

BioSentry® 904™

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 (CaCO₃). Disinfects in 5% organic soil load.

BACTERICIDE, FUNGICIDE, VIRUCIDE*
 *See (left) (side) (right) (back) panel for specific claims

ACTIVE INGREDIENTS:

Didecyl dimethyl ammonium chloride.....	9.2%
Alkyl (C ₁₂ , 61%; C ₁₄ , 23%; C ₁₆ , 11%; C ₁₈ , 2.5%; C ₈ & C ₁₀ , 2.5%) dimethyl benzyl ammonium chloride.....	9.2%
Alkyl (C ₁₂ , 40%; C ₁₄ , 50%; C ₁₆ , 10%) dimethyl benzyl ammonium chloride	4.6%
Di-n-tributyltin oxide	1.0%
INERT INGREDIENTS:	76.0%
TOTAL INGREDIENTS:	100.00%

EPA Reg. No. 65020-12 EPA Est. No. 10663-GA-1

KEEP OUT OF REACH OF CHILDREN
DANGER

See (left) (side) (right) (back) panel for Precautionary Statements and First Aid

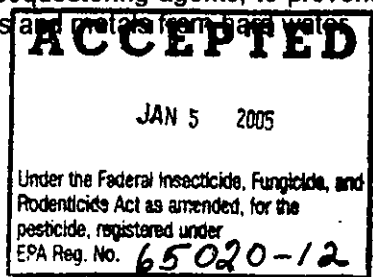
FOR INDUSTRIAL AND COMMERCIAL USE ONLY

MANUFACTURED BY:
BioSentry, Inc., Stone Mountain, Georgia, 30083 USA

For general information, call 1-800-788-4246, Monday through Friday, 9 a.m. to 4 p.m. EST.

NET CONTENTS: *(as indicated on container)*

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 – 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. (See antimicrobial efficacy chart on back (side) label panel). Contains sequestering agents, to prevent the precipitation of minerals and metals from hard water.



BioSentry 904

BROAD SPECTRUM GERMICIDAL ACTION IN HARD WATER AND UNDER SOIL LOAD CONDITIONS: At ½ ounce per gallon (1:256) 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

- Actinobacillus pleuropneumoniae ATCC 27088
- Actinomyces pyogenes ATCC 19411
- Alcaligenes faecalis ATCC 8748
- Bordetella avium ATCC 35086
- Bordetella bronchiseptica ATCC 19395
- Corynebacterium pseudotuberculosis 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 morganii 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 is effective at 1:256 in 400 ppm 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

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 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 chickboxes, egg cases, vans and trash containers. Preclean the surface to be disinfected with BioSentry® 453™ or another compatible BioSentry hatchery cleaner. Rinse and if possible let surfaces dry.

Then, apply 904 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 904 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 904 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. 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 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 904 to five (5) parts water (1/2 gallon 904 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 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 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 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 into hatchers. Discontinue hatchery 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. Contact your BioSentry Technical Representative if you need assistance.

It is also satisfactory to fog setters and hatchers with a 1/2 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.

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. 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 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 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 ½ 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 1 ½ ounce per gallon of water. 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. 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.

**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.

FIRST AID

IF IN EYES: 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.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes.

IF SWALLOWED: 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.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.

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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.

For 24-hour emergency information (leak, fire and medical exposure only) on this product, call Infotrac at 1-800-535-5053 (US & Canada) or 1-352-323-3500 (all other areas).

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

(Note to reviewer: If the container size is one gallon or less, the following storage and disposal statements will be used:)

STORAGE AND DISPOSAL

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.

(Note to reviewer: If container is greater than one gallon, the following environmental hazards and storage and disposal statements will be used:)

ENVIRONMENTAL HAZARDS

This product is 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 sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

STORAGE AND DISPOSAL

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

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 State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office 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 state and local authorities by burning. If burned, stay out of smoke.