



# STERILEX® ULTRA DISINFECTANT CLEANER SOLUTION 1

## Directions for Use Booklet

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

*For disinfection and sanitization for public health uses, this is part one of a two-part product and must be used with Sterilex Ultra Activator Solution.*

*For Biocide and non-public health uses, the use of Sterilex Ultra Activator Solution may not be required.*

*Ultra Soft Metal Activator may replace Sterilex Ultra Activator Solution in all listed claims and application instructions.*

**Please consult the directions for use for specific instructions.**

### When mixed with Ultra Soft Metal Activator:

- Compatible with soft metals, including aluminum
- Soft metal disinfection and sanitization applications include spiral freezers<sup>††</sup> and chillers. Optimized for use in spiral freezers<sup>††</sup>, chillers, individual quick freezing (IQF) freezers<sup>††</sup>, cooling tunnels and other soft metal surfaces
- Helps prevent cross contamination on treated surfaces
- Compatible with aluminum surfaces, including: Al 1100, Al 3003, Al 5052
- Semi-compatible with Al 7075, Brass, Carbon Steel
- Compatible with stainless steel and soft metal surfaces including: Aluminum, Copper
- Not for use on galvanized surfaces
- Contact Sterilex for full compatibility profile
- This product is compatible with the following material surfaces: Al 1100, Al 5052, Al 3003, Bronze, Copper, SS 304, SS 316
- NOTE: This product may also be compatible with materials that have not been listed on this label. If you have any questions regarding the compatibility of this product, please contact Sterilex.

### 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. Prepare a precleaning solution by adding 1–12.8 fl oz of **Sterilex Ultra Disinfectant Cleaner Solution 1** and an equivalent amount of Sterilex Ultra Activator Solution per 1 gallon of water, depending on the level of gross soil to be precleaned. Clean surfaces with precleaning solution by pouring, wiping, brushing, scrubbing, foaming, 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. Rinse all food contact surfaces thoroughly with a potable water rinse.

### DISINFECTION

<sup>††</sup>GENERAL ONE STEP DISINFECTION AND CLEANING DIRECTIONS FOR HARD, NON-POROUS SURFACES:

**Sterilex Ultra Disinfectant Cleaner Solution 1**, when mixed with Sterilex Ultra Activator Solution, is a one-step, hospital-use disinfectant at 12.8–16.0 fl oz (each, Solution 1 & Solution 2) per gallon of water (1:1:10–1:1:8), or equivalent use dilution. Bactericidal according to the current AOAC Use-Dilution Test Method modified in the presence of 400 ppm hard water plus organic soil against:

*Pseudomonas aeruginosa (Pseudomonas)* (ATCC 15442)  
*Staphylococcus aureus (Staph)* (ATCC 6538)  
*Staphylococcus aureus – Methicillin Resistant* (ATCC 33591) (MRSA)  
*Salmonella enterica (Salmonella)* (ATCC 10708)  
*Salmonella enterica* subspecies *enterica* serovar Enteritidis (S. Enteritidis) (ATCC 13076)  
*Salmonella enterica* subspecies *enterica* serovar Heidelberg (S. Heidelberg) (ATCC 8326)  
*Escherichia coli* O157:H7 (ATCC 35150)  
*Listeria monocytogenes* (ATCC 19111)  
*Campylobacter jejuni* (ATCC 29428)  
*Cronobacter sakazakii* (ATCC 29004)

### APPLICATION INSTRUCTIONS:

To clean and disinfect in one step, remove gross soil from all areas, articles and surfaces to be disinfected using a pre-clean, pre-flush, or pre-scrape and, if necessary, presoak. Mix 12.8–16.0 fl oz of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 12.8–16.0 fl oz of Sterilex Ultra Activator Solution per gallon of water. Thoroughly wet surfaces by pouring, wiping, brushing, scrubbing, foaming, spraying with a coarse trigger sprayer, sponging, using a clean in place (CIP) system, pumping it through the system, drawing it through the system, mopping or immersion. For sprayer applications, use a coarse pump or trigger sprayer. Spray 6–9 inches from the surface. Do not breathe spray. Allow surfaces to remain wet for at least 10 minutes. Rinse all food contact surfaces thoroughly with a potable water rinse. Use product within 8 hours of mixing **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution. For initial start-up, repeat on all surfaces for 3–5 consecutive treatments. For routine maintenance applications treat all surfaces 1x/week, or as needed to maintain environmental counts.

### HEAVY DUTY SOIL REMOVAL APPLICATION INSTRUCTIONS

Preclean surfaces per the Precleaning Instructions. Mix 64.0 fl oz of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 64.0 fl oz of Sterilex Ultra Activator Solution per gallon



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of water (1:1:2), or equivalent use dilution. Thoroughly wet surfaces by pouring, wiping, brushing, scrubbing, spraying, sponging, mopping, or immersion. Allow surfaces to remain wet for at least 10 minutes. Do not breathe spray. Rinse all food contact surfaces thoroughly with a potable water rinse. Use product within 8 hours of mixing **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution. For a more concentrated option, prepare a 1:1 solution by mixing equal parts **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution. Do not use Ultra Soft Metal Activator at the 1:1 or 1:1:2 application rate.

