

# BioSentry® 904 Disinfectant

## One-Step Disinfectant

**Cleaner – Sanitizer – Fungicide – Mildewstat – Virucide\* – Deodorizer**

**For Homes, Restaurants, Hospitals, Institutional and Industrial Use**

- Formulated for Effective Farm Premise Sanitation
- Formulated for Effective Poultry Premise Sanitation
- Formulated for Effective Swine Premise Sanitation
- Effective Mushroom Farm Sanitation
- Formulated for Veterinary Practice / Animal Care / Animal Laboratory Disinfection
- For use in federally inspected meat and poultry plants

**ACTIVE INGREDIENTS:**

Octyl decyl dimethyl ammonium chloride.....	6.510%
Dioctyl dimethyl ammonium chloride.....	2.604%
Didecyl dimethyl ammonium chloride.....	3.906%
Alkyl (C <sub>14</sub> , 50%; C <sub>12</sub> , 40%; C <sub>16</sub> , 10%) dimethyl benzyl ammonium chloride.....	8.680%
<b>OTHER</b>	
<b>INGREDIENTS</b> .....	<u>78.300%</u>
<b>TOTAL</b> .....	<b>100.000%</b>

EPA Est. No. 61282-WI-01

EPA Reg. No. 6836-78-61282

**KEEP OUT OF REACH OF CHILDREN  
DANGER / PELIGRO**

**FIRST AID**

<b>If in Eyes:</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye.
<b>If on Skin or Clothing:</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.
<b>If Swallowed:</b>	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 a poison control center or doctor. Do not give anything by mouth to an unconscious person.
<b>Note to Physician:</b> Probable mucosal damage may contraindicate the use of gastric lavage.	
Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling poison control center or doctor or going for treatment.	
<b>For 24-hour emergency information on this product, call 1-800-498-5743.</b>	

**ENVIRONMENTAL HAZARDS**

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.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER.** Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. Wear protective eyewear (goggles, face shield or safety glasses), protective clothing and protective (rubber or chemical resistant) gloves. Harmful if swallowed and / or if absorbed through the skin. 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.

Use **BioSentry 904 Disinfectant** on washable hard, nonporous surfaces of:  
Cabinets, Cages, Counters, Countertop Laminates, Floors, Garbage cans, Kennel runs, Sinks, Walls, and other hard nonporous surfaces made of Glazed ceramic, Glazed enameled surfaces, Glazed porcelain, Laminated surfaces, Metal, Plastic (such as polystyrene or polypropylene), Sealed stone, stainless steel, Vinyl and plastic upholstery, and finished woodwork.

**BioSentry 904 Disinfectant** is a sanitizer for hard nonporous non-food contact surfaces according to the method for Sanitizers - Non-Food Contact Surfaces, modified in the presence of 500 ppm hard water plus 5% organic serum in 60 seconds against:

Klebsiella pneumoniae                      Staphylococcus aureus

As a disinfectant, **BioSentry 904 Disinfectant** kills:

**Bacteria:**  
Pseudomonas aeruginosa                      Staphylococcus aureus  
Salmonella enterica                              Acinetobacter baumannii  
Burkholderia cepacia                              Campylobacter jejuni  
Corynebacterium ammoniagenes

Enterobacter cloacae NDM-1 positive  
 Enterococcus faecalis- Vancomycin Resistant  
 Escherichia coli, New Delhi Metallo-Beta Lactamase (NDM-1)

Enterococcus faecalis	Escherichia coli
ESBL Escherichia coli	Klebsiella pneumoniae

Klebsiella pneumoniae – NDM-1 positive  
 Legionella pneumophila Enterobacter aerogenes  
 Listeria monocytogenes Salmonella schottmuelleri  
 Salmonella typhi Serratia marcescens  
 Shigella dysenteriae Vibrio cholera  
 Staphylococcus aureus - Community Associated Methicillin-Resistant USA300  
 Staphylococcus aureus - Community Associated Methicillin-Resistant USA400  
 Staphylococcus aureus - Methicillin-Resistant MRSA  
 Staphylococcus aureus - Multi-Drug Resistant [resistant to tetracycline, penicillin, streptomycin and erythromycin and susceptible to chloramphenicol *in vitro*]  
 Staphylococcus aureus-Vancomycin Intermediate Resistant  
 Streptococcus pyogenes [a cause of scarlet fever]

