STERILEX
Innovative Solutions for Microbial Control

Sterilex Ultra CIP
For disinfector and public health use sites, this is part of a two-part product and must be used with Sterilex Ultra Activator Solution.
For biocidal and non-public health use sites, the use of Sterilex Ultra Activator Solution may not be required.

Using patented PerQuat® technology
One-Step Disinfector • Cleaner • Sanitizer
Staphylococcal – Pseudomonacidal – Salmonellacidal – Listeriacidal – Virucidal – Fungistat/Alkalichistat
Effective against mycotoxin producing molds

Kills/inactivates: E. coli
Avian Influenza
Zygococcus bailii
Aspergillus niger
Enterobacter sagenes

Please consult the directions for use for specific instructions.

Active Ingredients:
- n-Alkyl(C12 60%, C12 30%, C12 5%, C10 5%) dimethylbenzylammonium chloride 3.00%
- n-Alkyl(C12 68%, C12 32%) dimethylhexylbenzylammonium chloride 3.00%
Hydrogen Peroxide
6.30%
Inert Ingredients
57.70%
TOTAL
100.00%

KEEP OUT OF REACH OF CHILDREN

DANGER
SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

FIRST AID
IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes.
IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

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

Call 1-800-314-1867 or 463-541-8800 for Technical Information.
NET CONTENTS 5 GALLONS

DIRECTIONS FOR USE – See Directions for Use Booklet
It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For disinfector and public health use sites, this is part of a two-part product and must be used with Sterilex Ultra Activator Solution. For biocidal and non-public health use sites, the use of Sterilex Ultra Activator Solution may not be required. Please consult the directions for use for specific instructions.

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

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

PHYSICAL AND CHEMICAL HAZARDS: When exposed to fire, Sterilex Ultra CIP may release oxygen and oxides of carbon and/or nitrogen.

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

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

PESTICIDE DISPOSAL: Pesticide wastes are acute hazardous. Improper disposal of excess pesticide, spray mixture or rinseate 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 containers. Do not reuse or refill these containers. Offer for recycling, if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. If puncture cannot be used, follow pesticide disposal instructions. If not tempted these containers are acute hazardous wastes and must be disposed of in accordance with local, state and federal regulations. Triple rinse or pressure wash container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/2 full with water and recap. Shake for 10 seconds. Pour rinse into application equipment or mix tank or store rinseate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

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 rinseate 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.

Manufactured for:
Sterilex Corporation
111 Lake Front Drive
Hunt Valley, MD 21030-2216

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**STERILEX**

Innovative Solutions for Microbial Control

**Sterilex Ultra CIP**
(EPA No. 63761-8)

**DIRECTIONS FOR USE BOOKLET**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
For disinfectant and public health use sites, this is part one of a two-part product and must be used with Sterilex Ultra Activator Solution.
For Biocide and non-public health use sites, the use of Sterilex Ultra Activator Solution may not be required.

Please consult the directions for use for specific instructions.

**DISINFECTION:** Sterilex Ultra CIP, when mixed with Sterilex Ultra Activator Solution, is a one-step, hospital-use disinfectant at 12.8 fl oz. (each, Solution 1 & Solution 2) per gallon of water (1:1:10). Bactericidal according to the current AOAC Use-Dilution Test Method modified in the presence of 400 ppm hard water plus 5% organic serum against *Pseudomonas aeruginosa (Pseudomonas)* (ATCC# 15442), *Staphylococcus aureus (Staph)* (ATCC# 6538), *Staphylococcus aureus – Methicillin Resistant* (ATCC# 29213), *Salmonella enterica (Salmonella)* (ATCC# 10708), *Escherichia coli* 0157:H7 (ATCC# 35150), *Listeria monocytogenes* (ATCC# 19111)

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

**VIRUS:** Sterilex Ultra CIP, when mixed with Sterilex Ultra Activator Solution is effective against Avian Influenza A (H3N2: Avian Reassortant) on hard, inanimate surfaces in one step at 2 fl oz. (each, Solution 1 & Solution 2) per gallon of water (1:1:94), with a 5 minute contact time in the presence of 400 ppm hard water and organic soil. Apply as directed under disinfection.

**FUNGI/STAT/MILDEWSTAT:** Sterilex Ultra CIP, when mixed with Sterilex Ultra Activator Solution controls the growth of mold and mildew organisms (Aspergillus niger, ATCC#15040) and the odors they cause on hard, non-porous surfaces in one step at 12.8 fl oz. (each, Solution 1 & Solution 2) per gallon of water (1:1:10) according to the current AOAC Use-Dilution Test Method modified in the presence of 400 ppm hard water plus 5% organic serum. Apply as directed under disinfection.

**SANITIZING OF INANIMATE SURFACES:** Sterilex Ultra CIP, 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 aerogenes* (ATCC 13048), *Staphylococcus aureus* (ATCC 6538).

Sterilex Ultra CIP, 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, beverage manufacturing facilities, dairy farms, swine farms, poultry and turkey farms, farm premises, hatcheries, refrigerated trucks, kennels, pet animal quarters, zoos, animal care facilities, transportation terminals, hotels and motels, factories, business and office buildings.

Sterilex Ultra CIP, 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; 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 lines tubing, water lines, watering systems, farm animal nipple drinkers; waterers and feeders, automatic feeders, hauling equipment, dressing plants, 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; colls and drain pans of air conditioning and refrigeration equipment and heat pumps, conductive flooring.

