all animals and feed from premises, vehicles, and enclosures.
- 2) 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.
- 3) Empty all troughs, racks, and other feeding and watering appliances.
- 4) Thoroughly clean all surfaces with soap or detergent and rinse with water or follow PRECLEANING INSTRUCTIONS below.
- 5) Saturate all surfaces with a solution prepared by adding 12.8 fl. oz. of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 12.8 fl. oz. of Sterilex Ultra Activator Solution to 1 gal. tap water in an appropriate plastic container and stirring.
- 6) Thoroughly wet surfaces with use-solution by pouring, wiping, brushing, scrubbing, spraying with a coarse trigger sprayer, sponging, using a clean in place (CIP) system, pumping it through the system, drawing it through the system or mopping. 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.
- 7) Allow surfaces to remain wet for at least 10 minutes
- 8) Rinse all surfaces thoroughly with a potable water rinse.
- 9) Ventilate buildings, cars, boats, and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set, or dried.
- 10) Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains, and waterers with soap or detergent, and rinse with potable water before reuse.

APPLICATION INSTRUCTIONS FOR TRANSFER LINES:

- 1) Add 12.8 fl. oz. of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 12.8 fl. oz. of Sterilex Ultra Activator Solution to 1 gal. tap water in an appropriate plastic container and stir.
- 2) Introduce use solution into transfer lines and tanks for watering systems and nipple drinkers.
- 3) Soak or circulate use solution for at least 10 minutes.
- 4) Drain transfer lines and tanks.
- 5) Rinse all surfaces thoroughly with a potable water rinse.

PRECLEANING INSTRUCTIONS (OPTIONAL STEP):

Although **Sterilex Ultra Disinfectant Cleaner Solution 1** provides one-step cleaning and disinfection, precleaning may be desired for some surfaces in certain cases.

- 1) Prepare a precleaning solution by adding 3 - 6 fl. oz. of **Sterilex Ultra Disinfectant Cleaner Solution 1** and an equivalent amount of Sterilex Ultra Activator Solution to 1 gal. hot tap water in an appropriate plastic container, depending on the level of gross filth to be precleaned.
- 2) Clean surfaces with precleaning solution to by pouring, wiping, brushing, scrubbing, spraying with a coarse trigger sprayer, sponging, immersing, using a clean in place (CIP) system, pumping it through the system, drawing it through the system or mopping.
- 3) Before disinfecting rinse all surfaces thoroughly with a potable water rinse.

DISINFECTION OF POULTRY HOUSE PREMISES, POULTRY HOUSE EQUIPMENT AND HATCHERIES

- 1) Remove all poultry and feeds from premises, trucks, coops, and crates.
- 2) Remove all litter and droppings from floors, walls and surfaces of facilities occupied or traversed by poultry.
- 3) Empty all troughs, racks, and other feeding and watering appliances.

- 4) Thoroughly clean all surfaces with soap or detergent and rinse with water or follow PRECLEANING INSTRUCTIONS below.
- 5) Saturate all surfaces with a solution prepared by adding 12.8 fl. oz. of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 12.8 fl. oz. of Sterilex Ultra Activator Solution to 1 gal. tap water in an appropriate plastic container and stirring.
- 6) Thoroughly wet surfaces with use-solution by pouring, wiping, brushing, scrubbing, spraying with a coarse trigger sprayer, sponging, using a clean in place (CIP) system, pumping it through the system, drawing it through the system or mopping. The use-solution can be used to disinfect hatchers, setters, trays, racks, carts, sexing tables, delivery trucks and other hard surfaces in hatcheries. 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.
- 7) Allow surfaces to remain wet for at least 10 minutes.
- 8) Ventilate buildings, coops, and other closed spaces. Do not house poultry or employ equipment until treatment has been absorbed, set, or dried.
- 9) Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains, and waterers with soap or detergent, and rinse with potable water before reuse.

APPLICATION INSTRUCTIONS FOR TRANSFER LINES:

- 1) Add 12.8 fl. oz. of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 12.8 fl. oz. of Sterilex Ultra Activator Solution to 1 gal. tap water in an appropriate plastic container and stir.
- 2) Introduce use solution into transfer lines and tanks for watering systems and nipple drinkers.
- 3) Soak or circulate use solution for at least 10 minutes.
- 4) Drain transfer lines and tanks.
- 5) Rinse all surfaces thoroughly with a potable water rinse.

