# BioSentry® 904<sup>™</sup>

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65020-12

## POULTRY HATCHERY DISINFECTANT FARM PREMISE DISINFECTANT VETERINARY AND ANIMAL CARE DISINFECTANT

For chicken, turkey, duck, quail, estrich 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 chloride9.2%
Alkyl (C12, 61%; C14, 23%; C16, 11%;
C18, 2.5%; C8 & C10, 2.5%) dimethyl benzyl
ammonium chloride
Alkyl (C12, 40%; C14, 50%;C16, 10%)
dimethyl benzyl ammonium chloride
bis-n-tributyitin oxide 1.8%
INERT INGREDIENTS

BACTERICIDE, FUNGICIDE, VIRUCIDE\* \* See back panel for specific claims

# KEEP OUT OF REACH OF CHILDREN DANGER

(See back panel for precautionary statements)

MANUFACTURED BY: BioSentry®, Inc., Stone Mountain, GA 30083 USA NET CONTENTS: 55 U.S. GALLONS **904 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 deadorizes by killing most microorganisms that cause offensive odors tills 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 back label panel). Contains sequesting agents, to prevent the precipitation of minerals and metals from hard water.

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#### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. FOR DISINFECTING PRECLEANED SURFACES: Use 904 to disinfect

FOR DISINFECTING PRECLEANED SURFACES: Use 904 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 chick boxes, egg cases, vans and trash containers.

also excellent for chick boxes, egg cases, vans and trash containers. Preclean the surface to be disinfected with BioSentry<sup>®</sup> 453<sup>™</sup> or another compatible BioSentry hatchery cleaner. Rinse and if possible let surfaces dry. Then, apply 904 at ½ ounce per gallon by immersion, by flowing solution over treated surfaces, by use of a solt 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 904 disinfecting solutions unless workers are protected from breathing the spray mist. SANITIZING HATCHERY ROOMS USING THE BIOSENTRY<sup>®</sup> FOGGER

SANITIZING HATCHERY ROOMS USING THE BIOSENTRY® FOGGER 185 OR againstream common off so fog is confined to room to be treated. Mix one (1) part 904 to five (5) parts water. (½ gailon 904 to 2.5 gailons 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 4,000 cubic feet of space in the room with the BioSentry® Fogger 185. If using the agMister, fog for 3 minutes for each 4,000 cubic feet 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 exchausted. Normally this is 1-4 hours in this environment.

4.000 cubic feet 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 setf contained respirator approved by NIOSH/MSHA, goggles, long shirt sleeves and pants.



 SANITIZING INCUBATORS AND HATCHERS BY FOGGING: Prepare a stock solution of 6 fluid ounces 904 to 122 ounces water. Fog 3-8 ounces 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 ½ ounce per gallon solution of 904. 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 ½ ounce 904 per gallon. If desired, rinse after 10 minutes of contact or leave unrinsed.

DIRECTIONS FOR USE ON POULTRY, SWINE AND LIVESTOCK FARMS <u>GENERAL FARM DISINFECTANT USES</u>: (½ 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 ½ ounce per gallon of water using a brush, cloth, mop or mechanical spraying device. Small items (forks, shovets, 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 ½ ource per gallon of BioSentry 904. 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 oz 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 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 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 (1) gallon of BioSentry 904 for each 6000-8000 square feet of floor space. If the area is more than 25 feet high, use two (2) gallons per 6000-8000 square feet of floor space. If the area is more than 25 feet high, use two (2) gallons per 6000-8000 square feet 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 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<sup>®</sup> 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 approved by NIOSH/MSHA, 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 904 on vaccination equipment, needles or diluent bottles as the residual germicide may render the vaccines ineffective. 904 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 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 the, terrazo, resilient flooring, concrete, painted or varnished wood, glass or metals.