**Viruses:**

*Adenovirus Type 5	*Adenovirus Type 7
*Hepatitis B Virus	*Hepatitis C Virus
*Herpes Simplex Virus Type 1	
*Herpes Simplex Virus Type 2	
*HIV-1 [AIDS Virus]	*Human Coronavirus
*Influenza Virus Type A / Brazil	
*Influenza Virus Type A / Hong Kong	
*2013 Influenza A Virus (H7N9)	
*Norwalk Virus [Feline Calicivirus]	
*Respiratory Syncytial Virus	*Rotavirus
*Norwalk Virus [Feline Calicivirus]	
*SARS Associated Coronavirus [SARS]	*Vaccinia Virus

Kills Pandemic 2009 H1N1 influenza A virus (formerly called swine flu).

**BioSentry 904 Disinfectant** is effective against:

Avian Influenza Virus (H3N2)  
 Avian Influenza Virus (H5N1)  
 Avian Infectious Bronchitis Virus  
 Canine Distemper Virus  
 Feline Calicivirus  
 Feline Panleukopenia Virus  
 Murine Norovirus<sup>1</sup>  
 Newcastle's Disease Virus  
 Pseudorabies Virus

**Fungi:**

Aspergillus fumigatus  
 Aspergillus niger  
 Trichophyton mentagrophytes [the Athlete's Foot Fungus]

<sup>1</sup>Tested in deionized water

**Dilution:**

Disinfection [1:256].....½ oz. per gallon of water  
 .....[848 ppm active]  
 Disinfection [1:128].....1 oz. per gallon of water  
 .....[1695 ppm active]  
 Disinfection [1:64].....2 oz. per gallon of water  
 .....[3390 ppm active]  
 Sanitizer [1:1024].....½ oz. per 4 gallons of water  
 .....[200 ppm active quat]

**DIRECTIONS FOR USE**

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

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.

**Preparation of Use-Solution:**

Mix ½ oz. per gallon of water [1:256]. For heavy duty use, mix 2 oz. per gallon of water [1:64]. Use 2 oz. per gallon of water to kill Adenovirus Type 5 and type 7.

**DISINFECTION / VIRUCIDAL\* / FUNGICIDAL / MOLD AND MILDEW CONTROL DIRECTIONS:**

Apply use-solution to hard, nonporous surfaces, thoroughly wetting surfaces with a cloth, mop, sponge, sprayer or by immersion. Treated surfaces must remain wet for 10 minutes. Wipe dry with a cloth, sponge or mop or allow to air dry. For heavily soiled areas, a preliminary cleaning is required.

For sprayer applications, use a coarse spray device. Spray 6 - 8 inches from the surface; rub with a brush, sponge or cloth. Do not breathe spray.

Rinse all surfaces that come in contact with food such as countertops, exteriors of appliances, tables and stovetops with potable water before reuse. Do not use on utensils, glassware and dishes.

**For fungicidal activity, BioSentry 904 Disinfectant** is an effective fungicide against Trichophyton mentagrophytes in areas such as locker rooms, dressing rooms, shower and bath areas and exercise facilities. Dilute at ½ per gallon in 200 ppm hard water and allow surface to remain wet for 10 minutes.

**For mold and mildew**, at ½ oz. per gallon, **BioSentry 904 Disinfectant** will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard, nonporous surfaces. Follow disinfection instructions. Repeat treatment every seven days, or more often if new growth appears.

**BACTERICIDAL STABILITY OF USE-DILUTION:**

Tests confirm that the use solution of this product, when stored in a sealed container such as a spray bottle, remains effective up to 3 months. If product becomes visibly dirty or contaminated, the use-dilution must be discarded and fresh product prepared. Always use clean, properly labeled containers when diluting this product. Bactericidal stability of the use-dilution does not apply to open containers such as buckets or pails.

This product is not for use on medical device surfaces.

**FOR USE ON FINISHED FLOORS:** To limit gloss reduction use **BioSentry 904 Disinfectant** at 1/2 oz. per gallon. Apply with a damp mop or autoscrubber. Allow surface to remain wet for 10 minutes. Wipe or allow to air dry. Do not use on floor finish at 2 oz. per gallon.