**GENERAL CLEANING AND DISINFECTION: APPLICATION INSTRUCTIONS:** 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 ounces (378.5 ml) of Sterilex Ultra CIP and 12.8 ounces (378.5 ml) of Sterilex Ultra Activator Solution to 1 gal. (3.78 L) of water. Thoroughly wet surfaces by using a clean in place (CIP) system, pumping it through the system. Allow surfaces to remain wet for at least 10 minutes. Do not breathe spray. Rinse all surfaces thoroughly with a potable water rinse. Use product within 24 hours of mixing Sterilex Ultra CIP and Activator Solution.

**PRECLEANING INSTRUCTIONS (OPTIONAL STEP):** Although Sterilex Ultra CIP 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 - 6 fl. oz. of Sterilex Ultra CIP and an equivalent amount of Sterilex Ultra Activator Solution to 1 gal. hot tap water in an appropriate plastic container, depending on the level of gross soil to be precleaned. Clean surfaces with precleaning solution by using a clean in place (CIP) system, pumping it through the system. Rinse all surfaces thoroughly with a potable water rinse.

**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 fl. oz. of Sterilex Ultra CIP and 12.8 fl. oz. of Sterilex Ultra Activator Solution to 1 gal. tap water in an appropriate container and stir. Completely fill storage, transfer and dispensing equipment with the prepared solution. Allow the Sterilex Ultra 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.

**PRECLEANING INSTRUCTIONS (OPTIONAL STEP):** Although Sterilex Ultra CIP 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 - 6 fl. oz. of Sterilex Ultra CIP and an equivalent amount of Sterilex Ultra Activator Solution to 1 gal. hot tap water in an appropriate plastic container, depending on the level of gross soil to be precleaned. Clean surfaces with precleaning solution by pouring, wiping, brushing, scrubbing, foaming, spraying with a
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(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 surfaces thoroughly with a potable water rinse.

SANITIZING DIRECTIONS FOR NON-FOOD CONTACT SURFACES: Add 2 fl. oz. (59 mL) of Sterilex Ultra CIP and 2 fl. oz. (59 mL) of Sterilex Ultra Activator Solution to 1 gallon (3.78 L) of water (or equivalent use dilution) to sanitize hard, non-porous surfaces. Apply sanitizer use solution to pre-cleaned, hard, non-porous surfaces with a cloth, mop, sponge, sprayer, foam or by immersion. For sprayer applications, use a coarse pump or trigger sprayer. Spray 6-9 inches (15-22 cm) from surface and rub with brush sponge or cloth. 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 24 hours of mixing Sterilex Ultra CIP and Activator Solution.

DISINFECTING OF WHIRLPOOL BATHTUBS, JACUZZIS, SPAS, POOLS, AND FOOTBATHS: After using unit, drain and fill with a use solution of 12.8 fl. oz. of Sterilex Ultra CIP and 12.8 fl. oz. of Sterilex Ultra Activator Solution per 1 gal tap water 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.

FOR PRECLEANING OF WHIRLPOOL BATHTUBS, JACUZZIS, SPAS, POOLS, AND FOOTBATHS: Circulate a solution of 0.5 fl. oz. Sterilex Ultra CIP and 0.5 fl. oz. of Sterilex Ultra Activator Solution per 1 gal tap water through tub, spa, pool, or bath and associated piping and filters at a temperature of 90°F. Drain tub, spa, pool, or bath and rinse with water.

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 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: Remove gross food particles and soil from all articles using a pre-flush, or pre-scraps and, if necessary, pre-soak. Add 12.8 fl. oz. of Sterilex Ultra CIP and 12.8 fl. oz. of Sterilex Ultra Activator Solution to 1 gal tap water in an appropriate plastic container and stir. Thoroughly wet surfaces with use-solution by using a clean in place (CIP) system, pumping it through the system or drawing it through the system. Allow surfaces to remain wet for at least 10 minutes. Rinse all surfaces thoroughly with a potable water rinse. Use product within 24 hours of mixing Sterilex Ultra CIP and Activator Solution.

PRECLEANING INSTRUCTIONS (OPTIONAL STEP): Although Sterilex Ultra CIP provides one-step cleaning and disinfection, precleaning may be desired for some surfaces in certain cases. Prepare a precleaning solution by adding 3 - 6 fl. oz. of Sterilex Ultra CIP and an equivalent amount of Sterilex Ultra Activator Solution to 1 gal. hot tap water in an appropriate plastic container, depending on the level of gross filth to be precleaned. 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. Before disinfecting rinse all surfaces thoroughly with a potable water rinse. Use product within 24 hours of mixing Sterilex Ultra CIP and Activator Solution.

APPLICATION INSTRUCTIONS FOR TRANSFER LINES: Add 12.8 fl. oz. of Sterilex Ultra CIP and 12.8 fl. oz. of Sterilex Ultra Activator Solution to 1 gal tap water in an appropriate plastic container and stir. Introduce use solution into transfer lines and tanks. Soak or circulate use solution for at least 10 minutes. Drain transfer lines. Rinse all surfaces thoroughly with a potable water rinse. Use product within 24 hours of mixing Sterilex Ultra CIP and Activator Solution.

