

# BioSentry® 904 Disinfectant

**Bactericide • Fungicide • Virucide\***

**FOR INDUSTRIAL AND COMMERCIAL USE ONLY**

- \* Poultry Hatchery Disinfectant
- \* Farm Premise Disinfectant
- \* Veterinary and Animal Care Disinfectant
- \* For Chicken, Turkey, Duck, Quail, Ostrich and Other Avian Hatcheries
- \* For Poultry, Swine, and Livestock Premises
- \* For Veterinary, Laboratory Animal, Kennel and Animal Breeder Facilities
- \* Effective in 400-ppm Hard Water as (CaCO<sub>3</sub>)
- \* Disinfects in 5% Organic Soil Load

**ACTIVE INGREDIENTS:**

Didecyl dimethyl ammonium chloride.....9.2%  
 Alkyl (C<sub>12</sub>-61%, C<sub>14</sub>-23%, C<sub>16</sub>-11%, C<sub>18</sub>-2.5%, C<sub>8</sub> & C<sub>10</sub>,  
 2.5%) dimethyl benzyl ammonium chloride .....9.2%  
 Alkyl (C<sub>12</sub>-40%, C<sub>14</sub>-50%, C<sub>16</sub>-10%)  
 dimethyl benzyl ammonium chloride.....4.6%  
 bis-n-tributyltin oxide .....1.0%

**INERT INGREDIENTS:**.....76.0%

**TOTAL:**.....100.00%

EPA Est. No. 61282-WI-1

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

<b>FIRST AID</b>	
<b>Have label with you when obtaining treatment advice.</b>	
<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 the first 5 minutes, then continue rinsing eye.
<b>If on skin or on 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.
<b>If inhaled</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
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. <b>For 24-hour emergency information on this product, call 1-800-498-5743 (US &amp; Canada) or 1-651-523-0318 (all other areas).</b>	
<b>NOTE TO PHYSICIAN:</b> Probable mucosal damage may contraindicate the use of gastric lavage.	

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
**DANGER: Corrosive:** Causes severe eye and skin damage. Do not get in eyes, on skin, or on clothing. Wear protective eyewear (goggles, face shield or safety glasses), protective clothing and rubber gloves when handling. Harmful or fatal if swallowed or inhaled. Avoid breathing vapors or spray mist. Avoid contamination of food. Wash thoroughly with soap and

water after handling. Remove and wash contaminated clothing before reuse.

**PHYSICAL AND CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority.

**BROAD SPECTRUM GERMICIDAL ACTION IN HARD WATER AND UNDER SOIL LOAD CONDITIONS:**

At 1/2 ounce per gallon (1:256) in official A.O.A.C. Use Dilution and Fungicidal Tests, BioSentry® 904 Disinfectant is effective in water up to 400ppm hardness (as CaCO<sub>3</sub>) and an organic soil load of 5% serum against the following organisms:

**BACTERIA**

- Actinobacillus pleuropneumoniae* ATCC 27088
- Actinomyces pyogenes* ATCC 19411
- Alcaligenes faecalis* ATCC 8748
- Bordetella avium* ATCC 35086
- Bordetella bronchiseptica* ATCC 19395
- Corynebacterium psuedotuberculosis* ATCC 19410
- Enterobacter aerogenes* ATCC 63809
- Enterococcus faecium* ATCC 6569
- (Streptococcus faecalis)*
- Escherichia coli* ATCC 11229
- Klebsiella pneumoniae* ATCC 4352
- Mycoplasma hypopneumoniae* ATCC 25934
- Mycoplasma gallinarum* ATCC 19708
- Mycoplasma gallisepticum* ATCC 15302
- Mycoplasma iners* ATCC 19705
- Pasteurella multocida* ATCC 7707
- Proteus mirabilis* ATCC 25933
- Proteus morgani* ATCC 25830
- Pseudomonas aeruginosa* ATCC 15442
- Rhodococcus equi* ATCC 6939
- Staphylococcus aureus* ATCC 6538
- Salmonella choleraesuis* ATCC 10708
- Salmonella enteritidis* ATCC 4931
- Salmonella gallinarum* ATCC 9184
- Salmonella pullorum* ATCC 9120
- Salmonella typhosa* ATCC 6539
- Serratia marcescens* ATCC 264
- Shigella dysenteriae* ATCC 13313
- Shigella sonnei* ATCC 29930
- Streptococcus equi var. equi* ATCC 33398
- Streptococcus agalactiae* ATCC 27916
- Streptococcus pyogenes* ATCC 9547
- Streptococcus equi var. zooepidermicus* ATCC 43079