- To clean and disinfectant hard surfaces, use ½ ounce of BioSentry 904 per gallon of water. Apply (1) by immersion, (2) flushing solution over treated surfaces or (3) with a mop, sponge, cloth or bowl mop to thoroughly wet surfaces. Prepare fresh solutions daily or when solution becomes diluted or soiled.
- To clean badty soiled areas, use up to 1½ ounce per gallon of water. To disinfect, allow treated surfaces to stand at least 10 minutes before

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- wiping or rinsing. To control mold and mildew growth on previously cleaned, hard nonporous
- surfaces, use ½ ounce per gallon. Allow to dry without wiping. Reapply as new growth appears.



BROAD SPECTRUM GERMICIDAL ACTION IN HARD WATER AND UNDER SOIL LOAD CONDITIONS: At ½ ounce per gation (1:255) in official AOAC Use Dilution and Fungicidal Tests, 904 is effective in water up to 400 ppm hardness (as CaCO3) and an organic soil load of 5% serum against the following organisms:

#### BACTERIA

Actinotacillus pleuropneumoniae ATCC 27038 Proteus morganii ATCC 25830 Actinomyces pyogenes ATCC 19411 ptococcus pyogenes ATCC 9547 Alcalizates faecalis ATCC 8748 audomosas seruginoss ATCC 15442 Bordensia avium ATCC 35086 Rhodococcus equi ATCC 6939 Bordetsia bronchiseptica ATCC 19395 Salmonella choleraesuis ATCC 10708 Corvnetiscterium pseudotuberculosis ATCC 19418 Salmonella enteriditia ATCC 4931 Enterotacter aerogenes ATCC 53809 Salmosella gallinarum ATCC 9184 Enteromeccus faecium ATCC 8568 (See Sitimonella pullorum ATCC 9120 Salmonella typhosa ATCC 6539 Escherichia coli ATCC 11229 Shigella dysenteriae ATCC 13313 Klebsisla pneumoniae ATCC 4352 Mycophama gallinarum ATCC 19708 Mycophama gallinarum ATCC 19708 Mycophama iners ATCC 19705 Mycophama gallisepticum ATCC 15302 Shicella soonel ATCC 29930 Serratia marcescens ATCC 264 ptococcus agalactiae ATCC 27916 -Streptococces equi var. equi ATCC 33366 s equi var. zooepidermicus ATCC 43079 Pasteunila multocida ATCC 7707 Proteus mirabilis ATCC 25933 Staphylococcus aurous ATCC 6538

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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 is effective at 1:256 in 400 ppm hard water and 5% serum against the following viruses and Mycoplasma sp.

Avian influenza ATCC VR-798 Inflet Avian largeotochettis ATCC VR-783 Canine distemper Onderstepoort strain Canine tampesvirus ATCC VR-853 Equine harpesvirus ATCC VR-953 Equine harpesvirus ATCC VR-957 Equine influenza A ATCC VR-297 Feline infloctious peritonitis Strain DF-2 Infectious bronchitis ATCC VR-22

Infectious bursail disease (Gumboro) ATCC VR-478 783 Newcaster's disease ATCC VR-109 frain Parainfluenza ATCC VR-281 Porcine parvovirus ATCC VR-742 Pseudorables ATCC VR-135 Swime PRRS virus, Reference Strain, NVSL Transmissible pastroenteritis ATCC VR-753 DF-2 Vesicular stomatitis virus, Indiana STORAGE AND DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Store only in original container. Do not reuse empty container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. 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: For 1 gallon containers and under, do not reuse empty container. Triple rinse, wrap container and put in trash. For containers over 1 gallon: Triple rinse. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**STATEMENT OF PRACTICAL TREATMENT:** 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 ingested, drink promptly a large quantity of raw egg whites, gelatin solution, or if these are not available, drink a large quantity of water. Avoid alcohol. Call a physician immediately.

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

**CORROSIVE:** Causes severe eye and skin damage. Do not get into eyes, on skin or clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Do not breath vapors or spray mist. Avoid contamination of food. Wash thoroughly with soap and water after handling.

ENVIRONMENTAL HAZARDS: This product 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 server systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the E.P.A.

PHYSICAL AND CHEMICAL HAZARDS: Do not use or store near heat or open flame.

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EPA REG.NO. 65020-12

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