PREPARATION OF NON-FOOD CONTACT SANITIZER USE SOLUTION: For heavily soiled areas, a preliminary cleaning is required. Mix 2 fl. oz. (59 mL) of Sterilex Ultra CIP and 2 fl. oz. (59 mL) of Sterilex Ultra Activator Solution per 1 gallon (3.78 L) of water (or equivalent use dilution). Apply sanitizer use solution to hard, nonporous non-food contact surfaces with a brush, cloth, mop, sponge, auto scrubber, sprayer, coarse pump, foam, circulation or by immersion so as to thoroughly wet surface to be sanitized. For sprayer applications, spray 6-8 inches from surface. Do not breathe spray. Rub with brush, cloth, sponge, mop or cloth or allow to air dry. Treated surfaces must remain wet for 3 minutes. Use product within 24 hours of mixing Sterilex Ultra CIP and Activator Solution.

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 PREMISES EQUIPMENT, SWINE PREMISES EQUIPMENT. Remove all animals and feed from premises, vehicles, and enclosures. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes, and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water or follow PRECLEANING INSTRUCTIONS below. Saturate all surfaces with a solution prepared by adding 12.8 fl. oz. of Sterilex Ultra CIP and 12.8 fl. oz. of Sterilex Ultra Activator Solution to 1 gal tap water in an appropriate plastic container and stir. Thoroughly wet surfaces with use-solution by using a clean in place (CIP) system, pumping it through the system or drawing it through the system. 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. Allow surfaces to remain wet for at least 10 minutes. Rinse all surfaces thoroughly with a potable water rinse. Ventilate buildings, cars, boats, and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set, or dried. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains, and waterers with soap or detergent, and rinse with potable water before reuse. Use product within 24 hours of mixing Sterilex Ultra CIP and Activator Solution.

APPLICATION INSTRUCTIONS FOR TRANSFER LINES: Add 12.8 fl. oz. of Sterilex Ultra CIP and 12.8 fl. oz. of Sterilex Ultra Activator Solution to 1 gal tap water in an appropriate plastic container and stir. Introduce use solution into transfer lines and tanks for watering systems...
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and nipple drinkers. Soak or circulate use solution for at least 10 minutes. Drain transfer lines and tanks. Rinse all surfaces thoroughly with a potable water rinse. Use product within 24 hours of mixing Sterilex Ultra CIP and Activator Solution.

PRECLEANING INSTRUCTIONS (OPTIONAL STEP): Although Sterilex Ultra CIP provides one-step cleaning and disinfection, precleaning may be desired for some surfaces in certain cases. Prepare a precleaning solution by adding 3 - 6 fl oz. of Sterilex Ultra CIP and an equivalent amount of Sterilex Ultra Activator Solution to 1 gal. hot tap water in an appropriate plastic container, depending on the level of gross filth to be precleaned. Clean surfaces with precleaning solution to 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 mapping. Before disinfecting rinse all surfaces thoroughly with a potable water rinse. Use product within 24 hours of mixing Sterilex Ultra CIP and Activator Solution.

DISINFECTION OF POULTRY HOUSE PREMISES, POULTRY HOUSE EQUIPMENT 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 or follow PRECLEANING INSTRUCTIONS below. Saturate all surfaces with a solution prepared by adding 12.8 fl. oz. of Sterilex Ultra CIP and 12.8 fl. oz. of Sterilex Ultra Activator Solution to 1 gal. tap water in an appropriate plastic container and stirring. Thoroughly wet surfaces with use-solution by using a clean in place (CIP) system, pumping it through the system or drawing it through the system. 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 hatters, 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. Allow surfaces to remain wet for at least 10 minutes. Ventilate buildings, coops, and other closed spaces. Do not house poultry or employ equipment until treatment has been absorbed, set, or dried. Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains, and waterers with soap or detergent, and rinse with potable water before reuse. Use product within 24 hours of mixing Sterilex Ultra CIP and Activator Solution.

APPLICATION INSTRUCTIONS FOR TRANSFER LINES: Add 12.8 fl. oz. of Sterilex Ultra CIP and 12.8 fl. oz. of Sterilex Ultra Activator Solution to 1 gal. tap water in an appropriate plastic container and stir. Introduce use solution into transfer lines and tanks for watering systems and nipple drinkers. Soak or circulate use solution for at least 10 minutes. Drain transfer lines and tanks. Rinse all surfaces thoroughly with a potable water rinse. Use product within 24 hours of mixing Sterilex Ultra CIP and Activator Solution.

PRECLEANING INSTRUCTIONS (OPTIONAL STEP): Although Sterilex Ultra CIP provides one-step cleaning and disinfection, precleaning may be desired for some surfaces in certain cases. 1) Prepare a precleaning solution by adding 3 - 6 fl oz of Sterilex Ultra CIP and an equivalent amount of Sterilex Ultra Activator Solution to 1 gal. hot tap water in an appropriate plastic container, depending on the level of gross filth to be precleaned. 2) Clean surfaces with precleaning solution to by pouring, wiping, brushing, scrubbing, 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 mapping. 3) Before disinfecting rinse all surfaces thoroughly with a potable water rinse. Use product within 24 hours of mixing Sterilex Ultra CIP and Activator Solution.

PREPARATION OF NON-FOOD CONTACT SANITIZER USE SOLUTION: For heavily soiled areas, a preliminary cleaning is required. Mix 2 fl. oz. (59 ml) of Sterilex Ultra CIP and 2 fl. oz. (59 ml) of Sterilex Ultra Activator Solution per 1 gallon (3.78 L) of water (or equivalent use dilution). Apply sanitizer use solution to hard, nonporous inanimate non-food contact surfaces with a brush, cloth, mop, sponge, auto scrubber, sprayer, coarse pump, foam, circulation or by immersion so as to thoroughly wet surface to be sanitized. For sprayer applications, spray 6-8 inches from surface. Do not breathe spray. Rub with brush, cloth, sponge, mop or cloth or allow to air dry. Treated surfaces must remain wet for 3 minutes. Use product within 24 hours of mixing Sterilex Ultra CIP and Activator Solution.