**FUNGI**

- Aspergillus fumigatus* ATCC 10894
- Candida albicans* ATCC 18804
- Trichophyton mentagrophytes var. interdigitale* ATCC 9533

**VIRUSES:** Using accepted virus propagation and hard surface test methods, BioSentry® 904 Disinfectant is effective at 1:256 in 400ppm hard water and 5% serum against the following viruses:

Avian influenza	ATCC VR-798
Avian laryngotracheitis	ATCC VR-783
Canine distemper	Onderstepoort strain
Canine herpesvirus	ATCC VR-552
Canine parvovirus	ATCC VR-953
Equine herpesvirus	ATCC VR-700
Equine influenza A	ATCC VR-297
Feline infectious peritonitis	Strain DF-2
Infectious bronchitis	ATCC VR-22
Infectious bursal disease (Gumboro)	ATCC VR-478
Newcastle's disease	ATCC VR-109
Parainfluenza	ATCC VR-281
Porcine parvovirus	ATCC VR-742
Pseudorabies	ATCC VR-135
Swine PRRS virus	Reference Strain, NVSL
Transmissible gastroenteritis	ATCC VR-763
Vesicular stomatitis virus	Indiana

BioSentry® 904 Disinfectant is a complete, chemically balanced disinfectant providing clear use solutions even in hard water – is a residual bacteriostat and inhibits bacterial growth on moist surfaces – contains rust and corrosion inhibitors – deodorizes by killing most microorganisms that cause offensive odors – kills a broad range of gram-negative and gram-positive bacteria, fungi and viruses associated with the avian hatching industry, poultry, swine and livestock premises, laboratory animal facilities and kennels. Contains sequestering agents, to prevent the precipitation of minerals and metals from hard water.

**DIRECTIONS FOR USE**

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

**DIRECTIONS FOR USE ON POULTRY, SWINE AND LIVESTOCK FARMS**

**GENERAL FARM DISINFECTANT USES:**

(1/2 ounce per gallon)

- (a) Remove all livestock and feeds from premises, trucks, coops or crates to be treated.
- (b) Remove all litter, bedding and manure from floors, walls and surfaces of facilities traversed or occupied by animals.
- (c) Empty all feeding devices and watering appliances.
- (d) Clean all surfaces with water or water and a compatible detergent.
- (e) Saturate all surfaces with this product diluted at 1/2 ounce per gallon of water using a brush, cloth, mop or mechanical spraying device. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels and scrapers used in removing litter and manure. Treated surfaces must remain moist for at least 10 minutes for proper germicidal action.
- (f) Ventilate buildings, trucks, coops and other closed spaces. Do not house livestock or use equipment until treatment has thoroughly dried.
- (g) Thoroughly scrub treated feeding and watering equipment with detergent and rinse with potable water before reuse.

**FOR DISINFECTING PRECLEANED SURFACES:** Use BioSentry® 904 Disinfectant to disinfect precleaned surfaces

including hatchers, setters, trays, racks, egg flats, walls, floors, ceilings and other surfaces in the hatchery environment. It is also excellent for chickboxes, egg cases, vans and trash containers. Preclean the surface to be disinfected with a compatible BioSentry® hatchery cleaner. Rinse and if possible let surfaces dry. Then, apply BioSentry® 904 Disinfectant at 1/2 ounce per gallon by immersion, by flowing solution over treated surfaces, by use of a soft coarse spray, or with a clean mop, cloth or through a foaming apparatus. Thoroughly wet surfaces. Surfaces should remain moist for 10 minutes for complete disinfection. Do not rinse. Leave treatment on treated surfaces to maintain a bacteriostatic effect on moist surfaces.