PRECLEANING INSTRUCTIONS (OPTIONAL STEP):

Although **Sterilex Ultra Disinfectant Cleaner Solution 1** provides one-step cleaning and disinfection, pre-cleaning may be desired for some surfaces in certain cases.

- 1) Prepare a pre-cleaning solution by adding 3 - 6 fl. oz. of **Sterilex Ultra Disinfectant Cleaner Solution 1** and an equivalent amount of Sterilex Ultra Activator Solution to 1 gal. hot tap water in an appropriate plastic container, depending on the level of gross filth to be pre-cleaned.
- 2) Clean surfaces with pre-cleaning solution to by pouring, wiping, brushing, scrubbing, spraying with a coarse trigger sprayer, sponging, immersing, using a clean in place (CIP) system, pumping it through the system, drawing it through the system or mopping.
- 3) Before disinfecting rinse all surfaces thoroughly with a potable water rinse.

DISINFECTION IN REFRIGERATED TRUCKS AND OTHER VEHICLES, INSTITUTIONS, INDUSTRIAL FACILITIES, SCHOOLS, ATHLETIC FACILITIES, REST ROOMS, HOTELS, MOTELS, OFFICE BUILDINGS AND OTHER PUBLIC AREAS, AND HOUSEHOLDS:

APPLICATION INSTRUCTIONS:

- 1) Add 12.8 fl. oz. of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 12.8 fl. oz. of Sterilex Ultra Activator Solution to 1 gal. tap water in an appropriate plastic container and stir.
- 2) Thoroughly wet surfaces with use-solution by pouring, wiping, brushing, scrubbing, spraying with a coarse trigger sprayer, sponging, using a clean in place (CIP) system, pumping it through the system, drawing it through the system or mopping. Clean all areas of vehicles, including mats, crates, cabs and wheels.
- 3) Allow surfaces to remain wet for at least 10 minutes.
- 4) Rinse all surfaces thoroughly with a potable water rinse.

PRECLEANING INSTRUCTIONS (OPTIONAL STEP):

Although **Sterilex Ultra Disinfectant Cleaner Solution 1** provides one-step cleaning and disinfection, pre-cleaning may be desired for some surfaces in certain cases.

- 1) Prepare a pre-cleaning solution by adding 3 - 6 fl. oz. of **Sterilex Ultra Disinfectant Cleaner Solution 1** and an equivalent amount of Sterilex Ultra Activator Solution to 1 gal. hot tap water in an appropriate plastic container, depending on the level of gross filth to be pre-cleaned.
- 2) Clean surfaces with pre-cleaning solution to by pouring, wiping, brushing, scrubbing, spraying with a coarse trigger sprayer, sponging, immersing, using a clean in place (CIP) system, pumping it through the system, drawing it through the system or mopping.

3) Before disinfecting rinse all surfaces thoroughly with a potable water rinse.

DISINFECTION OF SALON (BARBER) INSTRUMENTS AND TOOLS:

APPLICATION INSTRUCTIONS:

- 1) Add 12.8 fl. oz. of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 12.8 fl. oz. of Sterilex Ultra Activator Solution to 1 gal. tap water in an appropriate plastic container and stir.
- 2) Completely immerse combs, brushes, rollers, manicure and other hard, nonporous salon instruments and tools for 10 minutes.
- 3) Allow surfaces to remain wet for at least 10 minutes.
- 4) Rinse all thoroughly with potable water and dry before use.
- 5) Fresh solution should 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.

PRECLEANING INSTRUCTIONS (OPTIONAL STEP):

Although **Sterilex Ultra Disinfectant Cleaner Solution 1** provides one-step cleaning and disinfection, precleaning heavily soiled instruments and tools may be desired for some surfaces in certain cases.

- 1) Prepare a precleaning solution by adding 3 - 6 fl. oz. of **Sterilex Ultra Disinfectant Cleaner Solution 1** and an equivalent amount of Sterilex Ultra Activator Solution to 1 gal. hot tap water in an appropriate plastic container, depending on the level of gross filth to be precleaned.
- 2) Clean surfaces with precleaning solution to by pouring, wiping, brushing, scrubbing, spraying with a coarse trigger sprayer, sponging or immersing.
- 3) Before disinfecting rinse all surfaces thoroughly with a potable water rinse.