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: Add 12.8 fl. oz. of Sterilex Ultra CIP and 12.8 fl. oz. of Sterilex Ultra Activator Solution to 1 gal. tap water in an appropriate plastic container and stir. Thoroughly wet surfaces with use-solution 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 mapping. Clean all areas of vehicles, including mats, crates, cabs and wheels. Allow surfaces to remain wet for at least 10 minutes. Rinse all surfaces thoroughly with a potable water rinse. Use product within 24 hours of mixing Sterilex Ultra CIP and Activator Solution.

PRECLEANING INSTRUCTIONS (OPTIONAL STEP): Although Sterilex Ultra CIP provides one-step cleaning and disinfection, precleaning may be desired for some surfaces in certain cases. Prepare a precleaning solution by adding 3 - 6 fl oz. of Sterilex Ultra CIP and an equivalent amount of Sterilex Ultra Activator Solution to 1 gal. hot tap water in an appropriate plastic container, depending on the level of gross filth to be precleaned. Clean surfaces with precleaning solution to 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 mapping. Before disinfecting rinse all surfaces thoroughly with a potable water rinse. Use product within 24 hours of mixing Sterilex Ultra CIP and Activator Solution.

PREPARATION OF NON-FOOD CONTACT SANITIZER USE SOLUTION: For heavily soiled areas, a preliminary cleaning is required. Mix 2 fl. oz. (59 ml) of Sterilex Ultra CIP and 2 fl. oz. (59 ml) of Sterilex Ultra Activator Solution per 1 gallon (3.78 L) of water (or equivalent use dilution). Apply sanitizer use solution to hard, nonporous inanimate non-food contact surfaces with a brush, cloth, mop, sponge, auto scrubber, sprayer, coarse pump, foam, circulation or by immersion so as to thoroughly wet surface to be sanitized. For sprayer applications, spray 6-8 inches from surface. Do not breathe spray. Rub with brush, cloth, sponge, mop or cloth or allow to air dry. Treated surfaces must remain wet for 3 minutes. Use product within 24 hours of mixing Sterilex Ultra CIP and Activator Solution.
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For the biocide and non-public use sites below, the use of Sterilex Ultra Activator Solution is not required. Sterilex Ultra Activator Solution may be used as an adjuvant for Sterilex Ultra CIP in biocide and non-public use sites to adjust pH, inhibit corrosion and enhance cleaning.

FOR USE AS A BACTERICIDE, SLIMICIDE, MILDEWSTAT AND ALGICIDE

PENETRATES AND REMOVES BIOFILM AND OTHER ORGANIC CONTAMINANTS

CONTROLS MOLD AND MILDEW

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

DOSEAGE RATES. Initial Dose for badly fouled systems: Add 1 to 4 gal. (1000-4000 ppm) Sterilex Ultra CIP 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 CIP. Repeat until control is evident.

Routine Dose, when microbial control is evident: Subsequent slug additions of 5 oz. to 64 fl. oz. (40-500 ppm) Sterilex Ultra CIP 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 CIP) are employed every 2 to 5 days 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 Dose: For continuous, or semi-continuous, low level dosage of Sterilex Ultra CIP, add 1 oz. to 20 oz. (8-165 ppm) Sterilex Ultra CIP 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 CIP).

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

DOSEAGE RATES. Dose for badly fouled systems: Fill equipment as completely as possible with a solution of 8 to 10 gal. (8215-70000 ppm) of Sterilex Ultra CIP (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 CIP) per 1000 gallons of system capacity. Circulate for at least 4 hours and then drain system. Rinse system with 6 volumes of water. If necessary, apply a solution containing 1 to 10 fl. oz. Sterilex Ultra CIP (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 CIP) per gallon onto surfaces of the equipment that are not submerged.

Subsequent Dose, when microbial control is evident: Subsequent slug additions of 5 to 25 fl. oz. (40-203 ppm) Sterilex Ultra CIP (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 CIP) per 1000 gallons of daily water use 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.

WHIRLPOOL BATHTUB, JACUZZI, SPA, POOL, AND FOOTBATH WATER SYSTEMS. Effectively removes and controls biofilm and other organic contaminants in whirlpool bathtub, Jacuzzi, spa, pool, and footbath water systems. (Not for Use in California)

DOSEAGE RATES. Initial Dose for badly fouled systems. After using unit, drain and fill with a use solution of 4 to 80 gal. (4108-70000 ppm) of Sterilex Ultra CIP (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 CIP) per 1000 gallons of system capacity to just cover the intake valve. Start the pump to circulate the solution. Circulate for at least 1 hour and then drain system. Rinse system with 6 volumes of water. If necessary, apply a solution containing 1 to 10 fl. oz. Sterilex Ultra CIP (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 CIP) 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 to 25 fl. oz. (40 - 203 ppm) of Sterilex Ultra CIP (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 CIP) per 1000 gallons of system capacity to just cover the intake valve. Start the pump to circulate the solution. Circulate for at least 1 hour and then drain system. Rinse system with 6 volumes of water. If necessary, apply a solution containing 1 to 10 fl. oz. Sterilex Ultra CIP (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 CIP) per gallon onto surfaces of the equipment that are not submerged.
STERILEX
Innovative Solutions for Microbial Control

Sterilex Ultra CIP
For disinfectant and public health use sites, this is part one of a two-part product and must be used with Sterilex Ultra Activator Solution.
For biocide and non-public health use sites, the use of Sterilex Ultra Activator Solution may not be required.

