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 or Ultra Soft Metal Activator.

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

Using patented PerQuat® technology
One-Step Disinfectant • Cleaner • Sanitizer
Staphylococal – Pseudomonacodal – Salmonellacodal – Listericodal – Virucidal – Fungistat/Mildewstat
Effective against mycoxin-producing molds

Kills/inactivates:
E. coli
Asian Influenza
Zgyptaaccomycet balii
Aspergillus niger
Enterobacter aerogenes

Please consult the directions for use for specific instructions.

Active Ingredients:
n-Alkyl(C12, 60%, Cu 30%, C16, 5%, Cu 5%) dimethyldimethylammonium chloride 3.00%
n- Alkyl(C12, 68%, Cu 32%) dimethylthymethylammonium 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. Person should sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. Call a Poison Control Center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

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

Call 1-800-515-1659 or 443-541-8800 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 disinfectant and public health use sites, this is part one of a two-part product and must be used with Sterilex Ultra Activator Solution or Ultra Soft Metal Activator. For biocide and non-public health use sites, the use of Sterilex Ultra Activator Solution or Ultra Soft Metal Activator 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 rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. If rinsate cannot be used, follow pesticide disposal instructions. If not triple rinsed these containers are acute 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 application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

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 and collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

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

EPA Reg. No.: 63761-8
EPA Establish Number 60156-IL-001
Revision 637618-10272017
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 or Ultra Soft Metal Activator.

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

Using patented PerQuat® technology
One-Step Disinfectant • Cleaner • Sanitizer
Staphylocidal – Pseudomonacidal – Salmonellacidal – Listericidal – Virucidal – Fungistat/Mildewstat
Effective against mycotoxin-producing molds
Kills/inactivates:
E. coli
Asian influenza
Zygosaccharomyces bailii
Aspergillus niger
Enterobacter aerogenes

Please consult the directions for use for specific instructions.

Active Ingredients:
n-Alkyl(C6 60%, C8 30%, C12 5%, C14 5%) dimethylbenzlammonium chloride 3.00%
n-Alkyl(C12 68%, C14 32%) dimethylhexylbenzlammonium 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. If breathing is normal, allow person to rest comfortably.
IF SWALLOWED: Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
Call a Poison Control Center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

Call 1-800-511-1659 or 443-541-8800 for Technical Information

NET CONTENTS 55 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 or Ultra Soft Metal Activator. For biocide and non-public health use sites, the use of Sterilex Ultra Activator Solution or Ultra Soft Metal Activator 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 publicly available and disposed of in a sanitary landfill, or by other procedures approved by state and local authorities. If rinsate cannot be used, follow pesticide disposal instructions. If not triple rinsed these containers are acute 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 application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

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

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

EPA Reg. No.: 63761-8
EPA Establish Number 60516-II-001
Revision 637618-10272017
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 or Ultra Soft Metal Activator.

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

Using patented PerQuat® technology
One-Step Disinfectant • Cleaner • Sanitizer
Sterilex Ultra CIP is a biocidal solution containing Staphylocidal – Pseudomonacidal – Salmonellacidal – Listericidal – Virucidal – Fungistatic/Mildewstat
Effective against mycotoxin producing molds

Kills/inactivates:
- E. coli
- Avian Influenza
- Zygosaccharomyces bailii
- Aspergillus niger
- Enterobacter 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(C12 68%, C14 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: Probable mucosal damage may contraindicate the use of gastric lavage.

Call 1-800-511-1659 or 443-541-8800 for Technical Information

NET CONTENTS 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 part one of a two-part product and must be used with Sterilex Ultra Activator Solution or Ultra Soft Metal Activator. For biocide and non-public health use sites, the use of Sterilex Ultra Activator Solution or Ultra Soft Metal Activator 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 into sewers without properly 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 rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. If rinsate cannot be used, follow pesticide disposal instructions. If not triple rinsed these containers are acute 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 application equipment or a mix tank. Fill the container 1/4 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 rinsate into application equipment or a mix tank or store rinsate for later use or disposal. 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 rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

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

EPA Reg. No.: 63761-8
EPA Establish Number 60516-II-001
Revision 637618-10272017
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 disinfection and non-food contact surface sanitization for public health uses, this is part one of a two-part product and must be used with Sterilex Ultra Activator Solution or Ultra Soft Metal Activator.

