

# BioSentry® 904 Disinfectant

## DISINFECTANT

Poultry Hatchery, Farm Premises and Animal Care Disinfectant

**GUARANTEE:**

- Didecyl dimethyl ammonium chloride.....9.2%
- Alkyl (C<sub>12</sub>-67%, C<sub>14</sub>-25%, C<sub>16</sub>-7%, C<sub>18</sub>-1%)  
dimethyl benzyl ammonium chloride.....7.6%
- Alkyl (C<sub>12</sub>-40%, C<sub>14</sub>-50%, C<sub>16</sub>-10%)  
dimethyl benzyl ammonium chloride.....6.2%

DIN# 02319756

EPA Est. No. 61282-WI-1

**READ THE LABEL BEFORE USING**

**KEEP OUT OF REACH OF CHILDREN**

**PRECAUTION / DANGER**



**CORROSIVE • POISON**

**AGRICULTURAL**

**EYE AND SKIN IRRITANT**

See side panel for Precautionary Statements

See inside booklet for complete details on application rates, directions for use and use limitations.

BioSentry® 904 Disinfectant is effective in 400 ppm hard water (as CaCO<sub>3</sub>). Disinfects in 5% organic soil load. Recommended for chicken, turkey, duck, quail, goose, ostrich and other avian hatcheries. Effective in poultry, swine and livestock (including equine) premises. Useful in laboratory animal and animal breeder facilities.

BioSentry® 904 Disinfectant contains sequestering agents, to prevent the precipitation of minerals and metals from hard water.

- deodorizes by killing most microorganisms that cause offensive odours.
- contains no perfume to mask or hide any odours that might exist.

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

At four (4) mL per liter (1:250) in official A.O.A.C. Use-Dilution and Fungicidal Tests, BioSentry® 904 Disinfectant is effective in water up to 400 ppm hardness (as CaCO<sub>3</sub>) and an organic soil load of 5% serum, against the following organisms:

**BACTERIA**

<i>Alcaligenes faecalis</i>	ATCC 8748
<i>Bordetella avium</i>	ATCC 35086
<i>Enterobacter aerogenes</i>	ATCC 63809
<i>Enterococcus faecium</i> ( <i>Streptococcus faecalis</i> )	ATCC 6569
<i>Escherichia coli</i>	ATCC 11229
<i>Klebsiella pneumoniae</i>	ATCC 4352
<i>Pasteurella multocida</i>	ATCC 7707
<i>Proteus mirabilis</i>	ATCC 25933
<i>Proteus morgani</i>	ATCC 25830

<i>Pseudomonas aeruginosa</i>	ATCC 15442
<i>Salmonella choleraesuis</i>	ATCC 10708
<i>Salmonella enteritidis</i>	ATCC 4931
<i>Salmonella gallinarum</i>	ATCC 9184
<i>Salmonella pullorum</i>	ATCC 9120
<i>Salmonella typhosa</i>	ATCC 6539
<i>Serratia marcescens</i>	ATCC 264
<i>Shigella dysenteriae</i>	ATCC 13313
<i>Shigella sonnei</i>	ATCC 29930
<i>Staphylococcus aureus</i>	ATCC 6538
<i>Streptococcus agalactiae</i>	ATCC 27916
<i>Streptococcus pyogenes</i>	ATCC 9547

**FUNGI**

<i>Aspergillus fumigatus</i>	ATCC 10894
<i>Candida albicans</i>	ATCC 18804
<i>Trichophyton mentagrophytes</i> var. <i>interdigitale</i>	ATCC 9533

**VIRUSES/MYCOPLASMA:** Using accepted virus propagation and hard surface test methods, BioSentry® 904 Disinfectant is effective at 1:250 in 400 ppm hard water and 5% serum against the following viruses and mycoplasma:

Bornavirus	ATCC VR-478
Canine parvovirus canin	ATCC VR-953
Coronavirus	ATCC VR-22
Coronavirus	ATCC VR-763
Herpesvirus	ATCC VR-135
Herpesvirus	ATCC VR-783
Mycoplasma gallisepticum	ATCC 15302
Mycoplasma iners	ATCC 19705
Parainfluenza	ATCC VR-281
Paramyxovirus	ATCC VR-109

**PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN.**

**DANGER: IRRITANT TO EYES. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. HARMFUL IF SWALLOWED. AVOID CONTAMINATION OF FOOD. WHEN HANDLING THE CONCENTRATE, OR WHEN THERE IS POTENTIAL FOR EYE CONTACT, WEAR GOGGLES. IF THE BUILDING OR ROOM MUST BE ENTERED, THEN THE INDIVIDUALS ENTERING THE BUILDING OR ROOM MUST WEAR A SELF-CONTAINED RESPIRATOR APPROVED BY NIOSH / MSHA, GOGGLES, LONG SHIRT SLEEVES AND PANTS. FOR GOOD HYGIENE PRACTICES, WEAR CHEMICAL RESISTANT GLOVES WHEN USING THIS PRODUCT.**

Do not spray or apply this product unless the workers are wearing a face mask with spray mist eliminating cartridges. Do not use BioSentry® 904 Disinfectant on feeders or waterers and do not allow contact with food, feed or drinking water. BioSentry® 904 Disinfectant should not be mixed with other cleaning or disinfecting compounds. Do not use BioSentry® 904 Disinfectant on vaccination needles, equipment or diluent bottles as the residual germicide may render vaccines ineffective.

**FIRST AID:** In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For contact with eyes, call a physician. Remove and wash contaminated clothing before reuse. If swallowed, promptly drink a large

quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately. Take container, label or product name with you when you seeking medical attention.

**TOXICOLOGICAL INFORMATION:** Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsions may be needed. Refer to MSDS sheet.

**DISPOSAL:**

- (1) Rinse the emptied container thoroughly and add the rinsings to the treatment site.
- (2) Follow provincial instructions for any required additional cleaning of the container prior to its disposal or reconditioning.
- (3) Make the empty container unsuitable for further use.
- (4) Dispose of the container in accordance with provincial requirements.
- (5) For information on the disposal of unused, unwanted product and the clean up of spills, contact the Provincial Regulatory Agency.

**DIRECTIONS FOR USE**

BioSentry® 904 Disinfectant is a complete, chemically balanced disinfectant that provides clear use solutions even in cold water. Kills a broad range of gram-negative and gram-positive bacteria, fungi and viruses associated with the avian hatching industry, poultry, swine and livestock (including equine) premises, laboratory animal facilities and kennels. (See antimicrobial efficacy chart on the container label.)

**DIRECTIONS FOR USE IN AVIAN HATCHERIES:** For disinfecting precleaned surfaces: Use BioSentry® 904 Disinfectant to disinfect precleaned non-porous surfaces including hatchers, setters, trays, racks, egg flats, walls, floors, ceilings and other surfaces in the hatchery environment. It is also excellent for chick boxes, egg cases, vans and trash containers.

Preclean the surface to be disinfected with a BioSentry® hatchery cleaner. Rinse and if possible let surfaces dry. Then, apply BioSentry® 904 Disinfectant at four (4) mL per litre of water (0.40%) by immersion, by flowing solution over treated surfaces, by use of a soft coarse spray, with a clean mop or cloth, or through a foaming apparatus. Thoroughly wet surfaces. Surfaces should remain moist for 10 minutes for complete disinfection.

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

**SANITIZING HATCHERY ROOMS BY FOG APPLICATION:**

Close room off so fog is confined to the room to be treated. Mix one (1) part BioSentry® 904 Disinfectant to five (5) parts water. Insert the nozzle of the fogger through a suitable opening into the room. With the setting on maximum output, fog for one (1) to three (3) minutes for each 113 cubic meters of space in the room (4000 ft<sup>3</sup>). Duration of fogging time is dependent on type of fogging equipment used. Refer to fogger instructions. Under no circumstances should a room or building be entered by anyone within 4 hours or until fog has completely settled.

***NOTE:** The fog generated is very irritating to the 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 feeders and waterers were not removed from the premises 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.*

**SANITIZING INCUBATORS AND HATCHERS BY FOGGING:**

Prepare a stock solution of 45 mL BioSentry® 904 Disinfectant to 1 litre of water. Fog 90 – 240 mL of this into setters and hatchers immediately after transfer. Repeat daily in setters and every 12 hours in hatchers. Discontinue hatcher treatments approximately 24 hours prior to 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. Contact your BioSentry® Technical Representative if you need assistance.