## HIGH FOAM APPLICATION INSTRUCTIONS

Prepare a 1:1 solution by mixing equal parts **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution. Thoroughly wet surfaces by pouring, wiping, brushing, scrubbing, foaming, spraying, sponging, mopping, or immersion. Allow surfaces to remain wet for at least 10 minutes. Do not breathe spray. Rinse all food contact surfaces thoroughly with a potable water rinse. Use product within 8 hours of mixing **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution. For a less concentrated, high foam option, mix 64.0 fl oz of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 64.0 fl oz of Sterilex Ultra Activator Solution per gallon of water (1:1:2). Do not use Ultra Soft Metal Activator at the 1:1 or 1:1:2 application rate.

## KILLS BIOFILM BACTERIA

**Sterilex Ultra Disinfectant Cleaner Solution 1**, when mixed with **Sterilex Ultra Activator Solution**, effectively penetrates biofilm and kills the following biofilm bacteria:

- Pseudomonas aeruginosa* (*Pseudomonas*) (ATCC 15442)
- Staphylococcus aureus* (*Staph*) (ATCC 6538)

## APPLICATION INSTRUCTIONS:

Apply **Sterilex Ultra Disinfectant Cleaner Solution 1** and **Sterilex Ultra Activator Solution** as a disinfectant, per the Heavy Duty Soil Removal Application Instructions. Use product within 8 hours of mixing Sterilex Ultra Disinfectant Cleaner Solution 1 and Sterilex Ultra Activator Solution.

## SPOILAGE ORGANISM

**Sterilex Ultra Disinfectant Cleaner Solution 1**, when mixed with Sterilex Ultra Activator Solution, kills the following spoilage organisms on hard, inanimate surfaces in one step at the concentrations listed in the table below, according to the current AOAC Use-Dilution Test Method modified in the presence of 400 ppm hard water plus organic soil.

| Spoilage Organism                              | Concentration  |
|--|--|
| <i>Zygosaccharomyces parvii</i> (ATCC 56075)   | 4–8 oz of <b>Sterilex Ultra Disinfectant Cleaner Solution 1</b> and 4–8 oz of Sterilex Ultra Activator Solution per gallon of water (1:1:32–1:1:16)            |
| <i>Trichophyton mentagrophytes</i> (ATCC 9533) | 12.8–16.0 oz of <b>Sterilex Ultra Disinfectant Cleaner Solution 1</b> and 12.8–16.0 oz of Sterilex Ultra Activator Solution per gallon of water (1:1:10–1:1:8) |

## §VIRUSES

### Avian Influenza

**Sterilex Ultra Disinfectant Cleaner Solution 1**, when mixed with Sterilex Ultra Activator Solution is effective against Avian Influenza A on hard, inanimate surfaces in one step at 2–4 fl oz **Sterilex Ultra Disinfectant Cleaner Solution 1** and 2–4 fl oz of Sterilex Ultra Activator Solution per gallon of water (1:1:64–1:1:32), with a 5 minute contact time in the presence of 400 ppm hard water and organic soil. Remove gross soil from all areas, articles and surfaces to be disinfected using a pre-clean, pre-flush, or pre-scrape and, if necessary, presoak. Mix 2–4 fl oz of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 2–4 fl oz of Sterilex Ultra Activator Solution per gallon of water. Thoroughly wet surfaces by pouring, wiping, brushing, scrubbing, foaming, 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. Allow surfaces to remain wet for at least 5 minutes. Do not breathe spray. Rinse all food contact surfaces thoroughly with a potable water rinse. Use product within 8 hours of mixing **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution.

**Sterilex Ultra Disinfectant Cleaner Solution 1**, when mixed with Sterilex Ultra Activator Solution, is effective against the following viruses on hard, inanimate surfaces in one step at the concentrations listed in the table below, with a 10-minute contact time in the presence of 400 ppm hard water and organic soil.

### PED Virus

**Sterilex Ultra Disinfectant Cleaner Solution 1**, when mixed with Sterilex Ultra Activator Solution, is effective against Porcine Epidemic Diarrhea Virus (PEDv) on hard, inanimate surfaces at 12.8–16.0 fl oz of Sterilex Ultra Disinfectant Cleaner Solution 1 and 12.8–16.0 fl oz of Sterilex Ultra Activator Solution per gallon of water (1:1:10–1:1:8), or equivalent use dilution, with a 10-minute contact time in the presence of 400 ppm hard water. Remove gross soil from all areas, articles and surfaces to be disinfected using a pre-clean, pre-flush, or pre-scrape and, if necessary, presoak. Mix 12.8–16.0 fl oz of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 12.8–16.0 fl oz of Sterilex Ultra Activator Solution per gallon of water. Thoroughly wet surfaces by pouring, wiping, brushing, scrubbing, foaming, 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. Allow surfaces to remain wet for at least 10 minutes. Do not breathe spray. Rinse all food contact surfaces thoroughly with a potable water rinse. Use product within 8 hours of mixing **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution.

| Virus  | Concentration  |
|--|--|
| Feline calicivirus                                       | 12.8–16.0 oz of <b>Sterilex Ultra Disinfectant Cleaner Solution 1</b> and 12.8–16.0 oz of Sterilex Ultra Activator Solution per gallon of water (1:1:10–1:1:8) |
| Norovirus  |  |
| Rotavirus  |  |
| Newcastle Disease Virus                                  |  |
| Porcine Respiratory & Reproductive Syndrome (PRRS) Virus |  |



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## CONTROL OF NON-PUBLIC HEALTH, VEGETATIVE, SPORE-FORMING BACTERIA

To reduce the number of food spoilage non-public health microorganisms *Bacillus coagulans* (ATCC 7050), *Alicyclobacillus acidoterrestris* (ATCC 49025) and *Geobacillus stearothermophilus* (ATCC 7953), apply **Sterilex Ultra Disinfectant Cleaner Solution 1** and **Sterilex Ultra Activator Solution** as a disinfectant, per General One Step Disinfection and Cleaning Directions. Optionally, preclean surfaces per the Precleaning Instructions. Use product within 8 hours of mixing **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution.

