

63761-9

2/17/2010

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



Office of Pesticide Programs

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

FEB 17 2010

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

Attention: Wendy A. McCombie

**Subject: Sterilex Liquid Ultra Disinfectant Solution 1**  
EPA Registration No. 63761-9  
Notification Dated January 31, 2010

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

**Proposed Notification**

- Minor Label Changes
- To Update the "Storage and Disposal" language per PR Notice 2007-4

**General Comments**

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

The Notification dated January 31, 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)

2012

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060, Approval expires 05-31-98



**EPA**

United States  
**Environmental Protection Agency**  
Washington, DC 20460

- Registration
- Amendment
- Other NOTIFICATION

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number <b>63761-9</b>	2. EPA Product Manager <b>Marshall Swindell</b>	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <b>Sterilex Ultra Liquid B Solution 1</b>	PM# <b>Team 33</b>	
5. Name and Address of Applicant (Include ZIP Code) <b>Sterilex Corporation 11409 Cronhill Drive Suite L Owings Mills, MD 21117</b> <u>PLEASE SEND ALL CORRESPONDENCE TO "CONTACT POINT" LISTED BELOW.</u> <input type="checkbox"/> Check if this is a new address	6. <b>Expedited Review.</b> 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**

- Amendment - Explain below.
- Resubmission in response to Agency letter dated \_\_\_\_\_
- Notification - Explain below.
- Final printed labels in response to Agency letter dated \_\_\_\_\_
- "Me Too" Application
- 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 31, 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 type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input 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 type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)		
Name <b>Mark Wozniak (m.wozniak@sterilex.com)</b>	Title <b>Senior Scientist/ R&amp;D Manager</b>	Telephone No. (Include Area Code) <b>410-581-8860</b>
<b>Certification</b> 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.		6. Date Application Received (Stamped)
2. Signature 	3. Title <b>Agent for Sterilex Corporation</b>	
4. Typed Name <b>Wendy A. McCombie</b>	5. Date <b>January 31, 2010</b>	



40912



# Sterilex Liquid Ultra Solution 1

Think Pink Once A Week®

This is part one of a two-part product. [This product must be used with Sterilex Liquid Ultra Solution 2] -or- [Always Use With Sterilex Liquid Ultra Solution 2] Please consult the directions for use for specific instructions.

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

Effective against mycotoxin-producing molds

Kills biofilm bacteria

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

Active Ingredient:

Hydrogen Peroxide.....	1.05%
Other Ingredients.....	<u>98.95%</u>
TOTAL	100.00%

**KEEP OUT OF THE REACH OF CHILDREN**

**DANGER**

(For containers less than or equal to 1 gallon: see package insert or hang tag prior to use for use instructions, first aid, and precautionary information.)

**FIRST AID**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

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. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

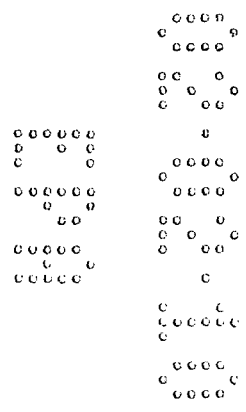
EPA REG. NO. 63761-9

EPA EST. NO. 73516-MD-01

NET CONTENTS \_\_\_\_\_

LOT NO. \_\_\_\_\_

Manufactured for  
STERILEX CORPORATION  
11409 Cronhill Drive  
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. Harmful if absorbed through skin. Do not get in eyes, on skin, or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses) and rubber gloves when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Keep product in closed original container when not in use. Store in a cool, dry area away from potential sources of heat, open flames, sunlight or other chemicals. DO NOT store above 30°C (or 86°F).

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide 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.