**Animal Viruses:**

Avian Influenza Virus (H3N2)  
 Avian Influenza Virus (H5N1)  
 Avian Infectious Bronchitis Virus  
 Canine Distemper Virus  
 Feline Calicivirus  
 Feline Panleukopenia  
 Murine Norovirus  
 Newcastle's Disease Virus  
 Pseudorabies Virus

**VETERINARY FACILITIES / ANIMAL CARE FACILITIES / ANIMAL LABORATORY FACILITIES / ZOOS / PET SHOPS / KENNELS DISINFECTION / VIRUCIDAL\* DIRECTIONS:**

For cleaning and disinfecting hard nonporous surfaces: equipment used for feeding or watering animals, utensils, instruments, cages, kennels, stables, catteries, pens, stalls and etc. Remove all animals and feeds from premises, animal transportation vehicles, crates, pens, stalls and etc. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Empty all feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of 1/2 oz. of **BioSentry 904 Disinfectant** per gallon of water [or equivalent dilution] for a period of 10 minutes. Use 2 oz. per gallon of water to kill Adenovirus Type 5 and Type 7. For murine norovirus use dilution must be made with deionized water. Wipe or allow to air dry. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals as well as forks, shovels, and scrapers used to remove litter and manure. Thoroughly scrub all treated surfaces, then rinse all surfaces that come in contact with food, including equipment used for feeding or watering, with potable water before reuse. Ventilate buildings, animal enclosures, vehicles and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

**FARM PREMISE USE:**

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. Saturate all surfaces with a use-solution of 1/2 oz. of **BioSentry 904 Disinfectant** per gallon of water [or equivalent dilution] for a period of 10 minutes. Use 2 oz. per gallon of water to kill Adenovirus Type 5 and Type 7. Use 8 oz. per gallon of water to kill Feline Panleukopenia Virus. For murine norovirus use dilution must be made with deionized water. Wipe or allow to air dry. 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, and rinse with potable water before reuse.

**POULTRY AND SWINE PREMISE DISINFECTION / VIRUCIDAL DIRECTIONS:**

Remove all animals and feeds from premises, vehicles and enclosures such as coops and crates. Remove all litter, droppings 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. Use 1/2 oz. of **BioSentry 904 Disinfectant** per gallon of water. Use 2 oz. per gallon of water to kill Adenovirus Type 5 and type 7. Saturate surfaces with the disinfecting solution for 10 minutes. 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, coops and other closed spaces. Do not house animals 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.

**Hatcheries:** Use 1/2 oz. of **BioSentry 904 Disinfectant** per gallon of water to treat hatchers, setters, trays, racks, carts, sexing tables, delivery trucks and other hard nonporous surfaces. Use 2 oz. per gallon of water to kill Adenovirus Type 5 and type 7. Leave all treated surfaces wet for 10 minutes or more. Wipe dry with a clean cloth or sponge or allow to air dry.

**Vehicles:** Treat all vehicles including mats, crates, cabs and wheels with water and **BioSentry 904 Disinfectant**. Use ½ oz. of **BioSentry 904 Disinfectant** per gallon of water to treat all vehicles. Use 2 oz. per gallon of water to kill Adenovirus Type 5 and type 7. Leave all treated surfaces wet for 10 minutes or more. Wipe dry with a clean cloth or sponge or allow to air dry.

**Dressing Plant Disinfectant Directions:** Disinfect equipment, utensils, walls and floors in poultry and animal dressing plants. Disinfect offal rooms, exterior walls and loading platforms of dressing plants. Cover or remove all food and packaging materials. Remove all heavy soils prior to application. Saturate all surfaces with a 1/2 oz. per gallon of water solution. Use 2 oz. per gallon of water to kill Adenovirus Type 5 and type 7. Scrub to loosen all soils. Surfaces must remain wet for 10 minutes, then thoroughly rinsed with potable water before operations are resumed.

#### **CITRUS CANKER DISEASE CONTROL:**

For prevention of Citrus Canker Disease through treatment of pre-cleaned equipment. Effective against *Xanthomonas axonopodis* pv. citri [Citrus Canker Disease] at 2000 ppm active quat. Apply treatments to trucks, attached trailers, and field harvesting equipment including cargo area, wheels, tires, undercarriage, hood, roof, fenders, and any other hard non-porous part of the equipment that can be taken into infested areas.