## 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 6275) and the odors they cause on hard, non-porous surfaces in one step at 12.8–16.0 fl oz of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 12.8–16.0 fl oz Sterilex Ultra Activator Solution per gallon of water (1:1:10–1:1:8), or equivalent use dilution, according to the current AOAC Use-Dilution Test Method modified in the presence of 400 ppm hard water plus organic soil.

## GENERAL SANITIZATION DIRECTIONS

**Sterilex Ultra Disinfectant Cleaner Solution 1**, when mixed with Sterilex Ultra Activator Solution, reduces the following bacteria by 99.9% in 3 minutes according to the Standard Test Method for Efficacy of Sanitizers Recommended for Inanimate Non-Food Contact Surfaces:

*Enterobacter aerogenese* (ATCC 13048)  
*Staphylococcus aureus* (ATCC 6538)

### Sanitizing Directions for Non-Food Contact Surfaces:

Add 2–4 fl oz of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 2–4 fl oz of Sterilex Ultra Activator Solution to 1 gallon of water (1:1:64–1:1:32) (or equivalent use dilution) to sanitize hard, non-porous surfaces. Apply sanitizer use solution to pre-cleaned, hard, non-porous surfaces using a cloth, mop, sponge, sprayer or foaming device. Thoroughly wet surfaces by pouring, wiping, brushing, scrubbing, foaming, sponging, using a clean in place (CIP) system, pumping it through the system, drawing it through the system, mopping or by immersion. For sprayer applications, use a coarse pump or trigger sprayer. Spray 6–9 inches from surface. Do not breathe spray. Treated surfaces must remain wet for 3 minutes, then wipe with sponge, mop or cloth or allow to air dry. Use product within 8 hours of mixing **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution.

## FOGGING

**Sterilex Ultra Disinfectant Cleaner Solution 1**, when mixed with Sterilex Ultra Activator Solution, controls odors in hatcheries, farms, animal health facilities, food plants, and other use sites when applied at a rate of 2–16 fl oz **Sterilex Ultra Disinfectant Cleaner Solution 1** and 2–16 fl oz Sterilex Ultra Activator Solution per gallon of water.

People, animals, food products, and packaging material must be removed from the room/barn/building or carefully protected prior to fogging. All surfaces must be cleaned and disinfected in accordance with label directions prior to fogging. The area must be vacated of all personnel during fogging and for a minimum of 2 hours after fogging. All food contact surfaces must be thoroughly rinsed with potable water prior to reuse.

Fog desired areas using 1 gallon per 4000 cubic feet of room area with a solution containing 2–16 fl oz **Sterilex Ultra Disinfectant Cleaner Solution 1** and 2–16 fl oz Sterilex Ultra Activator Solution to 1 gallon of water (1:1:64–1:1:8), or equivalent use dilution, following fogger manufacturer's directions for use. Use product within 8 hours of mixing Sterilex Ultra Disinfectant Cleaner and Activator Solution.

**NOTE:** The fog generated is irritating to the eyes, skin and mucous membranes. No one is allowed to enter the room or building within two hours of the actual fogging under any circumstances. If the room or building must be entered, then the individuals must wear a self-contained respirator approved by NIOSH/MSHA, goggles, long sleeves and long pants. All surfaces must be cleaned and disinfected in accordance with label directions prior to fogging.

Do not use thermal foggers with this product.

## GENERAL DEODORIZATION DIRECTIONS

Apply **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution as a sanitizer, per General Sanitization Directions. Optionally, preclean surfaces per the Precleaning Instructions. Use product within 8 hours of mixing **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution.

**Sterilex Ultra Disinfectant Cleaner Solution 1**, when mixed with Sterilex Ultra Activator Solution, is for use on washable hard, nonporous surfaces in: federally inspected food processing facilities, federally inspected meat and poultry plants, wineries, breweries and beverage manufacturing facilities

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

- Steam sterilizer water reservoirs, steam sterilizer water reservoir tubing;
- Water reservoir tanks, water reservoir pipes, tanks, and piping systems used in food processing;
- Trench drains, floor drains and other visible drain surfaces;
- Floors, walls, countertops, stovetops, sinks, appliances, refrigerators (exteriors), plastic and other nonporous cutting boards and chopping blocks; coolers, ice chests; nonresidential 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, spiral freezers<sup>††</sup>, HVAC units, cooling coils, cooling tunnels, individual quick freezing (IQF) freezers<sup>††</sup>, refrigeration units, 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<sup>††</sup>, transfer line tubing, water lines, watering systems, farm animal nipple drinkers;
- Coils and drain pans of air conditioning and refrigeration equipment and heat pumps, conductive flooring;
- 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.