Using patented PerQuat® technology
One-Step Disinfectant • Cleaner • Sanitizer
Staphylococcal – Pseudomonas – Salmonella – Listeria – Yeasts – Fungi
Effective against mycotoxin-producing molds

Kills/inactivates:
E. coli
A. I. I.
Z. barnesii
A. niger
E. aerogenes

Please consult the directions for use for specific instructions.

Active Ingredients:
n-Alkyl(C6, 60%, C8 30%, C10 5%, C12 5%) dimethylbenzylammonium chloride 3.00%
n-Alkyl(C6 68%, C8 32%) dimethylethylbenzylammonium chloride 3.00%
Hydrogen Peroxide 6.30%
Inert Ingredients 87.70%
TOTAL 100.00%

KEEP OUT OF REACH OF CHILDREN
DANGER
SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

FIRST AID
IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes.
IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. Call a Poison Control Center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.
NOTE TO PHYSICIAN: Prolonged mucosal damage may contraindicate the use of gastric lavage.

Call 1-800-512-1659 or 443-512-8800 for Technical Information
NET CONTENTS [55, 275] GALLONS

DIRECTIONS FOR USE – See Directions for Use Booklet
It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
For disinfectant and public health use sites, this is part one of a two-part product and must be used with Sterilex Ultra Activator Solution. For biocide and non-public health use sites, the use of Sterilex Ultra Activator Solution may not be required. Please consult the directions for use for specific instructions.

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

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

PHYSICAL AND CHEMICAL HAZARDS
When exposed to fire, Sterilex Ultra CIP may release oxygen and oxides of carbon and/or nitrogen.

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

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

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray or mixture or rinseate 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 or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. If rinseate cannot be used, follow pesticide disposal instructions. If not tricolor rinses these containers are charge hazardous wastes and must be disposed in accordance with local, state and federal regulations. Triple rinse or pressure wash container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into equipment application or a mix tank. Fill the container IV 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 containers 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 rinseate into equipment application or a mix tank or store rinseate for later use or disposal. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into equipment application or a mix tank and continue to drain for 10 seconds after the flow begins to drop. Hold container upside down over application equipment or mix tank or collect rinseate 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 drop.

Manufactured for:
Sterilex Corporation
111 Lake Front Drive
Hunt Valley, MD 21030-2216

EPA Reg. No. 63761-8
EPA Label Number 14875-N-001, 44636-CA-001, 21737-MA-01, 62781-11-01, 60155-11-001, 56665-PA-001, 14875-N-001, 12487-DH-1, 65072-CA-001, 65072-IL-001, 65072-11-001, 65072-011-001, 65072-PA-001, 65072-WA-001, 1270-GA-1, 1270-11-01, 40849-CA-1
Revision 637618-04232013
STERILEX
Innovative Solutions for Microbial Control

Sterillex Ultra CIP
(EPA No. 63761-8)

DIRECTIONS FOR USE BOOKLET
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
For disinfectant and public health use sites, this is part one of a two-part product and must be used with Sterillex Ultra Activator Solution.
For Biocide and non-public health use sites, the use of Sterillex Ultra Activator Solution may not be required.
Please consult the directions for use for specific instructions.

DISINFECTION: Sterillex Ultra CIP, when mixed with Sterillex Ultra Activator Solution, is a one-step, hospital-use disinfectant at 12.8 fl. oz. (each, Solution 1 & Solution 2) per gallon of water (1:1:10). Bactericidal according to the current AOAC Use-Dilution Test Method modified in the presence of 400 ppm hard water plus 5% organic serum against: Pseudomonas aeruginosa (Pseudomonas) (ATCC® 15642), Staphylococcus aureus (Staph) (ATCC® 6538), Staphylococcus aureus – Methicillin Resistant (ATCC®35951) (MRSA), Salmonella enterica (Salmonella) (ATCC® 10708), Escherichia coli O157:H7 (ATCC® 35150), Listeria monocytogenes (ATCC® 19111)

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

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

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

SANITIZING OF INANIMATE SURFACES: Sterillex Ultra CIP, when mixed with Sterillex 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 aerogenes (ATCC 13048), Staphylococcus aureus (ATCC 6538)

Sterillex Ultra CIP: when mixed with Sterillex 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, beverage manufacturing facilities, dairy farms, swine farms, poultry and turkey farms, farm premises, hatcheries, refrigerated trucks, kennels, pet animal quarters, zoos, animal care facilities, transportation terminals, hotels and motels, factories, business and office buildings.

Sterillex Ultra CIP, when mixed with Sterillex 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, 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, water systems, farm animal water drinkers; waterers and feeders, automatic feeders, hauling equipment, dressing plants, troughs, fountains and waterers, forks, shovels, scrapers, bams, 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, sidewalks and floors, drinkers and other poultry house related equipment; coils and drain pans of air conditioning and refrigeration equipment and heating pads, conductive flooring:

GENERAL CLEANING AND DISINFECTION: APPLICATION INSTRUCTIONS: Remove gross soil from all areas, articles and surfaces to be disinfected using a pro-clean, pre-flush, or pre-scrub and, if necessary, pre soak. Mix 12.8 ounces (378.5 ml) of Sterillex Ultra CIP and 12.8 ounces (378.5 ml) of Sterillex Ultra Activator Solution to 1 gal. (3.78 L) of water. Thoroughly wet surfaces by using a clean in place (CIP) system, pumping it through the system. Allow surfaces to remain wet for at least 10 minutes. Do not breathe spray. Rinse all surfaces thoroughly with a potable water rinse. Use product within 24 hours of mixing Sterillex Ultra CIP and Activator Solution.