WATER AND SMOKE DAMAGE REMEDIATION AGAINST ODOR-CAUSING BACTERIA AND FUNGI IN HOSPITAL, INSTITUTIONAL AND INDUSTRIAL AREAS:

Sterilex Ultra Disinfectant Cleaner Solution 1, when mixed with Sterilex Ultra Activator Solution, is for use in water and smoke damage remediation to control odor causing bacteria and fungi on porous and semi-porous materials such as subflooring, drywall, lumber (trim and frame), tackless strip and paneling.

REMEDIATION PROCESS FOR SEWER BACKUP AND RIVER FLOODING:

- 1) Mix 12.8 fl. oz. (each, Solution 1 & Solution 2) per gallon of water, allowing for the dilution by absorbed water within the affected materials.
- 2) Remove gross filth, heavy soil and non-salvageable materials.
- 3) Saturate all affected materials directly with a sprayer using a coarse spray tip before and after cleaning and extraction.

REMEDIATION PROCESS FOR POROUS MATERIALS SUCH AS SUBFLOORING, DRYWALL, LUMBER (TRIM AND FRAME), TACKLESS STRIP AND PANELING:

- 1) If water damage is from a clean source, extract excess water from affected materials.
- 2) Mix 12.8 fl. oz. (each, Solution 1 & Solution 2) per gallon of water, allowing for the dilution by absorbed water within the affected materials.
- 3) Remove gross filth, heavy soil and non-salvageable materials.
- 4) Saturate all affected materials directly with a sprayer using a coarse spray tip.
- 5) Roll, brush or agitate use solution into affected materials and allow affected materials to remain saturated for ten minutes.
- 6) Follow with a thorough extraction of the affected materials to remove excess moisture.
- 7) Dry affected materials rapidly and thoroughly.

REMEDIATION PROCESS FOR SMOKE DAMAGE AGAINST ODOR CAUSING BACTERIA AND FUNGI IN HOSPITAL, INSTITUTIONAL AND INDUSTRIAL AREAS SUCH AS MOTELS, HOTELS, NURSING HOMES, AND SCHOOLS:

- 1) Follow applicable instructions outlined in the preceding sections for water damage remediation.
- 2) Saturate affected materials with the use solution with enough product to remain wet for 10 minutes.
- 3) Use proper ventilation during treatment of affected materials.

DISINFECTION OF DENTAL UNIT WATER LINES:

IMPORTANT:

Always use **Sterilex Ultra Disinfectant Cleaner Solution 1** with Sterilex Ultra Activator Solution.

This product is to be used in conjunction with regular testing of dental unit water.

The manufacturer of the dental unit should be consulted before use of this product about compatibility of **Sterilex Ultra Disinfectant Cleaner Solution 1** with the dental unit.

INITIAL START-UP TREATMENT:

Treat the Dental Unit Water Lines (DUWL) for three consecutive nights starting on Monday.

ROUTINE TREATMENT:

Treat DUWL one night/week (Monday-Thursday recommended) after Initial Start-up treatment.

Note: If two or more weekly treatments are skipped, repeat initial start-up treatment.

HOW TO APPLY STERILEX ULTRA DISINFECTANT CLEANER SOLUTION 1 WITH STERILEX ULTRA ACTIVATOR SOLUTION:

- 1) Add 1 ounce of **Sterilex Ultra Disinfectant Cleaner Solution 1** and one ounce of Sterilex Ultra Activator Solution and 10 ounces of water in a measuring cup or other empty container and stir. Pour appropriate amount of the combined mixture into an empty external dental unit water bottle. Do not use PET bottles (See note below). After Sterilex Ultra Disinfectant Cleaner Solution 1 and Sterilex Ultra Activator Solution have been mixed together use within 24 hours.
- 2) Run Sterilex Ultra Solution through the system until the mixture appears at the end of the air/water syringes and handpiece lines. Always remove the handpiece. It may be advisable to remove coupler depending on the type of coupler. Contact manufacturer for specific recommendations.
- 3) Allow the Sterilex Ultra mixture to sit in the unit overnight (Place the ends of water lines into a sink or cuspidor in case any pink mixture drips overnight).
- 4) At the beginning of the next workday, discard any remaining Sterilex Ultra mixture. Rinse the external water bottle with water.
- 5) Fill the external water bottle with water. Flush each line (air/water syringe, handpiece lines) until the bottle is empty.