## Biofilm claims:

- Controls bacteria\* and biofilm found in harborage niches
- For control of biofilm found on hard, non-porous environmental surfaces including but not limited to floors, sink basins, drain covers, walls, and countertops.
- Meets biofilm efficacy performance standards



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- Kills and controls slime-forming bacteria
- Kills and controls a minimum of 99.9999% of bacteria\* in biofilms
- Penetrates biofilm matrix and biofilms found in harborage niches, killing the pathogenic bacteria\* living there
- Kills biofilm bacteria\* on non-food contact surfaces

\**Pseudomonas aeruginosa* and *Staphylococcus aureus*

## General claims:

- Germicide, antibacterial, antifungal and bactericidal
- Kills germs, bacteria, and viruses<sup>§</sup> within 10 minutes
- Highly effective, economical and convenient germicide
- Effective against mycotoxin-producing molds
- Quick and effective deodorizer
- Disinfects and deodorized by killing germs and their odors
- Essential institutional item
- Does not require hot water to work
- Effective against spoilage microorganisms<sup>†</sup> that can adversely affect product quality
- <sup>†</sup>For a list of organisms, see directions for use.
- Deep and powerful cleaning benefits
- Deep cleaner
- Makes cleaning easy
- Versatile, multi-purpose cleaner
- Concentrated foam to clean
- Helps reduce cross contamination on treated surfaces
- Cost-effective disinfectant
- **Sterilex Ultra Disinfectant Cleaner Solution 1**, when mixed with Sterilex Ultra Activator Solution, kills household germs in ten minutes; effective against harmful *Streptococcus pyogenes* (*Strep*), *Pseudomonas aeruginosa* (*Pseudomonas*), *Staphylococcus aureus* (*Staph*) while effectively controlling mold and mildew.
- **Sterilex Ultra Disinfectant Cleaner Solution 1**, when mixed with Sterilex Ultra Activator Solution, clean, disinfects and deodorizes surfaces by killing odor-causing microorganisms and preventing growth of mold and mildew.
- **Sterilex Ultra Disinfectant Cleaner Solution 1**, when mixed with Sterilex Ultra Activator Solution, kills food borne pathogens in ten minutes<sup>‡</sup>;
- <sup>‡</sup> Effective against *Streptococcus pyogenes* (*Strep*), *E. coli*, *Listeria monocytogenes* and *Salmonella enterica*
- **Sterilex Ultra Disinfectant Cleaner Solution 1**, when mixed with Sterilex Ultra Activator Solution, eliminates odors caused by bacteria, mildew, and non-fresh foods.

## DISINFECTION AND SANITIZATION OF FOOD PROCESSING EQUIPMENT AND HARD SURFACES IN FOOD PROCESSING FACILITIES, BREWERIES, WINERIES AND OTHER BEVERAGE MANUFACTURING FACILITIES

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.

Apply **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution as a disinfectant, per General One Step Disinfection and Cleaning Directions, or as a sanitizer, per General Sanitization Directions. Optionally, preclean surfaces per the Precleaning Instructions. Rinse food contact surfaces with potable water before reuse. Use product within 8 hours of mixing **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution.

## DISINFECTION AND SANITIZATION OF SPIRAL FREEZERS, COOLING UNITS, COOLING TUNNELS, EVAPORATIVE CONDENSERS, REFRIDGERATED TRUCKS, INDIVIDUAL QUICK FREEZING (IQF) FREEZERS, AND OTHER COIL SURFACES

Apply **Sterilex Ultra Disinfectant Cleaner Solution 1** and Ultra Soft Metal Activator as a disinfectant, per General One Step Disinfection and Cleaning Directions, or as a sanitizer, per General Sanitization Directions. Optionally, preclean surfaces per the Precleaning Instructions. Use product within 8 hours of mixing **Sterilex Ultra Disinfectant Cleaner Solution 1** and Ultra Soft Metal Activator. Surfaces must be defrosted prior to application.

## DISINFECTION AND SANITIZATION OF DRAINS, TRENCH DRAINS, FLOOR DRAINS AND OTHER HARD, NON-POROUS DRAIN SURFACES

Apply **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution as a disinfectant, per General One Step Disinfection and Cleaning Directions, or as a sanitizer, per General Sanitization Directions. Optionally, preclean surfaces per the Precleaning Instructions. If high foam is desired, refer to High Foam Application Instructions. Use product within 8 hours of mixing **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution.

(For food processing or other facilities that have installed entryway sanitizing systems)

## ENTRYWAY SANITIZING SYSTEMS

Set the entryway system to apply 2–6 fl oz of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 2–6 fl oz of Sterilex Ultra Activator Solution per gallon of water (1:1:64–1:1:8) or equivalent use dilution. The entire doorway path must be covered with the spray. Ensure a continuous wet blanket of sanitizer solution is delivered to the floor (bath).

## SANITIZATION OF HARD, NON-POROUS INANIMATE SURFACES ON PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mix 2–4 fl oz of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 2–4 fl oz of Sterilex Ultra Activator Solution per 1 gallon of water (1:1:64–1:1:32) or equivalent use dilution. Gently mix for uniform solution. Apply solution to hard, non-porous inanimate surfaces of the Personal Protective Equipment (PPE) with a brush, cloth, mop, sponge, auto scrubber, spray, foam or by immersion. Thoroughly wet all surfaces to be sanitized. Treated surfaces must remain wet for three (3) minutes. Remove excess solution from equipment prior to storage. Change cloth, sponge or towels frequently to avoid redeposition of soil. Prepare a fresh solution at least daily or more often if use solution becomes visibly dirty.