PRECLEANING INSTRUCTIONS (OPTIONAL STEP): Although Sterillex Ultra CIP provides one-step cleaning and disinfection, precleaning may be desired in some areas, articles and surfaces in certain cases. Prepare a precleaning solution by adding 1 - 6 fl. oz. of Sterillex Ultra CIP and an equivalent amount of Sterillex Ultra Activator Solution to 1 gal. hot tap water in an appropriate plastic container, depending on the level of gross soil to be precleaned. Clean surfaces with precleaning solution by using a clean in place (CIP) system, pumping it through the system. Rinse all surfaces thoroughly with a potable water rinse.

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 fl. oz. of Sterillex Ultra CIP and 12.8 fl. oz. of Sterillex Ultra Activator Solution to 1 gal. tap water in an appropriate container and stir. Completely fill storage, transfer and dispensing equipment with the prepared solution. Allow the Sterillex Ultra 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.

PRECLEANING INSTRUCTIONS (OPTIONAL STEP): Although Sterillex Ultra CIP 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 - 6 fl. oz. of Sterillex Ultra CIP and an equivalent amount of Sterillex Ultra Activator Solution to 1 gal. hot tap water in an appropriate plastic container, 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 surfaces thoroughly with a potable water rinse.

**SANITIZING DIRECTIONS FOR NON-FOOD CONTACT SURFACES:** Add 2 fl. oz. (59 mL) of Sterile Ultra CIP and 2 fl. oz. (59 mL) of Sterile Ultra Activator Solution to 1 gallon (3.78 L) of water (or equivalent use dilution) to sanitize hard, non-porous surfaces. Apply sanitizer use solution to pre-cleaned, hard, non-porous surfaces with a cloth, mop, sponge, sprayer, foaming or by immersion. For sprayer applications, use a coarse pump or trigger sprayer. Spray 6-9 inches (15-22 cm) from surface and rub with brush sponge or cloth. 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 24 hours of mixing Sterile Ultra CIP and Activator Solution.

**DISINFECTION OF WHIRLPOOL BATHTUBS, JACUZZIS, SPAS, POOLS, AND FOOTBATHS:** After using unit, drain and fill with a use solution of 12.8 fl. oz. of Sterile Ultra CIP and 12.8 fl. oz. of Sterile Ultra Activator Solution per 1 gal. tap water 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 disinflected, drain the solution from the unit and rinse disinfected surfaces with fresh water. Repeat for heavily soiled units.

**FOR PRECLEANING OF WHIRLPOOL BATHTUBS, JACUZZIS, SPAS, POOLS, AND FOOTBATHS** circulate a solution of 0.5 fl. oz. Sterile Ultra CIP and 0.5 fl. oz. Sterile Ultra Activator Solution per 1 gal. tap water through tub, spa, pool, or bath and associated piping and filters at a temperature ≥ 90°F. Drain tub, spa, pool, or bath and rinse with water.

**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:** Remove gross food particles and soil from all articles using a pre-flush, or pre-scrape, and, if necessary, presoak. Add 12.8 fl. oz. of Sterile Ultra CIP and 12.8 fl. oz. of Sterile Ultra Activator Solution into a gal. tap water in an appropriate plastic container and stir. Thoroughly wet surfaces with use-solution by using a clean in place (CIP) system, pumping it through the system or drawing it through the system. Allow surfaces to remain wet for at least 10 minutes. Rinse all surfaces thoroughly with a potable water rinse. Use product within 24 hours of mixing Sterile Ultra CIP and Activator Solution.

**PRECLEANING INSTRUCTIONS (OPTIONAL STEP):** Although Sterile Ultra CIP provides one-step cleaning and disinfection, precleaning may be desired for some surfaces in certain cases. Prepare a precleaning solution by adding 3 - 6 fl. oz. of Sterile Ultra CIP and an equivalent amount of Sterile Ultra Activator Solution to 1 gal. hot tap water in an appropriate plastic container, depending on the level of gross filth to be precleaned. Clean surfaces with precleaning solution to 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. Before disinfecting rinse all surfaces thoroughly with a potable water rinse. Use product within 24 hours of mixing Sterile Ultra CIP and Activator Solution.

**APPLICATION INSTRUCTIONS FOR TRANSFER LINES:** Add 12.8 fl. oz. of Sterile Ultra CIP and 12.8 fl. oz. of Sterile Ultra Activator Solution to 1 gal. tap water in an appropriate plastic container and stir. Introduce use solution into transfer lines and tanks. Soak or circulate use solution for at least 10 minutes. Drain transfer lines. Rinse all surfaces thoroughly with a potable water rinse. Use product within 24 hours of mixing Sterile Ultra CIP and Activator Solution.

**PREPARATION OF NON-FOOD CONTACT SANITIZER USE SOLUTION:** For heavily soiled areas, a preliminary cleaning is required. Mix 2 fl. oz. (59 mL) of Sterile Ultra CIP and 2 fl. oz. (59 mL) of Sterile Ultra Activator Solution per 1 gallon (3.78 L) of water (or equivalent use dilution). Apply sanitizer use solution to hard, nonporous inanimate non-food contact surfaces with a brush, cloth, mop, sponge, auto scrubber, sprayer, coarse pump, foam, circulation or by immersion so as to thoroughly wet surface to be sanitized. For sprayer applications, spray 6-8 inches from surface. Do not breathe spray. Rub with brush, cloth, sponge, mop or cloth or allow to air dry. Treated surfaces must remain wet for 3 minutes. Use product within 24 hours of mixing Sterile Ultra CIP and Activator Solution.