Note: Do Not Use Thin Walled Polyethylene Terephthalate (PET) Bottles. We Recommend Either A High Density Polyethylene Bottle With A Minimum Thickness Of 0.08 Inches Or A High/Low Density Polyethylene Blend With A Minimum Thickness Of 0.14 Inches.

For the biocide and non-public use sites below, the use of Sterilex Ultra Activator Solution is not required. Sterilex Ultra Activator Solution may be used as an adjuvant for Sterilex Ultra-Kleen Disinfectant Cleaner Solution 1 in biocide and non-public use sites to adjust pH, inhibit corrosion and enhance cleaning.

Penetrates and Removes Biofilm and other Organic Contaminants

For use as a Bactericide, Slimicide, Mildewstat and Algicide (in Recirculating Cooling Water Systems,) (in Brewery Pasteurizing Systems,) (in Air Washers,) (in Water-Jet Looms,) (Tanks and Piping used to store and convey Industrial Process Water or Aqueous Mixtures not related to food processing,) (Deionizer Water Supply Systems not used in food processing, for human drinking water or in dental lines,) (in Drains,) (in Chair Side Evacuator Traps and Pump Filter Traps).

Controls Mold and Mildew

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RECIRCULATING COOLING WATER SYSTEMS, INCLUDING COOLING TOWERS, EVAPORATIVE CONDENSERS, DAIRY SWEET WATER SYSTEMS AND BREWERY PASTEURIZERS. Effectively removes and controls biofilm and other organic contaminants in commercial and industrial cooling towers: influent water systems such as flow-through filters; and heat exchange water systems. **(Not for Use in California)**

DOSAGE RATES. Initial Dose for badly fouled systems: Add 1 to 4 gal. (1000-4000 ppm) **Sterilex Ultra Disinfectant Cleaner Solution 1** per 1000 gallons of water in the system. If cleaning is desired or if the pH of the system is below 8, add simultaneously Sterilex Ultra Activator Solution at the rate of 1 to 3 times the volume of **Sterilex Ultra Disinfectant Cleaner Solution 1**. Repeat until control is evident.

Routine Dose, when microbial control is evident: Subsequent slug additions of 5 oz. to 64 fl. oz. (40-500 ppm) **Sterilex Ultra Disinfectant Cleaner Solution 1** per 1000 gallons of water (and if cleaning is desired or the pH of the system is below 8, Sterilex Ultra Activator Solution at the rate of 1 to 3 times the volume of **Sterilex Ultra Disinfectant Cleaner Solution 1**) should be employed every 2 to 5 days or as needed. The frequency of addition depends on the relative amount of bleed-off, the quality of the makeup water and rate of inflow of airborne or other contaminants. Slug additions should be made in the sump of water cooling towers.

Continuous Dosage: For continuous, or semi-continuous, low level dosage of Sterilex Ultra Disinfectant Cleaner Solution 1, add 1 oz. to 20 oz. (8-165 ppm) Sterilex Ultra Disinfectant Cleaner Solution 1 per 1000 gallons of water (and if cleaning is desired or the pH of the system is below 8, Sterilex Ultra Activator Solution at the rate of 1 to 3 times the volume of **Sterilex Ultra Disinfectant Cleaner Solution 1**).

PULP AND PAPER MILLS. For use only in the production of pulp and paper that will not come in contact with food. Effectively removes and controls biofilm and other organic contaminants in pulp and paper mill fresh and seawater influent, water systems, wastewater treatment systems, non-potable water systems, and other process water. **(Not for Use in California)**

DOSAGE RATES. Initial Dose for badly fouled systems: Add 3 to 16 gal. (3100-16150 ppm) of **Sterilex Ultra Disinfectant Cleaner Solution 1** per 1000 gallons of water in the system. If cleaning is desired or if the pH of the system is below 8, add simultaneously Sterilex Ultra Activator Solution at the rate of 1 to 3 times the volume of Sterilex Ultra Disinfectant Cleaner Solution 1. If necessary, apply a solution containing 0.4 to 2 oz. **Sterilex Ultra Disinfectant Cleaner Solution 1** per gallon of water (and if cleaning is desired or if the pH of the system is below 8, Sterilex Ultra Activator Solution at the rate of 1 to 3 times the volume of Sterilex Ultra Disinfectant Cleaner Solution 1) onto interior surfaces of the system that are not continuously submerged.