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

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 and chillers
- Optimized for use in spiral freezers, chillers, 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, Al 7075
- Compatible with stainless steel and soft metal surfaces including: Aluminum, Copper, Brass, Carbon Steel
- 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, Al 7075, Bronze, Brass, Copper, Carbon Steel, 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.

DISINFECTION

GENERAL ONE STEP DISINFECTION AND CLEANING DIRECTIONS FOR HARD, NON-POUROUS SURFACES:

Sterilex Ultra CIP, when mixed with Sterilex Ultra Activator Solution or Ultra Soft Metal Activator, 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). Bactericidal according to the current AOAC Use-Dilution Test Method modified in the presence of 400 ppm hard water plus 5% organic serum against:

- Pseudomonas aeruginosa (Pseudomonas) (ATCC # 15442)
- Staphylococcus aureus (Staph) (ATCC # 6538)
- Staphylococcus aureus - Methicillin Resistant (ATCC # 33591) (MRSA)
- Salmonella enterica (Salmonella) (ATCC # 10708)
- Salmonella enterica enterica enteritidis (ATCC # 13076)
- Salmonella enterica enterica heidelberg (ATCC # 8326)
- Escherichia coli O157:H7 (ATCC # 35150)
- Listeria monocytogenes (ATCC # 19111)
- Campylobacter jejuni (ATCC # 29428)

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 ounces (378.5 – 473.2 ml) of Sterilex Ultra CIP and 12.8 – 16.0 ounces (378.5 – 473.2 ml) of Sterilex Ultra Activator Solution or Ultra Soft Metal Activator to 1 gal. (3.78 L) 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 surfaces thoroughly with a potable water rinse. Use product within 8 hours of mixing Sterilex Ultra CIP and Sterilex Ultra Activator Solution or Ultra Soft Metal Activator.

SPOILAGE ORGANISM
Sterilex Ultra CIP, when mixed with Sterilex Ultra Activator Solution or Ultra Soft Metal Activator 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 5% organic serum.
**SANITIZATION DIRECTIONS**

**GENERAL**
Sterilex Ultra CIP, when mixed with Sterilex Ultra Activator Solution or Ultra Soft Metal Activator, 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)*

**VIRUSES**
Avian influenza
Sterilex Ultra CIP, when mixed with Sterilex Ultra Activator Solution or Ultra Soft Metal Activator is effective against Avian Influenza A on hard, inanimate surfaces in one step at 2 - 4 fl. oz. Sterilex Ultra CIP and 2 - 4 fl. oz. of Sterilex Ultra Activator Solution or Ultra Soft Metal Activator per gallon of water (1:1:64), 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 CIP and 2 - 4 fl. oz. of Sterilex Ultra Activator Solution or Ultra Soft Metal Activator to 1 gal. 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 surfaces thoroughly with a potable water rinse. Use product within 8 hours of mixing Sterilex Ultra CIP and Sterilex Ultra Activator Solution or Ultra Soft Metal Activator.

**VIRUS**

<table>
<thead>
<tr>
<th>Virus</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feline Calicivirus</td>
<td>12.8 – 16.0 oz. of Sterilex Ultra CIP and 12.8 – 16.0 oz. of Sterilex Ultra Activator Solution or Ultra Soft Metal Activator per gallon of water</td>
</tr>
<tr>
<td>Norovirus</td>
<td>12.8 – 16.0 oz. of Sterilex Ultra CIP and 12.8 – 16.0 oz. of Sterilex Ultra Activator Solution or Ultra Soft Metal Activator per gallon of water</td>
</tr>
<tr>
<td>Rotavirus</td>
<td>12.8 – 16.0 oz. of Sterilex Ultra CIP and 12.8 – 16.0 oz. of Sterilex Ultra Activator Solution or Ultra Soft Metal Activator per gallon of water</td>
</tr>
</tbody>
</table>