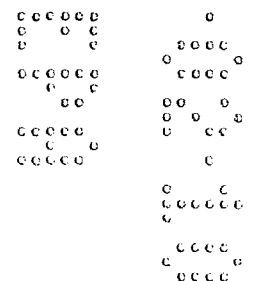
**Always Use Sterilex Liquid Ultra Solution 2 with Sterilex Liquid Ultra Solution 1**

1. Initial Start-Up Treatment: Treat the Dental Unit Water Lines (DUWL) for three consecutive nights starting on Monday.
2. Routine Treatment: Treat DUWL one night/week (Monday-Thursday recommended) after Initial Start-up treatment.
3. If two or more weekly treatments are skipped, repeat initial start-up treatment.

**DISINFECTION**

**Sterilex Liquid Ultra Solution 2.** Combine equal parts **Sterilex Liquid Ultra Solution 1** and **Sterilex Liquid Ultra Solution 2** in an appropriate plastic container and stir. 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 Liquid Ultra Solution 1**, when mixed with **Sterilex Liquid Ultra Solution 2**, kills *Zygosaccharomyces bailii* on hard, inanimate surfaces in one step at 3 fl. oz. (each, Solution 1 & Solution 2) per 10 fl. oz. of water, 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 Liquid Ultra Solution 1**, when mixed with **Sterilex Liquid Ultra Solution 2**, is effective against Avian Influenza A (H3N2: Avian Reassortant) on hard, inanimate surfaces in one step at 3 fl. oz. (each, Solution 1 & Solution 2) per 10 fl. oz. of water, 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 Liquid Ultra Solution 1**, when mixed with **Sterilex Liquid Ultra Solution 2**, 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 equal parts each, Solution 1 & Solution 2 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 Liquid Ultra Solution 1**, when mixed with **Sterilex Liquid Ultra Solution 2**, 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 Liquid Ultra Solution 1**, when mixed with **Sterilex Liquid Ultra Solution 2**, 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);

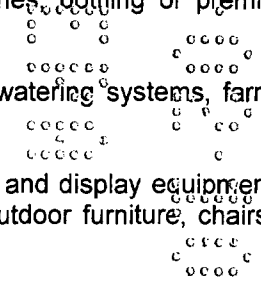
Steam sterilizer water reservoirs, steam sterilizer water reservoir tubing;

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 Liquid Ultra Solution 1**, when mixed with **Sterilex Liquid Ultra Solution 2**, removes biofilm from dental unit water lines (laboratory studies show >90% removal).

Cross-contamination is a significant housekeeping concern. **Sterilex Liquid Ultra Solution 1**, when mixed with **Sterilex Liquid Ultra Solution 2**, has been formulated to reduce cross-contamination in households, hospitals, schools, industrial settings and institutions.

**Sterilex Liquid Ultra Solution 1**, when mixed with **Sterilex Liquid Ultra Solution 2**, is recommended for use in federally inspected meat and poultry plants and as a disinfectant in dressing plants.

**Sterilex Liquid Ultra Solution 1**, when mixed with **Sterilex Liquid Ultra Solution 2**, provides optimal non-acid cleaning performance.

Both effective and economical, **Sterilex Liquid Ultra Solution 1**, when mixed with **Sterilex Liquid Ultra Solution 2**, 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 Liquid Ultra Solution 1**, when mixed with **Sterilex Liquid Ultra Solution 2**, 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 Liquid Ultra Solution 1**, when mixed with **Sterilex Liquid Ultra Solution 2**, clears, disinfects and deodorizes surfaces by killing odor-causing microorganisms and preventing [inhibiting] [controlling] the growth of mold and mildew.

**Sterilex Liquid Ultra Solution 1**, when mixed with **Sterilex Liquid Ultra Solution 2**, inhibits the growth of mold and mildew, leaving bathrooms and kitchens clean and fresh smelling.

80612

**Sterilex Liquid Ultra Solution 1**, when mixed with **Sterilex Liquid Ultra Solution 2**, eliminates odors caused by bacteria, mildew, and non-fresh foods.

**Sterilex Liquid Ultra Solution 1**, when mixed with **Sterilex Liquid Ultra Solution 2**, 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 Liquid Ultra Solution 1**, when mixed with **Sterilex Liquid Ultra Solution 2**, 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 equal parts **Sterilex Liquid Ultra Solution 1** and **Sterilex Liquid Ultra Solution 2** 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.