Routine Dose, when microbial control is evident: Subsequent slug additions of 8 to 50 oz. (65-408 ppm) **Sterilex Ultra Disinfectant Cleaner Solution 1** per 1000 gallons of water (and if cleaning is desired or if the pH of the system is below 8, Sterilex Ultra Activator Solution at the rate of 1 to 3 times the volume of **Sterilex Ultra Disinfectant Cleaner Solution 1**) should be employed every 1 to 5 days as needed. The frequency of addition depends on the quality of the makeup water and rate of inflow of airborne or other contaminants.

Continuous Dosage: For continuous low level dosage of Sterilex Ultra Disinfectant Cleaner Solution 1, add 1 oz. to 20 oz. (8-165 ppm) Sterilex Ultra Disinfectant Cleaner Solution 1 per 1000 gallons of water (and if cleaning is desired or the pH of the system is below 8, Sterilex Ultra Activator Solution at the rate of 1 to 3 times the volume of **Sterilex Ultra Disinfectant Cleaner Solution 1**).

AIR WASHERS. For use only in industrial air washing systems that maintain effective mist eliminating components. Effectively removes and controls biofilm and other organic contaminants in Industrial Water Scrubbing Systems. **(Not for Use in California)**

DOSAGE RATES. Initial Dose for badly fouled systems: Add 3 to 16 gal. (3100-16150 ppm) of **Sterilex Ultra Disinfectant Cleaner Solution 1** per 1000 gallons of water in the system. If cleaning is desired or if the pH of the system is below 8, add simultaneously Sterilex Ultra Activator Solution at the rate of 1 to 3 times the volume of **Sterilex Ultra Disinfectant Cleaner Solution 1**. If necessary, apply a solution containing 0.4 to 2 fl. oz. Sterilex Ultra Disinfectant Cleaner Solution 1 (and if cleaning is desired or the pH of the system is below 8, Sterilex Ultra Activator Solution at the rate of 1 to 3 times the volume of **Sterilex Ultra Disinfectant Cleaner Solution 1**) per gallon of water onto interior surfaces of the system that are not continuously submerged. Repeat until control is evident.

Routine Dose, when microbial control is evident: Subsequent slug additions of 28 to 128 fl. oz. (225-1000 ppm) **Sterilex Ultra Disinfectant Cleaner Solution 1** per 1000 gallons of water and if cleaning is desired or the pH of the system is below 8, Sterilex Ultra Activator Solution at the rate of 1 to 3 times the volume of **Sterilex Ultra Disinfectant Cleaner Solution 1** should be employed every 1 to 5 days or as needed. The frequency of addition depends on the relative amount of bleed-off, the quality of the makeup water and rate of inflow of airborne or other contaminants. Slug additions should be made in the sump of Industrial Water Scrubbing Systems.

DYE MACHINES. Effectively removes and controls biofilm and other organic contaminants in Textile Dyeing Machines. **(Not for Use in California)**

DOSAGE RATES. Add 16 to 40 gal. (16150-38500 ppm) of **Sterilex Ultra Disinfectant Cleaner Solution 1** per 1000 gallons of water in a dye storage tank. If cleaning is desired or the pH of the mixture is below 8, add simultaneously Sterilex Ultra Activator Solution at the rate of 1 to 3 times the volume of **Sterilex Ultra Disinfectant Cleaner Solution 1**. Circulate the mixture from the dye storage tank through the dye machine and all associated piping and other dye storage tanks. If necessary, apply a solution containing 2 to 5 fl. oz. Sterilex Ultra Disinfectant Cleaner Solution 1 (and if cleaning is desired or the pH of the mixture is below 8, Sterilex Ultra Activator Solution at the rate of 1 to 3 times the volume of **Sterilex Ultra Disinfectant Cleaner Solution 1**) per gallon of water onto surfaces of the system that are not continuously submerged.