**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 PREMISES EQUIPMENT, SWINE PREMISES EQUIPMENT.** Remove all animals and feed from premises, vehicles, and enclosures. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes, and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water or follow PRECLEANING INSTRUCTIONS below. Saturate all surfaces with a solution prepared by adding 12.8 fl. oz. of Sterile Ultra CIP and 12.8 fl. oz. of Sterile Ultra Activator Solution to 1 gal. tap water in an appropriate plastic container and stirring. Thoroughly wet surfaces with use-solution by using a clean in place (CIP) system, pumping it through the system or drawing it through the system. 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. Allow surfaces to remain wet for at least 10 minutes. Rinse all surfaces thoroughly with a potable water rinse. Ventilate buildings, cars, boats, and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set, or dried. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains, and waterers with soap or detergent, and rinse with potable water before reuse. Use product within 24 hours of mixing Sterile Ultra CIP and Activator Solution.

**APPLICATION INSTRUCTIONS FOR TRANSFER LINES:** Add 12.8 fl. oz. of Sterile Ultra CIP and 12.8 fl. oz. of Sterile Ultra Activator Solution per 1 gal. tap water in an appropriate plastic container and stir. Introduce use solution into transfer lines and tanks for watering systems.
and nipple drinkers. Soak or circulate use solution for at least 10 minutes. Drain transfer lines and tanks. Rinse all surfaces thoroughly with a potable water rinse. Use product within 24 hours of mixing Sterilex Ultra CIP and Activator Solution.

PRECLEANING INSTRUCTIONS (OPTIONAL STEP): Although Sterilex Ultra CIP provides one-step cleaning and disinfection, precleaning may be desired for some surfaces in certain cases. Prepare a precleaning solution by adding 3 - 6 fl. oz. of Sterilex Ultra CIP and an equivalent amount of Sterilex Ultra Activator Solution to 1 gal. hot tap water in an appropriate plastic container, depending on the level of gross filth to be precleaned. Clean surfaces with precleaning solution to 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. Before disinfecting rinse all surfaces thoroughly with a potable water rinse. Use product within 24 hours of mixing Sterilex Ultra CIP and Activator Solution.

DISINFECTION OF POULTRY HOUSE PREMISES, POULTRY HOUSE EQUIPMENT 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 or follow PRECLEANING INSTRUCTIONS below. Saturate all surfaces with a solution prepared by adding 12.8 fl. oz. of Sterilex Ultra CIP and 12.8 fl. oz. of Sterilex Ultra Activator Solution to 1 gal. tap water in an appropriate plastic container and stirring. Thoroughly wet surfaces with use-solution by using a clean in place (CIP) system, pumping it through the system or drawing it through the system. 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. Allow surfaces to remain wet for at least 10 minutes. Ventilate buildings, coops, and other closed spaces. Do not house poultry or employ equipment until treatment has been absorbed, set, or dried. Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains, and waters with soap or detergent, and rinse with potable water before reuse. Use product within 24 hours of mixing Sterilex Ultra CIP and Activator Solution.

APPLICATION INSTRUCTIONS FOR TRANSFER LINES: Add 12.8 fl. oz. of Sterilex Ultra CIP and 12.8 fl. oz. of Sterilex Ultra Activator Solution to 1 gal. tap water in an appropriate plastic container and stir. Introduce use solution into transfer lines and tanks for watering systems and nipple drinkers. Soak or circulate use solution for at least 10 minutes. Drain transfer lines and tanks. Rinse all surfaces thoroughly with a potable water rinse. Use product within 24 hours of mixing Sterilex Ultra CIP and Activator Solution.

PRECLEANING INSTRUCTIONS (OPTIONAL STEP): Although Sterilex Ultra CIP provides one-step cleaning and disinfection, precleaning may be desired for some surfaces in certain cases. 1) Prepare a precleaning solution by adding 3 - 6 fl. oz. of Sterilex Ultra CIP and an equivalent amount of Sterilex Ultra Activator Solution to 1 gal. hot tap water in an appropriate plastic container, depending on the level of gross filth to be precleaned. 2) Clean surfaces with precleaning solution to by pouring, wiping, brushing, scrubbing, 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. Before disinfecting rinse all surfaces thoroughly with a potable water rinse. Use product within 24 hours of mixing Sterilex Ultra CIP and Activator Solution.

PREPARATION OF NON-FOOD CONTACT SANITIZER USE SOLUTION: For heavily soiled areas, a preliminary cleaning is required. Mix 2 fl. oz. (59 mL) of Sterilex Ultra CIP and 2 fl. oz. (59 mL) of Sterilex Ultra Activator Solution per 1 gallon (3.78 L) of water (or equivalent use dilution). Apply sanitizer use solution to hard, nonporous inanimate non-food contact surfaces with a brush, cloth, mop, sponge, auto scrubber, sprayer, coarse pump, foam, circulation or by immersion so as to thoroughly wet surface to be sanitized. For sprayer applications, spray 6-8 inches from surface. Do not breathe spray. Rub with brush, cloth, sponge, mop or cloth or allow to air dry. Treated surfaces must remain wet for 3 minutes. Use product within 24 hours of mixing Sterilex Ultra CIP and Activator Solution.