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## SHOE FOAM DIRECTIONS

Apply a foam layer that is approximately 0.5–2 inches thick at all entrances using a foam generating machine or aerator and a solution containing 2–16 fl oz of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 2–16 fl oz of Sterilex Ultra Activator Solution per gallon of water (1:1.64–1:1.8) or equivalent use dilution. Scrape waterproof shoes and boots. Walk through foamed. Boots must remain wet for at least 3 minutes. Foam entranceways must be washed and the foam replaced at least daily or when it foam/area appears dirty. Apply foam to entrances of buildings, hatcheries, production and packaging rooms to reduce cross contamination from area to area in the packaging and storage areas of food plants.

## Animal Health

### Animal Health Marketing Claims

- Reduces cross-contamination and spread of germs in high traffic areas
- Helps reduce the spread of the flu, animal and avian viruses<sup>§</sup> in food plant animal health facilities
  - §Influenza A virus
- Helps reduce cross contamination on treated surfaces
- Nipple drinker lubricant
- Disinfects and lubricates nipple drinkers
- Regular use of this product in the sanitation and disinfection of chicken houses, brooders, and other poultry equipment helps reduce the spread of the flu, animal, and avian viruses<sup>§</sup>
  - §Influenza A virus
- Glutaraldehyde Free Cleaner

**Sterilex Ultra Disinfectant Cleaner Solution 1**, when mixed with Sterilex Ultra Activator Solution, is for use on washable hard, nonporous surfaces in: federally inspected meat and poultry plants, dairy farms, swine farms, poultry and turkey farms, farm premises, hatcheries, brooders, refrigerated trucks<sup>††</sup>, kennels, pet animal quarters, zoos, pet shops, animal laboratories, veterinary facilities and animal care facilities

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

Kennel runs, nest pads, 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, trucks, reapers, poultry buildings, ceilings, sidewalls and floors, drinkers and other poultry house related equipment;

## DISINFECTION AND SANITIZATION 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, ANIMAL PREMISES AND SICK ANIMAL BARN

Remove all animals and feed from premises/room/barn/building, vehicles, and enclosures. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes, and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Optionally, preclean surfaces per the Precleaning Instructions. Saturate all surfaces with a solution of **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution as a disinfectant, per General One Step Disinfection and Cleaning Directions, or as a sanitizer, per General Sanitization Directions. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure. Ventilate buildings, cars, boats, and other closed spaces. Allow to air dry. Do not house livestock or employ equipment until treatment has been absorbed, set, or dried. Rinse food contact surfaces with potable water before reuse. Use product within 8 hours of mixing Sterilex Ultra Disinfectant Cleaner and Activator Solution.

## DISINFECTION OF POULTRY PREMISES, POULTRY EQUIPMENT, BROODERS AND HATCHERIES

Remove all poultry and feeds from premises, trucks, coops, and crates. Remove all litter and droppings from floors, walls and surfaces of facilities occupied or traversed by poultry. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Optionally, preclean surfaces per the Precleaning Instructions. Saturate all surfaces with a solution of **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution as a disinfectant, per General One Step Disinfection and Cleaning Directions, or as a sanitizer, per General Sanitization Directions. Ventilate buildings, coops, and other closed spaces. Allow to air dry. Do not house poultry or employ equipment until treatment has been absorbed, set, or dried. Rinse food contact surfaces with potable water before reuse.

Use product within 8 hours of mixing **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution.

## DISINFECTION AND BIOFILM REMOVAL\* IN NON-POROUS ANIMAL DRINKING LINES

This product can be used to disinfect and remove biofilm\* in tanks, pumps or medicators used to deliver the product, piping and tubing associated with water lines in animal, livestock and poultry housing facilities. The water lines can be used for delivering drinking water, air chiller water and cooling spray lines. Prior to use in the water lines, remove all animals, livestock or birds from premises. Do not reintroduce animals, livestock or birds until treatment is complete and water lines have been thoroughly rinsed with potable water.

Ensure all animals are removed from the premises. Apply disinfecting solution to the lines by adding 12.8–16.0 fl oz of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 12.8–16.0 fl oz of Sterilex Ultra Activator Solution per gallon of water (1:1.10–1:1.8), or equivalent use dilution, to the drinking water system. Fill the system by pumping it through the system, or drawing it through the system. Make sure there is enough solution to fill the lines. Trigger drinkers to ensure solution flows over the nipple. If a drinker is not working, continue to



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trigger it until water flows freely. Allow surfaces to remain wet for at least 10 minutes. Flush system thoroughly with a potable water rinse.

Use product within 8 hours of mixing **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution.

\*Biofilm removal claim is not approved in California. Biofilm removal claim for non-public health uses only.

## SANITIZING AND BIOFILM REMOVAL\* IN NON-PORUS ANIMAL DRINKING LINES

This product can be used to sanitize and remove biofilms\* found in tanks, pumps or medicators used to deliver the product, piping and tubing associated with water lines in animal, livestock and poultry housing facilities. The water lines can be used for delivering drinking water, air chiller water and cooling spray lines. Prior to use in the water lines, remove all animals, livestock or birds from premises. Do not reintroduce animals, livestock or birds until treatment is complete and water lines have been thoroughly rinsed with potable water.