PED Virus
Sterilex Ultra CIP, when mixed with Sterilex Ultra Activator Solution or Ultra Soft Metal Activator is effective against Porcine Epidemic Diarrhea Virus (PEDv) on hard, inanimate surfaces at 12.8 - 16.0 fl. oz. of Sterilex Ultra CIP and 12.8 - 16.0 fl. oz. of Sterilex Ultra Activator Solution or Ultra Soft Metal Activator per gallon of water, with a 10 minute contact time in the presence of 400 ppm hard water. Remove gross filth [soil] from all areas, articles and surfaces to be disinfected using a pre-clean, pre-flush, or pre-scrape and, if necessary, presoak. Mix 12.8 – 16.0 fl. oz. of Sterilex Ultra CIP and 12.8 – 16.0 fl. oz. of Sterilex Ultra Activator Solution or Ultra Soft Metal Activator to 1 gal. [3.78 L] 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 surfaces thoroughly with a potable water rinse. Use product within 8 hours of mixing Sterilex Ultra CIP and Sterilex Ultra Activator Solution or Ultra Soft Metal Activator.

**FUNGISTAT/MILDEWSTAT**
Sterilex Ultra CIP, when mixed with Sterilex Ultra Activator Solution or Ultra Soft Metal Activator 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 CIP and 12.8 – 16.0 fl. oz. of Sterilex Ultra Activator Solution or Ultra Soft Metal Activator per gallon of water (1:1:10 – 1:1:8) according to the current AOAC Use-Dilution Test Method modified in the presence of 400 ppm hard water plus 5% organic serum.
SANITIZING DIRECTIONS FOR NON-FOOD CONTACT SURFACES:

Add 2 - 4 fl. oz. (59 - 118 mL) of Sterilex Ultra CIP and 2 - 4 fl. oz. (59 - 118 mL) of Sterilex Ultra Activator Solution or Ultra Soft Metal Activator 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. 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 CIP and Activator Solution or Ultra Soft Metal Activator.

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

Sterilex Ultra CIP, when mixed with Sterilex Ultra Activator Solution or Ultra Soft Metal Activator, is for use on the following washable hard, nonporous surfaces:

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

Steam sterilizer water reservoirs, steam sterilizer water reservoir tubing;

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

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, HVAC units, cooling coils, cooling tunnels, 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, transfer line tubing, water lines, watering systems, farm animal nipple drinkers;

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

Kennel runs, 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, poultry buildings, ceilings, sidewalks and floors, drinkers and other poultry house related equipment;

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

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

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

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 - 12.8 fl. oz. of Sterilex Ultra CIP and an equivalent amount of Sterilex Ultra Activator...
Sterilex Ultra CIP
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Solution or Ultra Soft Metal Activator per 1 gal. 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 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 or Ultra Soft Metal Activator to 1 gal. (3.78 L) 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.

(For food processing or other facilities that have installed entryway sanitizing systems)
ENTRYWAY SANITIZING SYSTEMS:
Set the entryway system to apply 2 - 4 fl. oz. (59 - 118 mL) of Sterilex Ultra CIP and 2 - 4 fl. oz. (59 - 118 mL) of Sterilex Ultra Activator Solution or Ultra Soft Metal Activator per 1 gallon (3.78 L) of water. 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-POOROUS INANIMATE SURFACES ON PERSONAL PROTECTIVE EQUIPMENT (PPE):
Mix 2 - 4 fl. oz. (59 - 118 mL) of Sterilex Ultra CIP and 2 - 4 fl. oz. (59 – 118 mL) of Sterilex Ultra Activator Solution or Ultra Soft Metal Activator per 1 gallon (3.78 L) of water (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, mechanical spray device, 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.

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

NOTE:
This product is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high-level disinfection.

Apply Sterilex Ultra CIP and Sterilex Ultra Activator Solution or 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 CIP and Sterilex Ultra Activator Solution or Ultra Soft Metal Activator.