Thoroughly clean all hard nonporous surfaces with soap or detergent and rinse with water. Then saturate surfaces with a 1:109 use-dilution. [1.2 oz. of **BioSentry 904 Disinfectant** per gallon of water or 6 oz. of **BioSentry 904 Disinfectant** per 5 gallons of water, or equivalent dilution] [2000 ppm active quat] for a period of 10 minutes. Allow to air dry. All surfaces that come in contact with food or crop must be rinsed with potable water before reuse. To prevent the spread of Citrus Canker Disease by this artificial means of transportation, treatments are made by trigger spraying, dipping or brushing. Clothing must be either rinsed or laundered before reuse. Footwear must be rinsed before reuse.

#### **TO SANITIZE NON-FOOD CONTACT SURFACES:**

Mix ½ oz. of **BioSentry 904 Disinfectant** per 4 gallons of water to sanitize hard nonporous surfaces. Treated surfaces must remain wet for 60 seconds. Wipe dry with a sponge, mop, or cloth or allow to air dry. Do not use in food preparation, food handling and food storage areas. This product is not to be used on glassware, dishware, cookware or utensils.

**SHOE BATH SANITIZER DIRECTIONS:** To prevent cross contamination into animal areas, shoe baths containing one inch of freshly made solution must be placed at all entrances to buildings and hatcheries. Scrape waterproof work boots and place in a 1/2 oz. per 4 gallons of water use-solution for 60 seconds prior to entering area. Change the solution in the bath daily or when solution appears diluted or soiled.

#### **SHOE FOAM SANITIZING DIRECTIONS:**

To prevent cross contamination into animal areas and the packaging and storage areas of food plants. Apply a foam layer approximately 1/2 to 2 inches thick made from a solution of 1/2 oz. of **BioSentry 904 Disinfectant** per 2 – 5 1/2 gallons of water [400 – 150 ppm active quat] [or equivalent dilution], at all entrances to buildings, hatcheries, production and packaging rooms by using a foam generating machine or aerator to apply the foam layer. Follow the foaming directions as specified by the manufacturer of the foam generator or aerator. Scrape waterproof work boots. Stand or walk through foamed area for 60 seconds prior to entering area. Wash and replace Foam Area at least daily or more often if the Foam Area appears diluted or soiled.

**TO CLEAN AND DEODORIZE:** Mix ½ oz. of **BioSentry 904 Disinfectant** per gallon of water to clean and deodorize surfaces. Apply using a cloth, mop, sponge or sprayer. Wipe or allow to air dry.

**Cleaning Solution:** Dilute ½ - 1 oz. per gallon of water for cleaning of kitchen counters, tables, walls, bathrooms, toilet seats, mopping floors and large routine applications.

**Mopping Solutions, Automatic Scrubbers:** Use 1/2 - 1 oz. per gallon of cleaning solution eliminates undesirable odors.

**Pet Odors:** Use 2 - 3 oz. per gallon of water or desired concentration, for urine, feces, and vomit, in carpet and upholstery. Clean prior to application then spray onto affected areas. Test hidden area for colorfastness. Allow 10 minutes contact time. Then blot with clean cloth. Allow to dry. Also effective on pet bedding and litter boxes.

**Sewage Backup, Water Damage:** Use 1 – 2 oz. per gallon of water or desired concentration. Spray over affected areas before and after cleaning and extraction. Allow ten minutes contact time. Use proper ventilation; open windows.

**STORAGE AND DISPOSAL**

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Open dumping is prohibited. Store in original container in areas inaccessible to children.

**Pesticide Disposal:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray 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. Clean container promptly after emptying. Triple rinse as follows: Fill container ¼ full with water and reclose the container. Agitate vigorously, and dispose of rinsate consistent with pesticide disposal instructions. Repeat two more times. Then offer for recycling if available or puncture and dispose in sanitary landfill or by other procedures approved by state and local authorities. Follow pesticide disposal instructions for rinsate. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.

For non-emergency (e.g. current product information)  
call: **1-800-621-8829**

**Manufactured By:  
HACCO, Inc.  
110 Hopkins Drive  
Randolph, WI 53956**

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**Marketing Statements:**

Cleans [Cleaner]  
Concentrate [Concentrated]  
Deodorizes [Deodorant]  
Disinfects [Disinfectant]  
This product contains no [phosphates] [or] [phosphorous compounds].