Ensure all animals are removed from the premises. Apply sanitizing solution to the lines by adding 2–4 fl oz of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 2–4 fl oz of Sterilex Ultra Activator Solution per gallon of water (1:1:64–1:1:32), or equivalent use dilution, to the drinking water system. Fill the system pumping it through the system, or drawing it through the system. Make sure there is enough solution to fill the lines. Trigger drinkers to ensure solution flows over the nipple. If a drinker is not working, continue to trigger it until water flows freely. Allow surfaces to remain wet for at least 3 minutes. Flush system thoroughly with a potable water rinse.

Use product within 8 hours of mixing **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution.

\*Biofilm removal claim is not approved in California. Biofilm removal claim for non-public health uses only.

**Commercial AGRICULTURAL OR INDUSTRIAL water system injection for the oxidation of odors when they form:** In well systems, **Sterilex Ultra Disinfectant Cleaner Solution 1** is injected with a peristaltic pump through a ¼ inch plastic tube (or other comparable injection system) inserted into the well all the way to the well intake screens. The most distant faucet is tested with a supplied test strip until a residual of 20–25 ppm hydrogen peroxide is detected indicating that the system has been thoroughly treated. The injection pump should then be adjusted to deliver 25 ppm on a consistent basis to the water system. When treating the watering system for sick animals, the most distant faucet is tested with a test strip until a residual of 100–1,000 ppm hydrogen peroxide is detected indicating that the system has been thoroughly treated. When this level is reached the injection is immediately reduced until the test strip indicates the 25 ppm is reached and the system is maintained at the 25 ppm level. This process can be repeated monthly to ensure a clean water system and avoid screen clogging.

## DISINFECTION AND SANITIZATION IN VEHICLES

Apply **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution as a disinfectant, per General One Step Disinfection and Cleaning Directions, or as a sanitizer,

per General Sanitization Directions. Optionally, preclean surfaces per the Precleaning Instructions. Use product within 8 hours of mixing **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution.

## Industrial Water & Whirlpool Spas

### FOR PRECLEANING OF WHIRLPOOL BATHTUBS, JACUZZIS, SPAS, POOLS, AND FOOTBATHS

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 gallon tap water, or equivalent use dilution, through tub, spa, pool, or bath and associated piping and filters at a temperature  $\geq 90^{\circ}\text{F}$  ( $32.2^{\circ}\text{C}$ ). Drain tub, spa, pool, or bath and rinse with water.

### CLEANING AND DISINFECTION OF WHIRLPOOL BATHTUBS, JACUZZIS, SPAS, POOLS, AND FOOTBATHS

After using unit, drain and fill with a use solution of 12.8–16.0 fl oz of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 12.8–16.0 fl oz of Sterilex Ultra Activator Solution per gallon of water (1:1:10–1:1:8), or equivalent use dilution, to just cover the intake valve. Start the pump to circulate the solution. Wash down the unit sides, seat of the chair lift, and any related equipment with a clean swab, brush or sponge. Treated surfaces must remain wet for a minimum of 10 minutes. After the unit has been thoroughly disinfected, drain the solution from the unit and rinse disinfected surfaces with fresh water. Repeat for heavily soiled units. Use product within 8 hours of mixing **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution.

## Institutional and General Purpose Uses

**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, 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);

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;



# STERILEX® ULTRA DISINFECTANT CLEANER SOLUTION 1

## DISINFECTION AND SANITIZATION 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.

Apply **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution as a disinfectant, per General One Step Disinfection and Cleaning Directions, or as a sanitizer, per General Sanitization Directions. Optionally, preclean surfaces per the Precleaning Instructions. Use product within 8 hours of mixing **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution.

### INSTRUMENT PRE-SOAK

For use as an instrument pre-soak, prepare a solution by adding 12.8–16.0 fl oz of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 12.8–16.0 fl oz of Sterilex Ultra Activator Solution to per gallon tap water (1:1:10–1:1:8), or equivalent use dilution, in an appropriate plastic container 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. Use product within 8 hours of mixing **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution.

## DISINFECTION AND SANITIZATION INSTITUTIONS, INDUSTRIAL FACILITIES, SCHOOLS/COLLEGES, ATHLETIC FACILITIES, PLAY AREAS, REST ROOMS, HOTELS, MOTELS, OFFICE BUILDINGS AND OTHER PUBLIC AREAS, AND HOUSEHOLDS

Apply **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution as a disinfectant, per General One Step Disinfection and Cleaning Directions, or as a sanitizer, per General Sanitization Directions. Optionally, preclean surfaces per the Precleaning Instructions. Use product within 8 hours of mixing **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution.

## GENERAL CLEANING AND DISINFECTION OF POTABLE WATER, FOUNTAIN DRINK OR BEVERAGE PREPARATION, STORAGE, TRANSFER AND DISPENSING EQUIPMENT

Confirm compatibility of Storage, Transfer and Dispensing equipment before use of this product.

Prepare enough solution to complete fill storage, transfer and dispensing equipment by adding 12.8–16.0 fl oz of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 12.8–16.0 fl oz of Sterilex Ultra Activator Solution to 1 gallon tap water (1:1:10–1:1:8) or equivalent use dilution, in an appropriate container and stir. Completely fill storage, transfer and

dispensing equipment with the prepared solution. Allow the mixture to remain in contact with the surfaces of the storage, transfer and dispensing equipment for at least 10 minutes. Drain storage, transfer and dispensing equipment. Rinse storage, transfer and dispensing equipment with potable water.