WATER-JET LOOMS. Effectively removes and controls biofilm and other organic contaminants in Water-Jet Looms. **(Not for Use in California)**

DOSAGE RATES. Initial Dose for badly fouled systems: Prepare a mixture of 2 to 5 fl. oz. of **Sterilex Ultra Disinfectant Cleaner Solution 1** per gallon of water. If cleaning is desired or if the pH of the mixture is below 8, add Sterilex Ultra Activator Solution at the rate of 1 to 3 times the volume of **Sterilex Ultra Disinfectant Cleaner Solution 1**. Pump the mixture through the Water-Jet Loom and all associated piping. If necessary, apply a solution containing 2 to 5 fl. oz. of **Sterilex Ultra Disinfectant Cleaner Solution 1** (and if cleaning is desired or the pH of the system is below 8, Sterilex Ultra Activator Solution at the rate of 1 to 3 times the volume of **Sterilex Ultra Disinfectant Cleaner Solution 1**) per gallon of water onto surfaces of the system that are not continuously submerged.

Subsequent Dose, when microbial control is evident: Subsequent slug additions of 5 to 25 fl. oz. (40-203 ppm) **Sterilex Ultra Disinfectant Cleaner Solution 1** (and if cleaning is desired or the pH of the mixture is below 8, Sterilex Ultra Activator Solution at the rate of 1 to 3 times the volume of **Sterilex Ultra Disinfectant Cleaner Solution 1**) per 1000 gallons of daily water use should be employed every 1 to 5 days or as needed. The frequency of addition depends on the quality of the makeup water and rate of inflow of airborne or other contaminants.

TANKS, SUMPS, AND OTHER HOLDING VESSELS, PIPING AND INDUSTRIAL EQUIPMENT USED TO STORE AND CONVEY INDUSTRIAL OR COMMERCIAL PROCESS WATER OR AQUEOUS MIXTURES. Do Not Use in equipment that will contact food. Effectively removes and controls biofilm and other organic contaminants in Tanks, Piping and Industrial Equipment used to store and convey Industrial Process Water or Aqueous Mixtures. **(Not for Use in California)**

DOSAGE RATES. Dose for badly fouled systems: Fill equipment as completely as possible with a solution of 8 to 80 gal. (8215-70000 ppm) of **Sterilex Ultra Disinfectant Cleaner Solution 1** (and if cleaning is desired or the pH of the mixture is below 8, Sterilex Ultra Activator Solution at the rate of 1 to 3 times the volume of **Sterilex Ultra Disinfectant Cleaner Solution 1**) per 1000 gallons of system capacity. Circulate for at least 4 hours and then drain system. Rinse system with 6 volumes of water. If necessary, apply a solution containing 1 to 10 fl. oz. **Sterilex Ultra Disinfectant Cleaner Solution 1** (and if cleaning is desired or the pH of the mixture is below 8, Sterilex Ultra Activator Solution at the rate of 1 to 3 times the volume of **Sterilex Ultra Disinfectant Cleaner Solution 1**) per gallon onto surfaces of the equipment that are not submerged.

Subsequent Dose, when microbial control is evident: Subsequent slug additions of 5 to 25 fl. oz. (40-203 ppm) **Sterilex Ultra Disinfectant Cleaner Solution 1** (and if cleaning is desired or the pH of the mixture is below 8, Sterilex Ultra Activator Solution at the rate of 1 to 3 times the volume of **Sterilex Ultra Disinfectant Cleaner Solution 1**) per 1000 gallons of daily water use should be employed every 1 to 5 days or as needed. The frequency of addition depends on the quality of the makeup water and rate of inflow of airborne or other contaminants.