It is also satisfactory to fog setters and hatchers with 4 mL of BioSentry® 904 Disinfectant per litre of water. If this is done, fog for 30 – 90 seconds once per hour or once every two hours. Contact your BioSentry® Technical Representative for assistance.

**DISINFECTING CHICK VANS, EGG TRUCKS, HATCHERY AND FARM VEHICLES:**

Clean and rinse vehicles and disinfect with 4 mL per litre of BioSentry® 904 Disinfectant. Rinse after 10 minutes contact. BioSentry® 904 Disinfectant should not be mixed with other cleaning or disinfecting compounds or products.

**DIRECTIONS FOR USE ON POULTRY, SWINE AND LIVESTOCK (INCLUDING EQUINE) FARMS**

**GENERAL FARM DISINFECTANT USES:**

(4 mL per litre, 1:250)

- (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 BioSentry® 904 Disinfectant diluted at 4 mL per litre of water using a brush, cloth, mop or mechanical spraying device. Small items (forks, shovels, scrapers) may be immersed. 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 all feeding and watering equipment with detergent and rinse with potable water before reuse.

**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 4 mL of BioSentry® 904 Disinfectant per litre of water. Take care to avoid disinfectant use solution contact with animals, feed, feed equipment, water or watering devices as indicated above. If spray contacts feeders or waterers, scrub them and rinse well with potable water before they are reused.

**BOOT BATH:** Use 8 mL of BioSentry® 904 Disinfectant per litre of water (1:125) in boot baths. Change solution daily and anytime it becomes visibly soiled. Use a nylon bristled brush to clean soils from boots.

**SANITIZING POULTRY HOUSES AND LIVESTOCK BUILDINGS USING BIOSENTRY® 904 DISINFECTANT VIA THERMAL FOGGING:**

After the building 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 building as closed and tight as possible. Mix one (1) part BioSentry® 904 Disinfectant with two (2) parts water in the reservoir of the fogger. With the setting on maximum output, fog the treatment into the room or building to be sanitized. Use a total of one litre of BioSentry® 904 Disinfectant for each 186 square meters of floor space. If the area is more than 8 meters high, use two (2) litres per 186 square meters 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 twenty-four hours the fog should have settled and the building can then be opened and aired. The building should be opened for a minimum of twenty-four hours before it is repopulated with poultry or livestock.

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

**DIRECTIONS FOR USE IN 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 surfaces, varnished wood, glass or metals.

- To clean and disinfect hard surfaces, use 4 mL of BioSentry® 904 Disinfectant per litre of water (1:250). Apply by immersion, flushing solution over treated surfaces or with a mop, sponge, cloth or bowl mop to thoroughly wet surfaces. Prepare fresh solutions daily or when solution becomes visible dirty.
- To clean badly soiled areas, use up to 12 mL per litre of water (1:83).
- To disinfect, allow treated surfaces to stand for at least 10 minutes before wiping or rinsing.
- To control mould and mildew growth on previously cleaned, hard non-porous surfaces, use 4 mL per litre. Allow to dry without wiping. Reapply as a new growth appears.

*See primary container labelling for complete details on precautions and disposal information.*

**NOTICE TO USER:** This product is to be used only in accordance with the directions on the primary container labelling.

**Medical 1-800-498-5743  
? 1-800-621-8829**

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Item No.: D12709557-CAN  
Net Contents: 3.8 Liters  
UPC: 023626 25540 (1)  
Format: UPC-A  
Label: BK 220305-1

Item No.: D12709557-CAN  
Net Contents: 4 x 3.8 Liters  
UPC: 00023626 25545 (6)  
Format: Interleaved 2-of-5  
Label: Case Label

Item No: D12709737-CAN  
Net Contents: 18.93 Liters  
UPC: 023626 25667 (5)  
Format: UPC-A  
Label: BK 220390-1

Item No.: D12695581-CAN  
Net Contents: 208 Liters  
UPC: 023626 25675 (0)  
Format: UPC-A  
Label: BK 220310-1

Label Code RE.NI.