## Biocide and Non-Public Health Uses

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

- Penetrates and removes biofilm and other organic contaminants
- For use as a bactericide, slimecidic, mildewstat and algicide
- Controls mold and mildew

## RECIRCULATING COOLING WATER SYSTEMS, INCLUDING COOLING TOWERS, EVAPORATIVE CONDENSERS, EVAPORATIVE COOL CELLS, DAIRY SWEET WATER SYSTEMS AND BREWERY PASTEURIZERS

Effectively removes and controls biofilm, slime, fungi, algae and other organic contaminants in dairy sweet water systems and brewery pasteurizers.

(Biofilm claim not approved in California)

### DOSAGE RATES

#### Initial Dose for badly fouled systems:

Add 0.5–4 gallons (500–4000 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, optionally 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 5–64 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, optionally add Sterilex Ultra Activator Solution at the rate of 1 to 3 times the volume of **Sterilex Ultra Disinfectant Cleaner Solution 1**) are 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. Make slug additions 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 1–20 fl 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, slime, odor, algae 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.

(Biofilm and biocidal claims not approved in California)



# STERILEX® ULTRA DISINFECTANT CLEANER SOLUTION 1

## DOSAGE RATES

### Initial Dose for badly fouled systems:

Add 3–16 gallons (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, optionally 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 0.4–2 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, optionally add 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 oz to 50 gallons (65–3100 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, optionally add Sterilex Ultra Activator Solution at the rate of 1 to 3 times the volume of **Sterilex Ultra Disinfectant Cleaner Solution 1**) are 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 1–20 fl 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, optionally add 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, slime, algae, odor and other organic contaminants in Industrial Water Scrubbing Systems.

(Biofilm and biocidal claims not approved in California)

## DOSAGE RATES

### Initial Dose for badly fouled systems:

Add 3–16 gallons (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, optionally 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 0.4–2 fl oz **Sterilex Ultra Disinfectant Cleaner Solution 1** (and if cleaning is desired or the pH of the system is below 8, optionally add 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 fl oz to 3 gallons (225–3100 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, optionally add Sterilex Ultra Activator Solution at the rate of 1 to 3 times the volume of **Sterilex Ultra Disinfectant Cleaner Solution 1** are 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. Make slug additions in the sump of Industrial Water Scrubbing Systems.

## DYE MACHINES

Effectively removes and controls biofilm, slime, algae, odor and other organic contaminants in Textile Dyeing Machines.

(Biofilm and biocidal claims not approved in California)

## DOSAGE RATES

Add 16–40 gallons (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, optionally 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 2–5 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.

(Biofilm and biocidal claims not approved in California)

## DOSAGE RATES

### Initial Dose for badly fouled systems:

Prepare a mixture of 2–5 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, optionally 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 2–5 fl oz of **Sterilex Ultra Disinfectant Cleaner Solution 1** (and if cleaning is desired or the pH of the system is below 8, optionally add 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 5–50 fl oz (40–406 ppm) **Sterilex Ultra Disinfectant Cleaner Solution 1** (and if cleaning is desired or the pH of the mixture is below 8, optionally add 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 are 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, WATERLINES AND INDUSTRIAL EQUIPMENT USED TO STORE AND CONVEY INDUSTRIAL OR COMMERCIAL WATER OR AQUEOUS MIXTURES

Do Not Use in equipment that will contact food. Effectively removes and controls biofilm, slime, algae, odor and other organic contaminants in Tanks, Piping, Waterlines and Industrial Equipment used to store and convey Industrial Process Water or Aqueous Mixtures.

(Biofilm and biocidal claims not approved in California)





# STERILEX® ULTRA DISINFECTANT CLEANER SOLUTION 1

## DOSAGE RATES

### Dose for badly fouled systems:

Fill equipment as completely as possible with a solution of 8–80 gallons (8215–70000 ppm) of **Sterilex Ultra Disinfectant Cleaner Solution 1** (and if cleaning is desired or the pH of the mixture is below 8, optionally add 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 (or equivalent use dilution). Circulate and then drain system. Rinse system thoroughly. If necessary, apply a solution containing 1–10 fl oz **Sterilex Ultra Disinfectant Cleaner Solution 1** (and if cleaning is desired or the pH of the mixture is below 8, optionally add 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 5–8 gallons (40–8215 ppm) **Sterilex Ultra Disinfectant Cleaner Solution 1** (and if cleaning is desired or the pH of the mixture is below 8, optionally add 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 (or equivalent use dilution) are 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.

## BIOFILM REMOVAL IN ANIMAL DRINKING LINES

This product can be used to clean and remove biofilms found in tanks, pumps or medicators used to deliver the product, piping and tubing associated with water lines in animal, livestock and poultry housing facilities. The water lines can be used for delivering drinking water, air chiller water and cooling spray lines. Prior to use in the water lines, remove all animals, livestock or birds from premises. Do not reintroduce animals, livestock or birds until treatment is complete and water lines have been thoroughly rinsed with potable water.