DEIONIZED WATER SUPPLY SYSTEMS NOT USED IN FOOD PROCESSING, FOR HUMAN DRINKING WATER OR DENTAL LINES. Effectively removes and controls biofilm and other organic contaminants in Tanks, Filters and Piping used to store and convey Deionizer Water. **(Not for Use in California)**

DOSAGE RATES. Add 3 to 16 gal. (3100-16150 ppm) of **Sterilex Ultra Disinfectant Cleaner Solution 1** and if cleaning is desired or the pH of the mixture is below 8, Sterilex Ultra Activator Solution at the rate of 1 to 3 times the volume of **Sterilex Ultra Disinfectant Cleaner Solution 1** per 1000 gallons of system capacity. Circulate for at least one hour and then drain system. Rinse system with 6 volumes of water. If necessary, apply a solution containing 0.4 to 2 fl. oz. **Sterilex Ultra Disinfectant Cleaner Solution 1** (and if cleaning is desired or the pH of the system is below 8, Sterilex Ultra Activator Solution at the rate of 1 to 3 times the volume of **Sterilex Ultra Disinfectant Cleaner Solution 1**) per gallon onto surfaces of the equipment that are not submerged.

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Controls Slime Forming Bacteria and Biofouling

Penetrates and Removes Biofilm and Other Organic Contaminants. Use as a Bactericide, Slimicide, Mildewstat, and Algicide in:

DRAINS. Effectively removes and controls plugging and odors caused by accumulation of biofilm and other organic contaminants in drains. Prevents stoppage and odors. **(Not for Use in California)**

DOSAGE RATES. Initial Dose for badly fouled systems. This product can be poured, foamed, wiped, brushed, applied using a clean in place CIP system, pumping it through the system or mopping. Apply from 6 fl. oz to 15 fl. oz Ultra-Kleen Solution 1 per gallon of water to drain. Repeat until control is evident. Optionally, pour from 1 fl. oz. Ultra-Kleen Solution 1 around or into one-inch diameter or smaller drains up to 90 fl. oz. Ultra-Kleen Solution 1 around or into three-inch diameter drains. If cleaning is desired, add simultaneously Ultra-Kleen Solution 2 at the same volume as Ultra-Kleen Solution 1 (1 – 90 fl. oz). For foam cleaning, add 6-15 oz. Sterilex Ultra-Kleen Solution 1 and an equal amount of Sterilex Ultra-Kleen Solution 2 per gallon of water to a foaming device and foam the mixture into the drain.

Subsequent Dose: When microbial control is evident, subsequent additions of 1-6 fl. oz Ultra-Kleen Solution 1 per gallon of water should be employed every 7 days or as needed. This product can be poured, foamed, wiped, brushed, applied using a clean in place CIP system, pumping it through the system or mopping. If cleaning is desired, add simultaneously Ultra-Kleen Solution 2 at the same volume as Ultra-Kleen Solution 1 (1 – 6 fl. oz) per gallon of water. Optionally, subsequent additions of 1 – 6 fl. oz Ultra-Kleen Solution 1 into one-inch diameter or smaller drains up to 6 fl. oz Ultra-Kleen Solution 1 into three-inch diameter drains, should be employed every 7 days or as needed. If cleaning is desired, add simultaneously Ultra-Kleen Solution 2 at the same volume as Ultra-Kleen Solution 1 (1 – 6 fl. oz). For foam cleaning, add 1 – 6 oz. Sterilex Ultra-Kleen Solution 1 and an equal amount of Sterilex Ultra-Kleen Solution 2 per gallon of water to a foaming device and foam the mixture into the drain.

CHAIR SIDE EVACUATOR TRAPS AND PUMP FILTER TRAPS. Effectively removes and controls plugging and odors caused by accumulation of biofilm in chair side evacuator traps and pump filter traps. Prevents stoppage and odor. **(Not for Use in California)**

DOSAGE RATES. Initial Dose for badly fouled systems. Mix 10 fl. oz. of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 10 fl. oz. of Sterilex Ultra Activator Solution into one gallon of hot water at the end of the working day. Draw all of the solution into the trap and allow to stand overnight. Repeat until control is evident.

Subsequent Dose: When microbial control is evident, subsequent slug additions of 1.5-2 fl. oz. **Sterilex Ultra Disinfectant Cleaner Solution 1** and 1.5-2 fl. oz of Sterilex Ultra Activator Solution mixed into one gallon of hot water should be employed every 7 days or as needed.

FOR PRECLEANING OF WHIRLPOOL BATHTUBS circulate a solution of 0.5 fl. oz. **Sterilex Ultra Disinfectant Cleaner Solution 1** and 0.5 fl. oz. of **Sterilex Ultra Activator Solution** per 1 gal. tap water through tub and associated piping and filters at a temperature $\geq 90^{\circ}\text{F}$.