**NOTE:** Do not spray BioSentry® 904 Disinfectant disinfecting solutions unless workers are protected from breathing the spray mist.

**DISINFECTING CHICK VANS, EGG TRUCKS, HATCHERY AND FARM VEHICLES:** Clean and rinse vehicles and disinfect with 1/2 ounce BioSentry® 904 Disinfectant per gallon. If desired, rinse after 10 minutes of contact or leave unrinsed.

**VEAL, CALVING, HOG, CATTLE AND HORSE OPERATIONS:** Between depopulations of facilities, cleaning and disinfection of pens, hutches, aisles, ventilation equipment, utensils and other environmental surfaces may be required. Flush soils from these areas and clean and disinfect with 1/2 ounce per gallon of BioSentry® 904 Disinfectant. Take care to avoid disinfectant use solution contact with animals, feed, feed equipment, water or watering devices. If spray contacts feeders or waterers, scrub them and rinse well with potable water before they are reused.

**BOOT BATH:** Use 1 ounce per gallon in boot baths. Change solution daily and anytime it becomes visibly soiled. Use a nylon bristled brush to clean soils from boots.

**SANITIZING HATCHERY ROOMS USING THE BIOSENTRY® FOGGER 185 OR agMISTER:** Close room off so fog is confined to room to be treated. Mix one (1) part BioSentry® 904 Disinfectant to five (5) parts water (1/2 gallon to 2.5 gallons water). Insert the nozzle of the fogger through a suitable opening into the room. With the setting on maximum output, fog for one (1) minute for each 113 m<sup>3</sup> of space in the room with the BioSentry® Fogger 185. If using the agMister, fog for 3 minutes for each 113 m<sup>3</sup> of space in the room. Do not allow people to breathe or contact the fog or to enter the room until the fog has completely settled or exhausted. Normally this is 1-4 hours in this environment.

**NOTE:** The fog generated by the BioSentry® Fogger 185 and the agMister is very irritating to eyes, skin and mucous membranes. Under no circumstances should a room or building be entered by anyone until the fog has completely settled, normally 1-4 hours after the actual fogging. If the building or room must be entered, then the individuals entering the building or room must wear a self-contained respirator, goggles, long shirt sleeves and pants.

**SANITIZING INCUBATORS AND HATCHERS BY FOGGING:** Prepare a stock solution of 6 fluid ounces BioSentry® 904 Disinfectant to 122 ounces of water. Fog 3-8 ounces of this into setters and hatchers immediately after

transfer. Repeat daily in setters and every 12 hours into hatchers. Discontinue hatcher treatments approximately 24 hours before pulling the hatch. Do not allow people to contact or breathe this fog and do not enter machines until the fog has settled (30-60 minutes after fogging is completed). To do this, install permanent fogging nozzles in setters and hatchers and use an air compressor to disperse the sanitizing solution as a fog.

It is also satisfactory to fog setters and hatchers with a 1/2 ounce per gallon solution of BioSentry® 904 Disinfectant. If this is done, fog for 30-90 seconds once per hour or once every two hours.

#### **SANITIZING POULTRY HOUSES AND LIVESTOCK BUILDINGS USING BIOSENTRY® 904 DISINFECTANT THROUGH THE BIOSENTRY®**

**FOGGER 185:** After the house has been depopulated and cleaned as in (a) (b) (c) and (d) under "General Farm Disinfectant Uses," double check to be sure all people, poultry, livestock and pets have vacated the building. Close all windows, doors, louvers, curtains, etc. making the house as closed and tight as possible. Mix one (1) part BioSentry® 904 Disinfectant with two (2) parts water in the reservoir of the BioSentry® Fogger 185 or agMister. With the setting on maximum output, fog the treatment into the room or building to be sanitized. Use a total of one (1) gallon of BioSentry® 904 Disinfectant for each 557-743 m<sup>3</sup> of floor space. If the area is more than 25 feet high, use two (2) gallons per 557-743 m<sup>3</sup> of floor space. In multi-story buildings, the application must be repeated for each floor that is to be sanitized. The fogger itself may be placed just inside the door of the building to be treated, or the nozzle of the fogger may be inserted through a suitable opening in the door or building. The opening should be just large enough to accommodate the nozzle. After fogging, the building should be kept closed for twenty-four hours. After 24 hours, the fog should have settled and the house can now be opened and aired. The house should be opened for a minimum of 24 hours before it is repopulated with poultry or livestock.

