

96.04.11

BIOSENTRY(R)  
904

NET CONTENTS:

POULTRY HATCHERY, FARM PREMISE,  
AND ANIMAL CARE DISINFECTANT

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 premises.

Useful in laboratory animal and animal breeder facilities.

READ THE LABEL BEFORE USING

COMMERCIAL

GUARANTEE:

Didecyldimethylammonium chloride	9.2%
Alkyl (C12, 67%; C14, 25%; C16, 7%; C18, 1%) dimethyl benzyl ammonium chloride	7.6%
Alkyl (C12, 40%; C14, 50%; C16, 10%) dimethyl benzyl ammonium chloride	6.2%

DANGER POISON

EYE AND SKIN IRRITANT

REGISTRATION NUMBER: 24479  
PEST CONTROL PRODUCTS ACT

MANUFACTURED BY:  
BIOSENTRY, INC.  
STONE MOUNTAIN, GA 30083  
USA

BioSentry(R) 904

- is a complete, chemically balanced disinfectant providing 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 premises, laboratory animal facilities and kennels. (See antimicrobial efficacy chart on bottom of the label).

- contains sequestering agents, to prevent the precipitation of minerals and metals from hard water.
- deodorizes by killing most microorganisms that cause offensive odors.
- contains no perfume to mask or hide any odors that might exist.

#### DIRECTIONS FOR USE IN AVIAN HATCHERIES

FOR DISINFECTING PRECLEANED SURFACES: Use **BioSentry(R) 904** 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 **BioSentry(R) 453** or another compatible BioSentry hatchery cleaner. Rinse and if possible let surfaces dry. Then, apply **BioSentry(R) 904** at 4 ml per liter 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.

NOTE: Do not spray **BioSentry(R) 904** disinfecting solutions unless workers are protected from breathing the spray mist.

SANITIZING HATCHERY ROOMS USING THE BIOSENTRY FOGGER 185 OR agMISTER: Close room off so fog is confined to the room to be treated. Mix one (1) part **BioSentry(R) 904** 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) minute for each 113 cubic meter of space in the room with the BioSentry Fogger 185. If using the agMister, fog for 3 minutes for each 113 cubic meter of space in the room. 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 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 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(R) 904** to 1 liter 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 a 4 ml of BioSentry (R) 904 per liter 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 liter of **BioSentry(R) 904** solution. If desired, rinse after 10 minutes contact or leave unrinsed.

BioSentry(R) 904 should not be mixed with other cleaning or disinfecting compounds or products.

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

GENERAL FARM DISINFECTANT USES: (4 ml per liter) (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 4 ml per liter of water solution 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 treated 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 per liter of **BioSentry(R) 904**. 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(R) 904** per liter of solution 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 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(R) 904** 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 liter of **BioSentry(R) 904** for each 186 square meter of floor space. If the area is more than 8 meter high, use two (2) liters per 186 square meter 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 house can now be opened and aired. The house should be opened for a minimum of twenty-four 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 within 4 hours or until the fog has completely settled. If the building or room must be entered before the fog completely settles, then the individual 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 or livestock.

DIRECTIONS FOR USE IN ANIMAL CARE FACILITIES,  
ANIMAL RESEARCH CENTERS, ANIMAL BREEDING FACILITIES,  
KENNELS AND ANIMAL QUARANTINE AREAS

**BioSentry(R) 904** 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, varnished wood, glass or metals.

- To clean and disinfect hard surfaces, use 4 ml of **BioSentry(R) 904** per liter of water. 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 visibly dirty.
- To clean badly soiled areas, use up to 12 mL per liter of water.
- To disinfect, allow treated surfaces to stand for at least 10 minutes before wiping or rinsing.
- To control mold and mildew growth on previously cleaned, hard

nonporous surfaces, use 4 mL per liter. Allow to dry without wiping. Reapply as new growth appears.

NOTICE TO USER: This control product is to be used only in accordance with the directions on this label. It is an offense under the Pest Control Products Act to use a control product under unsafe conditions.

DISPOSAL:

1) Rinse the emptied container thoroughly and add the rinsings to 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 or the Manufacturer.

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(R) 904** on feeders or waterers and do not allow contact with food, feed or drinking water. **BioSentry(R) 904** should not be mixed with other cleaning or disinfecting compounds. Do not use **BioSentry(R) 904** 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 eyes, call a physician. Remove and wash contaminated clothing before reuse. If swallowed, drink promptly 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.

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

BROAD SPECTRUM GERMICIDAL ACTION IN HARD WATER AND UNDER SOIL LOAD CONDITIONS: At 4ml per liter (1 :250) in official AOAC Use Dilution and Fungicidal Tests, BioSentry(R) 904 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

Pseudomonas aeruginosa (ATCC 15442)	Staphylococcus aureus (ATCC 6538)
Salmonella choleraesuis (ATCC 10708)	Salmonella enteritidis (ATCC 4931)
Enterobacter aerogenes (ATCC 63809)	Streptococcus pyogenes (ATCC 9547)
Pasteurella multocida (ATCC 7707)	Shigella dysenteriae (ATCC 13313)
Escherichia coli (ATCC 11229)	Klebsiella pneumoniae (ATCC 4352)
Alcaligenes faecalis (ATCC 8748)	Enterococcus faecium (ATCC 6569)
Serratia marcescens (ATCC 264)	(Streptococcus faecalis)
Proteus mirabilis (ATCC 25933)	Salmonella gallinarum (ATCC 9184)
Salmonella typhosa (ATCC 6539)	Bordetella avium (ATCC 35086)
Streptococcus agalactiae (ATCC 27916)	Shigella sonnei (ATCC 29930)
Salmonella pullorum (ATCC 9120)	Proteus morgani (ATCC 25830)

FUNGI

Aspergillus fumigatus (ATCC 10894)	Candida albicans (ATCC 18804)
Trichophyton mentagrophytes var. interdigitale (ATCC 9533)	

VIRUSES

Using accepted virus propagation and hard surfaces test methods, **BioSentry(R) 904** is effective at 1:250 in 400 ppm hard water and 5% serum against the following viruses and Mycoplasma sp.:

Herpesvirus (ATCC VR-783)	Mycoplasma iners (ATCC 19705)
Canine parvovirus (ATCC VR-953)	Paramyxovirus (ATCC VR-281)
Coronavirus (ATCC VR-22)	Parainfluenza (ATCC VR-281)
Birnavirus (ATCC VR-478)	Herpesvirus (ATCC VR-135)
Mycoplasma gallisepticum (ATCC 15302)	Coronavirus (ATCC VR-763)

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