INSTRUMENT PRE-SOAK:
For use as an instrument pre-soak, prepare a solution by adding 12.8 – 16.0 fl. oz. (378.5 – 473.2 ml) of Sterilex Ultra CIP and 12.8 – 16.0 fl. oz. (378.5 – 473.2 ml) of Sterilex Ultra Activator Solution or Ultra Soft Metal Activator to 1 gallon. (3.78L) tap water 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 CIP and Sterilex Ultra Activator Solution or Ultra Soft Metal Activator.

DISINFECTION IN ULTRASONIC BATHS:

NOTE:
Use Sterilex Ultra CIP to disinfect hard nonporous non-critical objects compatible with Ultrasonic Cleaning Units.

Apply Sterilex Ultra CIP and Sterilex Ultra Activator Solution or 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 CIP and Sterilex Ultra Activator Solution or Ultra Soft Metal Activator.

CLEANING AND DISINFECTION OF WHIRLPOOL BATHTUBS, JACUZZIS, SPAS, POOLS, AND FOOTBATHS
Sterilex Ultra CIP
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After using unit, drain and fill with a use solution of 12.8 – 16.0 fl. oz. (378.5 – 473.2 ml) of Sterilex Ultra CIP and 12.8 – 16.0 fl. oz. (378.5 – 473.2 ml) of Sterilex Ultra Activator Solution or Ultra Soft Metal Activator per 1 gal. (3.78L) 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. Use product within 8 hours of mixing Sterilex Ultra CIP and Sterilex Ultra Activator Solution or Ultra Soft Metal Activator.

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 or Ultra Soft Metal Activator 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 AND NON-FOOD CONTACT SURFACE SANITIZATION 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.

Apply Sterilex Ultra CIP and Sterilex Ultra Activator Solution or Ultra Soft Metal Activator as a disinfectant, per General One Step Disinfection and Cleaning Directions, or as a sanitizer, per General Sanitization Directions. Use product within 8 hours of mixing Sterilex Ultra CIP and Sterilex Ultra Activator Solution or Ultra Soft Metal Activator.

DISINFECTION AND NON-FOOD CONTACT SURFACE 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.

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. Optionally, preclean surfaces per the Precleaning Instructions. Saturate all surfaces with a solution of Sterilex Ultra CIP and Sterilex Ultra Activator Solution or Ultra Soft Metal Activator 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. 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, or rinse with potable water before use. Use product within 8 hours of mixing Sterilex Ultra CIP and Activator Solution or Ultra Soft Metal Activator.

DISINFECTION OF POULTRY PREMISES, POULTRY 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. Optionally, preclean surfaces per the Pre cleaning Instructions. Saturate all surfaces with a solution of Sterilex Ultra CIP and Sterilex Ultra Activator Solution or Ultra Soft Metal Activator 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. 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 8 hours of mixing Sterilex Ultra CIP and Sterilex Ultra Activator Solution or Ultra Soft Metal Activator.

CLEANING AND DISINFECTION OF ANIMAL DRINKING LINES:

This product can be used to clean and disinfect 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 farm. Apply disinfecting solution to the lines by adding 12.8 - 16.0 ounces [378.5 – 473.2 ml] of Sterilex Ultra CIP and 12.8 - 16.0 ounces [378.5 – 473.2 ml] of Sterilex Ultra Activator Solution or Ultra Soft Metal Activator per gallon [3.78 L] of water (1:1:10 – 1:1:8) to the drinking water system. Fill the system by using a clean in place (CIP) system, pumping it through the system, or drawing it through the system. Make sure there is enough solution to fill the lines. Trigger all 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 10 minutes. Rinse all surfaces thoroughly with a potable water rinse.

SANITIZING ANIMAL DRINKING LINES:

This product can be used to sanitize 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 farm. Apply sanitizing solution to the lines by adding 2 - 4 ounces [59 - 118 ml] of Sterilex Ultra CIP and 2 - 4 ounces [59 - 118 ml] of Sterilex Ultra Activator Solution or Ultra Soft Metal Activator per gallon [3.78 L] of water (1:1:10 – 1:1:8) to the drinking water system. Fill the system by using a clean in place (CIP) system, pumping it through the system, or drawing it through the system. Make sure there is enough solution to fill the lines. Trigger all 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. Rinse all surfaces thoroughly with a potable water rinse.