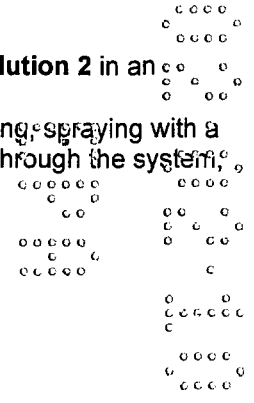
**DISINFECTION IN HOSPITALS, MEDICAL OFFICES, DENTAL OFFICES, DENTAL OPERATORIES, NURSING HOMES AND OTHER HUMAN HEALTH CARE FACILITIES:**

**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 equal parts **Sterilex Liquid Ultra Solution 1** and **Sterilex Liquid Ultra Solution 2** 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.





9/12

**DISINFECTION IN ULTRASONIC BATHS:**

NOTE: Use **Sterilex Liquid Ultra 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 equal parts **Sterilex Liquid Ultra Solution 1** and **Sterilex Liquid Ultra Solution 2** 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 Liquid Ultra 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 Liquid Ultra Solution 1** and an equivalent amount of **Sterilex Liquid Ultra Solution 2** 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 equal parts **Sterilex Liquid Ultra Solution 1** and **Sterilex Liquid Ultra Solution 2** 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.

**APPLICATION INSTRUCTIONS FOR TRANSFER LINES:**

- 1) Add equal parts **Sterilex Liquid Ultra Solution 1** and **Sterilex Liquid Ultra Solution 2** 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 equal parts **Sterilex Liquid Ultra Solution 1** and **Sterilex Liquid Ultra Solution 2** 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 equal parts **Sterilex Liquid Ultra Solution 1** and **Sterilex Liquid Ultra Solution 2** 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.

**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 equal parts **Sterilex Liquid Ultra Solution 1** and **Sterilex Liquid Ultra Solution 2** 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 equal parts **Sterilex Liquid Ultra Solution 1** and **Sterilex Liquid Ultra Solution 2** 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.

11/2/12

**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 equal parts **Sterilex Liquid Ultra Solution 1** and **Sterilex Liquid Ultra Solution 2** 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.

**DISINFECTION OF SALON (BARBER) INSTRUMENTS AND TOOLS:**

**APPLICATION INSTRUCTIONS:**

- 1) Add equal parts **Sterilex Liquid Ultra Solution 1** and **Sterilex Liquid Ultra Solution 2** 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.

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

**Sterilex Liquid Ultra Solution 1**, when mixed with **Sterilex Liquid Ultra Solution 2**, 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.

**REMEDICATION PROCESS FOR SEWER BACKUP AND RIVER FLOODING:**

- 1) Mix equal parts (each **Solution 1** and **Solution 2**) 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.

**REMEDICATION 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 equal parts (each **Solution 1** and **Solution 2**) 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.

12/2/12

**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 NOTICE:**

Before using Sterilex Liquid Ultra Solution 1 please read the following information.

1. This product is to be used in conjunction with regular testing of dental unit water.
2. The manufacturer of the dental unit should be consulted before use of this product about compatibility of Sterilex Liquid Ultra Solution 1 with the dental unit.

**1. Initial Start-Up Treatment:**

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

**2. Routine Treatment:**

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

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

**HOW TO APPLY STERILEX LIQUID ULTRA SOLUTION 2 WITH STERILEX LIQUID ULTRA SOLUTION 1:**

1. Add 1 bottle (3 ounces) of **Sterilex Liquid Ultra Solution 1** and 1 bottle (3 ounces) of **Sterilex Liquid Ultra Solution 2** 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 Liquid Ultra Solution 1** and **Sterilex Liquid Ultra Solution 2** have been mixed together use within 24 hours.

2. Run Sterilex Liquid Ultra mixture through the system until the pink 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 Liquid 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 Liquid 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.**