**NOTE:** The fog generated by the BioSentry® Fogger 185 and the agMister is very irritating to eyes, skin and mucous membranes. Under no circumstances should a room or building be entered by anyone until the fog has completely settled, normally 2-4 hours after the actual fogging. If the building or room must be entered, then the individuals entering the building or room must wear a self-contained respirator, goggles, long shirt sleeves and pants. If feeders and waterers were not removed from the premise during treatment, or were not adequately covered to prevent contact with treatment, they should be washed with detergent and water before use for poultry or livestock.

Do not use BioSentry® 904 Disinfectant on vaccination equipment, needles or diluent bottles as the residual germicide may render the vaccines ineffective. BioSentry® 904 Disinfectant should not be mixed with other cleaning or disinfecting compounds or products.

**DIRECTIONS FOR USE IN VETERINARY CLINICS, ANIMAL CARE FACILITIES, ANIMAL RESEARCH CENTERS, ANIMAL BREEDING FACILITIES, KENNELS AND ANIMAL QUARANTINE AREAS:** BioSentry® 904 Disinfectant is a one-step germicide, fungicide, soapless cleaner and deodorant effective in the presence of organic soil (5% serum). It is non-selective and when used as directed, will not harm tile, terrazzo, resilient flooring, concrete, painted or varnished wood, glass or metals.

For cleaning and disinfecting the following hard nonporous surfaces: equipment, utensils, instruments, cages, kennels, stables, stalls and catteries. Remove all animals and feeds from premises, animal transportation vehicles, crates, etc. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals.

Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use solution of 1/2 ounce per gallon of water (or equivalent dilution) for a period of 10 minutes. Apply by immersion, flushing solution over treated surfaces or with a mop, sponge, cloth or bowl mop to thoroughly wet surfaces. To clean badly soiled areas, use up to 1½ ounces per gallon of water. To control mold and mildew growth on previously cleaned, hard nonporous surfaces, use 1/2 ounce per gallon. Allow to dry without wiping. Reapply as new growth appears. Prepare fresh solutions daily or when solution becomes diluted or soiled.

Ventilate buildings 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, automatic feeders, waterers and other equipment that dispenses food or water with soap or detergent, and rinse with potable water before reuse.

#### **STORAGE AND DISPOSAL**

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

*For Container Sizes 1 Gallon or Less:*

Store in original container in areas inaccessible to children. Do not store on side. Avoid creasing or impacting of side walls. Do not reuse empty container. Discard in trash or recycle.

*For Container Sizes Greater than 1 Gallon:*

#### **PESTICIDE STORAGE:**

Do not store on side. Avoid creasing or impacting of side walls.

#### **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 local environmental control agency for guidance.

#### **CONTAINER DISPOSAL:**

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by local authorities, by burning. If burned, stay out of smoke.

**CONDITIONS OF SALE AND LIMITATION OF  
WARRANTY AND LIABILITY**

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

Manufacturer and Seller warrant that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Manufacturer, and Buyer and User assume the risk of any such use. MANUFACTURER AND SELLER MAKE NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall Manufacturer or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF MANUFACTURER AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF MANUFACTURER OR SELLER, THE REPLACEMENT OF THE PRODUCT.

Manufacturer and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of Manufacturer.

**Medical 1-651-523-0318 (International)  
? 1-800-621-8829**

**Manufactured For:  
HACCO, Inc.  
110 Hopkins Drive  
Randolph, WI 53956 U.S.A.**

**Imported By:  
Australia**

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Item No.:  
Net Contents: 3.785 Liters (1 Gallon)  
UPC:  
Format:  
Label:

Code (NG.NT.) NG.NO.