Use product within 8 hours of mixing Sterilex Ultra CIP and Sterilex Ultra Activator Solution or Ultra Soft Metal Activator.

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

Apply Sterilex Ultra CIP and Sterilex Ultra Activator Solution or 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 CIP and Sterilex Ultra Activator Solution or Ultra Soft Metal Activator.

SPIRAL FREEZERS, COOLING UNITS, COOLING TUNNELS, EVAPORATIVE CONDENSERS AND OTHER COIL SURFACES

Apply Sterilex Ultra CIP 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 CIP and Ultra Soft Metal Activator.

For the biocide and non-public health uses below, the use of Sterilex Ultra Activator Solution or Ultra Soft Metal Activator is not required. Sterilex Ultra Activator Solution or Ultra Soft Metal Activator may be used as an adjuvant for Sterilex Ultra CIP in biocide and non-public health uses 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
Sterilex Ultra CIP
(EPA No. 63761-8)

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 dairy sweet water systems and brewery pasteurizers. (Claim not approved in California)

**DOSAGE 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 or Ultra Soft Metal Activator 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 2 fl. oz. (40-500 ppm) Sterilex Ultra CIP per 1000 gallons of water (if cleaning is desired or if the pH of the system is below 8, optionally add Sterilex Ultra Activator Solution or Ultra Soft Metal Activator 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 Dosage: 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 or Ultra Soft Metal Activator at the rate of 1 to 3 times the volume of Sterilex Ultra CIP).

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

**DOSAGE RATES.** Initial Dose for badly fouled systems: Add 3 to 16 gal. (3100-16150 ppm) of 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 or Ultra Soft Metal Activator at the rate of 1 to 3 times the volume of Sterilex Ultra CIP. If necessary, apply a solution containing 0.4 to 2 oz. Sterilex Ultra CIP 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 or Ultra Soft Metal Activator at the rate of 1 to 3 times the volume of Sterilex Ultra CIP) onto interior surfaces of the system that are not continuously submerged.

**Routine Dose, when microbial control is evident:** Subsequent slug additions of 8 to 50 oz. (65-408 ppm) Sterilex Ultra 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 or Ultra Soft Metal Activator at the rate of 1 to 3 times the volume of Sterilex Ultra CIP) 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 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, optionally add Sterilex Ultra Activator Solution or Ultra Soft Metal Activator at the rate of 1 to 3 times the volume of Sterilex Ultra CIP).

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

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

**Routine Dose, when microbial control is evident:** Subsequent slug additions of 28 to 128 fl. oz. (225-1000 ppm) Sterilex Ultra 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 or Ultra Soft Metal Activator at the rate of 1 to 3 times the volume of Sterilex Ultra CIP) 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 and other organic contaminants in Textile Dyeing Machines. (Claim not approved in California)

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

**DOSAGE RATES.** Initial Dose for badly fouled systems: Prepare a mixture of 2 to 5 fl. oz. of Sterilex Ultra CIP per gallon of water. If cleaning is desired or if the pH of the mixture is below 8, optionally add Sterilex Ultra Activator Solution or Ultra Soft Metal Activator at the rate of 1 to 3 times the volume of Sterilex Ultra CIP per gallon of water.
Sterilex Ultra CIP

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of 1 to 3 times the volume of Sterilex Ultra CIP. Pump the mixture through the Water-Jet Loom and all associated piping. If necessary, apply a solution containing 2 to 5 fl. oz. of Sterilex Ultra CIP (and if cleaning is desired or the pH of the system is below 8, optionally add Sterilex Ultra Activator Solution or Ultra Soft Metal Activator at the rate of 1 to 3 times the volume of Sterilex Ultra CIP) per gallon of water onto surfaces of the system that are not continuously submerged.

Subsequent Dose, when microbial control is evident: Subsequent slug additions of 5 to 25 fl. oz. (40-203 ppm) Sterilex Ultra CIP (and if cleaning is desired or the pH of the mixture is below 8, optionally add Sterilex Ultra Activator Solution or Ultra Soft Metal Activator 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.