Ensure all animals are removed from the premises. Apply solution to the lines by adding 1.0–16.0 fl oz of **Sterilex Ultra Disinfectant Cleaner Solution 1** and 1.0–16.0 fl oz of Sterilex Ultra Activator Solution per gallon of water (1:1:128–1:1:8), or equivalent use dilution, to the drinking water system. Fill the system by pumping it through the system or drawing it through the system. Make sure there is enough solution to fill the lines. Trigger drinkers to ensure solution flows over the nipple. If a drinker is not working, continue to trigger it until water flows freely. Allow surfaces to remain wet for at least 3 minutes. Flush system thoroughly with a potable water rinse.

Use product within 8 hours of mixing **Sterilex Ultra Disinfectant Cleaner Solution 1** and Sterilex Ultra Activator Solution.

Biofilm removal claim is not approved in California.

## WATER SUPPLY SYSTEMS (WATERLINES) NOT USED IN FOOD PROCESSING, FOR HUMAN DRINKING WATER OR DENTAL LINES

Effectively removes and controls biofilm, slime, algae, odor and other organic contaminants in Tanks, Filters and Piping used to store and convey water.

(Biofilm and biocidal claims not approved in California)

## DOSAGE RATES

Add 3–100 gallons (3100–86361 ppm) of **Sterilex Ultra Disinfectant Cleaner Solution 1** and if cleaning is desired or the pH of the mixture is below 8, optionally add 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 (or equivalent use dilution). Circulate for at least one hour and then drain system. Rinse system thoroughly. If necessary, apply a solution containing 0.4–2 fl oz **Sterilex Ultra Disinfectant Cleaner Solution 1** (and if cleaning is desired or the pH of the system is below 8, optionally add 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.

## DRAINS

Effectively removes and controls plugging and odors caused by accumulation of biofilm and other organic contaminants in drains. Prevents stoppage and odors. (Biofilm and biocidal claims not approved in California). See Disinfection and Sanitization of Drains, Trench Drains, Floor Drains and other hard, non-porous drain surfaces instructions for drain use instructions 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 6–15 fl oz **Sterilex Ultra Disinfectant Cleaner Solution 1** per gallon of water to drain. Repeat until control is evident. Optionally, pour from 1 fl oz **Sterilex Ultra Disinfectant Cleaner Solution 1** around or into one-inch diameter or smaller drains up to 90 fl oz **Sterilex Ultra Disinfectant Cleaner Solution 1** around or into three-inch diameter drains. If cleaning is desired, add simultaneously Sterilex Ultra Activator Solution at the same volume as **Sterilex Ultra Disinfectant Cleaner Solution 1** (1–90 fl oz). For foam cleaning, add 6–15 fl oz **Sterilex Ultra Disinfectant Cleaner Solution 1** and an equal amount of Sterilex Ultra Activator Solution 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 **Sterilex Ultra Disinfectant Cleaner Solution 1** per gallon of water are 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 Sterilex Ultra Activator Solution at the same volume as **Sterilex Ultra Disinfectant Cleaner Solution 1** (1–6 fl oz) per gallon of water. Optionally, subsequent additions of 1–6 fl oz **Sterilex Ultra Disinfectant Cleaner Solution 1** into one-inch diameter or smaller drains up to 6 fl oz **Sterilex Ultra Disinfectant Cleaner Solution 1** into three-inch diameter drains, are employed every 7 days or as needed. If cleaning is desired, add simultaneously Sterilex Ultra Activator Solution at the same volume as **Sterilex Ultra Disinfectant Cleaner Solution 1** (1–6 fl oz). For foam cleaning, add 1–6 oz **Sterilex Ultra Disinfectant Cleaner Solution 1** and an equal amount of Sterilex Ultra Activator Solution per gallon of water to a foaming device and foam the mixture into the drain.

## 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 gallon tap water through tub and associated piping and filters at a temperature  $\geq 90^{\circ}\text{F}$ .



# STERILEX® ULTRA DISINFECTANT CLEANER SOLUTION 1

## WHIRLPOOL BATHTUB, JACUZZI, SPA, POOL, AND FOOTBATH WATER SYSTEMS

Effectively removes and controls biofilm, slime, mildew, odor and other organic contaminants in whirlpool bathtub, Jacuzzi, spa, pool, and footbath water systems.

(Biofilm and biocidal claims not approved in California)

### DOSAGE RATES

#### Initial Dose for badly fouled systems:

After using unit, drain and fill with a use solution of 4–80 gallons (4000–70000 ppm) of **Sterilex Ultra Disinfectant Cleaner Solution 1** (and if cleaning is desired or the pH of the mixture is below 8, optionally add 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 to just cover the intake valve. Start the pump to circulate the solution. Circulate and then drain system. Rinse system thoroughly. If necessary, apply a solution containing 1–10 fl oz **Sterilex Ultra Disinfectant Cleaner Solution 1** (and if cleaning is desired or the pH of the mixture is below 8, optionally add 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:

After using unit, drain and fill with a use solution of 5 fl oz to 4 gallons (40–4000 ppm) of **Sterilex Ultra Disinfectant Cleaner Solution 1** (and if cleaning is desired or the pH of the mixture is below 8, optionally add 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 to just cover the intake valve. Start the pump to circulate the solution. Circulate and then drain system. Rinse system thoroughly. If necessary, apply a solution containing 1–10 fl oz **Sterilex Ultra Disinfectant Cleaner Solution 1** (and if cleaning is desired or the pH of the mixture is below 8, optionally add 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.