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: Add 12.8 fl. oz. of Sterilex Ultra CIP and 12.8 fl. oz. of Sterilex Ultra Activator Solution to 1 gal. tap water in an appropriate plastic container and stir. Thoroughly wet surfaces with use-solution 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. Clean all areas of vehicles, including mats, crates, cabs and wheels. Allow surfaces to remain wet for at least 10 minutes. Rinse all surfaces thoroughly with a potable water rinse. Use product within 24 hours of mixing Sterilex Ultra CIP and Activator Solution.

PRECLEANING INSTRUCTIONS (OPTIONAL STEP): Although Sterilex Ultra CIP provides one-step cleaning and disinfection, precleaning may be desired for some surfaces in certain cases. Prepare a precleaning solution by adding 3 - 6 fl. oz. of Sterilex Ultra CIP and an equivalent amount of Sterilex Ultra Activator Solution to 1 gal. hot tap water in an appropriate plastic container, depending on the level of gross filth to be precleaned. Clean surfaces with precleaning solution to 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. Before disinfecting rinse all surfaces thoroughly with a potable water rinse. Use product within 24 hours of mixing Sterilex Ultra CIP and Activator Solution.

PREPARATION OF NON-FOOD CONTACT SANITIZER USE SOLUTION: For heavily soiled areas, a preliminary cleaning is required. Mix 2 fl. oz. (59 mL) of Sterilex Ultra CIP and 2 fl. oz. (59 mL) of Sterilex Ultra Activator Solution per 1 gallon (3.78 L) of water (or equivalent use dilution). Apply sanitizer use solution to hard, nonporous inanimate non-food contact surfaces with a brush, cloth, mop, sponge, auto scrubber, sprayer, coarse pump, foam, circulation or by immersion so as to thoroughly wet surface to be sanitized. For sprayer applications, spray 6-8 inches from surface. Do not breathe spray. Rub with brush, cloth, sponge, mop or cloth or allow to air dry. Treated surfaces must remain wet for 3 minutes. Use product within 24 hours of mixing Sterilex Ultra CIP and Activator Solution.
Sterilex Ultra CIP
(EPA No. 63761-8)

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

FOR USE AS A BACTERICIDE, SLIMICIDE, MILDEWSTAT AND ALGICIDE
PENETRATES AND REMOVES BIOFILM AND OTHER ORGANIC CONTAMINANTS
CONTROLS MOLD AND MILDEW

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

DOSE RATES. Initial Dose for badly fouled systems: Add 1 to 4 gal. (1000-4000 ppm) Sterilex Ultra CIP 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 CIP. Repeat until control is evident.

Routine Dose, when microbial control is evident: Subsequent slug additions of 5 oz. to 64 fl. oz. (40-500 ppm) Sterilex Ultra CIP 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 CIP) 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 Dose: For continuous, or semi-continuous, low level dosage of Sterilex Ultra CIP, add 1 oz. to 20 oz. (8-165 ppm) Sterilex Ultra CIP per 1000 gallons of water (and if cleaning is desired or if the pH of the system is below 8, Sterilex Ultra Activator Solution at the rate of 1 to 3 times the volume of Sterilex Ultra CIP).

TANKS, Sumps, and other holding vessels, piping and industrial equipment used to store and convey industrial or commercial process water or aqueous mixtures. Do Not Use in equipment that will contact food. Effectively removes and controls biofilm and other organic contaminants in tanks, piping and industrial equipment used to store and convey industrial process water or aqueous mixtures. (Not for Use in California)

DOSE RATES. Dose for badly fouled systems: Fill equipment as completely as possible with a solution of 8 to 80 gal. (8210-70000 ppm) of Sterilex Ultra CIP (and 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 CIP per 1000 gallons of system capacity). Circulate for at least 4 hours and then drain system. Rinse system with 5 volumes of water. If necessary, apply a solution containing 1 to 10 fl. oz. Sterilex Ultra CIP (and 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 CIP) per gallon onto surfaces of the equipment that are not submerged.

Subsequent Dose, when microbial control is evident: Subsequent slug additions of 5 to 25 fl. oz. (40-203 ppm) Sterilex Ultra CIP (and 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 CIP 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.

WHIRLPOOL BATHTUB, JACUZZI, SPA, POOL, AND FOOTBATH WATER SYSTEMS. Effectively removes and controls biofilm and other organic contaminants in whirlpool bathtub, Jacuzzi, spa, pool, and footbath water systems. (Not for Use in California)

DOSE RATES. Initial Dose for badly fouled systems: After using unit, drain and fill with a use solution of 4 to 8 gal. (4106-70000 ppm) of Sterilex Ultra CIP (and 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 CIP per 1000 gallons of system capacity to just cover the intake valve. Start the pump to circulate the solution. Circulate for at least 1 hour and then drain system. Rinse system with 5 volumes of water. If necessary, apply a solution containing 1 to 10 fl. oz. Sterilex Ultra CIP (and 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 CIP 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 to 25 fl. oz. (40 - 203 ppm) of Sterilex Ultra CIP (and 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 CIP per 1000 gallons of system capacity to just cover the intake valve. Start the pump to circulate the solution. Circulate for at least 1 hour and then drain system. Rinse system with 5 volumes of water. If necessary, apply a solution containing 1 to 10 fl. oz. Sterilex Ultra CIP (and 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 CIP per gallon onto surfaces of the equipment that are not submerged.