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. (Claim not approved in California)

DOSAGE RATES. Dose for badly fouled systems: Fill equipment as completely as possible with a solution of 8 to 80 gal. (8215-70000 ppm) of Sterilex Ultra CIP (and if cleaning is desired or the pH of the mixture is below 8, optionally add Sterilex Ultra Activator Solution or Ultra Soft Metal Activator at the rate of 1 to 3 times the volume of Sterilex Ultra CIP) per 1000 gallons of system capacity. Circulate and then drain system. Rinse system thoroughly. 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 or Ultra Soft Metal Activator 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 or Ultra Soft Metal Activator 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.

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

DOSAGE RATES. Add to 16 gal. (3100-16150 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 or Ultra Soft Metal Activator at the rate of 1 to 3 times the volume of Sterilex Ultra CIP per 1000 gallons of system capacity. Circulate for at least one hour and then drain system. Rinse system with 6 volumes of water. If necessary, apply a solution containing 0.4 to 2 fl. oz. Sterilex Ultra CIP (and if cleaning is desired or the pH of the system is below 8, optionally add Sterilex Ultra Activator Solution or Ultra Soft Metal Activator 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.

DRAINS. Effectively removes and controls plugging and odors caused by accumulation of biofilm and other organic contaminants in drains. Prevents stoppage and odors. (Claim not approved in California)

DOSAGE RATES. Initial Dose for badly fouled systems. This product can be poured, foamed, wiped, brushed, applied using a clean in place CIP system, pumping it through the system or mopping. Apply from 6 fl. oz to 15 fl. oz Sterilex Ultra CIP per gallon of water to drain. Repeat until control is evident. Optionally, pour from 1 fl. oz. Sterilex Ultra CIP around or into one-inch diameter or smaller drains up to 90 fl. oz. Sterilex Ultra CIP around or into three-inch diameter drains. If cleaning is desired, add simultaneously Sterilex Ultra Activator Solution or Ultra Soft Metal Activator at the same volume as Sterilex Ultra CIP (1 – 90 fl. oz). For foam cleaning, add 6-15 oz. Sterilex Ultra CIP and an equal amount of Sterilex Ultra Activator Solution or Ultra Soft Metal Activator 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 CIP 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 or Ultra Soft Metal Activator at the same volume as Sterilex Ultra CIP (1 – 6 fl. oz) per gallon of water. Optionally, subsequent additions of 1 – 6 fl. oz. Sterilex Ultra CIP into one-inch diameter or smaller drains up to 6 fl. oz. Sterilex Ultra CIP into three-inch diameter drains, are employed every 7 days or as needed. If cleaning is desired, add simultaneously Sterilex Ultra Activator Solution or Ultra Soft Metal Activator at the same volume as Sterilex Ultra CIP (1 – 6 fl. oz.). For foam cleaning, add 1 – 6 oz. Sterilex Ultra CIP and an equal amount of Sterilex Ultra Activator Solution or Ultra Soft Metal Activator per gallon of water to a foaming device and foam the mixture into the drain.

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

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

Subsequent Dose: When microbial control is evident, subsequent slug additions of 1.5 - 2 fl. oz. Sterilex Ultra CIP and 1.5 - 2 fl. oz of Sterilex Ultra Activator Solution or Ultra Soft Metal Activator mixed into one gallon of hot water are employed every 7 days or as needed.
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(EPA No. 63761-8)

FOR PRECLEANING OF WHIRLPOOL BATHTUBS circulate a solution of 0.5 fl. oz. Sterilex Ultra CIP and 0.5 fl. oz. of Sterilex Ultra Activator Solution or Ultra Soft Metal Activator per 1 gal. tap water through tub and associated piping and filters at a temperature ≥ 90°F.

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. (Claim not approved in California)

DOSAGE 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 or Ultra Soft Metal Activator 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 and then drain system. Rinse system thoroughly. 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 or Ultra Soft Metal Activator 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 or Ultra Soft Metal Activator 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 and then drain system. Rinse system thoroughly. 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 or Ultra Soft Metal Activator 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.