**BioSentry 904 Disinfectant:**

- deodorizes by killing microorganisms that cause offensive odors.
- delivers non-acid disinfectant and cleaning performance in an economical concentrate.
- eliminates 99.9% of Staphylococcus aureus and Klebsiella pneumoniae in 60 seconds.
- effectively controls malodors.
- is effective yet economical.

- is a complete, chemically balanced disinfectant [and sanitizer] [that provides clear use solutions even in the presence of hard water].
- is a concentrated disinfectant cleaner that is effective against a broad spectrum of bacteria, is virucidal\* fungicidal, and inhibits the growth of mold and mildew, and their odors, when used as directed.
- is a mildewstat and will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard nonporous surfaces.
- is a disinfectant and sanitizer for hard, nonporous nonfood contact surfaces in Veterinarian, Animal care and Farm Premise applications.
- is effective against Citrus Canker Disease [Xanthomonas axonopodis pv. citri] at 2000-ppm active quat.
- Kills avian influenza A (H3N2) and (H5N1) on pre-cleaned environmental surfaces
- Kills Germs, Bacteria, Viruses\* on pre-cleaned environmental surfaces
- meets Sanitizer Test standards for non-food contact sanitizers.
- provides long lasting freshness against tough pet odors such as odors from litter boxes and pet accidents.
- will not leave grit or soap scum.

**Use BioSentry 904 Disinfectant**

- as a disinfectant on hard, nonporous surfaces.
- for Farm Premise Sanitation of hard nonporous surfaces: floors, walls, feed racks, mangers, troughs, automatic feeders, fountains and waterers, forks, shovels, scrapers and other nonporous surfaces in barns, pens, stalls, chutes and other facilities and fixtures occupied or traversed by animals.
- for Poultry Premise Sanitation [Hatcheries]: Egg Receiving Area, Egg Holding Area; Setter Room, Tray Dumping Area, Trays, Buggies, Racks, Egg Flats, Chick Holding Room, Hatchery Room, Chick Processing Area, Chick Loading Area, Poultry Buildings, Ceilings, Sidewalls and Floors, Drinkers and other Poultry House related equipment, and all other hard, nonporous surfaces in the Hatchery environment.
- for Swine Premise Sanitation: Waterers and Feeders, Hauling Equipment, Dressing Plants, Loading Equipment, Farrowing Barns and areas, Nursery blocks, Creep area, Chutes.
- in federally inspected Meat & Poultry Plants as a disinfectant or non-food contact sanitizer on all surfaces in inedible product processing areas, nonprocessing areas and / or exterior areas. This product was authorized by USDA as category D1 under the prior authorization program and its formula has not been changed.
- on coils and drain pans of air conditioning and refrigeration equipment and heat pumps. Follow the directions for sanitization of non-food contact surfaces.
- to clean and sanitize nonporous personal protective safety

- equipment: protective headgear, hard hats, half-mask respirators, full face breathing apparatus, gas masks, goggles, spectacles, face shields, hearing protectors and ear muffs. Rinse all equipment that comes in prolonged contact with skin before reuse with clean warm water [about 120°F], and allow to air dry. [Precaution: Cleaning at 120°F temperature will avoid overheating and distortion of the personal safety equipment which would necessitate replacement].
- to clean and disinfect finished floors. Can be applied with damp mop or autoscrubber. Cleans and disinfects without dulling gloss.
- to clean and disinfect finished floors, sinks and tubs.
- with a mop and bucket, trigger sprayer, sponge or by soaking.

Veterinary Clinics

Trailers	Animal laboratories
Food Preparation Areas	Dairy farms
Food processing plants	Farms
Food storage areas	Kennels
USDA inspected food processing facilities	Mushroom Farms
Poultry farms	Pet animal quarters
Hog farms	Pet shops
Turkey farms	Zoos

Code (NI.RL.) NO.RL.

Item No.: D12709560  
 Net Contents: 1 gallon  
 UPC: 0 23626 02070 (2)  
 Format: UPC-A  
 Label:

Item No.: D12709560  
 Net Contents: 4 x 1 gallon  
 UPC: 000 23626 02085 (6)  
 Format: Interleaved 2-of-5  
 Label: Case Label

Item No.: D12695590  
 Net Contents: 55 gallon  
 UPC: 0 23626 02095 (5)  
 Format: UPC-A  
 Label: