

# BioSentry® BioQuat™ 20 Disinfectant

**Bactericide • Fungicide • Virucide\***

**FOR INDUSTRIAL AND COMMERCIAL USE ONLY**

\* General-Purpose Disinfectant for Poultry, Swine, Veal, Cattle and Horse Operations

\* No Rinse Sanitizer for Food Contact Surfaces

\* Hospital and Veterinary Clinic Disinfectant and Deodorant

\* For Disinfection of Agricultural Transportation and Processing Equipment

**ACTIVE INGREDIENTS:**

Alkyl (C<sub>14</sub>-50%, C<sub>12</sub>-40%, C<sub>16</sub>-10%)  
dimethyl benzyl ammonium chloride.....20.0%

**INERT INGREDIENTS:**.....80.0%

**TOTAL:**.....100.0%

EPA Est. No. 61282-WI-1

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

**FIRST AID**

**Have label with you when obtaining treatment advice.**

<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.

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 on this product, call 1-800-498-5743 (US & Canada) or 1-651-523-0318 (all other areas).**

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER: Corrosive:** Causes eye damage and severe skin irritation. 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 if swallowed. Avoid contamination of food. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

**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.

BioSentry® BioQuat™ 20 Disinfectant is an efficient disinfectant and sanitizer of high germicidal potency. Recommended use solutions are odorless, non-corrosive to metal surfaces and are non-staining.

Fulfills the criteria Appendix F of the Grade A Pasteurized Milk Ordinance 1965 recommendations of the U.S. Public Health Service in waters up to 400 ppm of hardness calculated as CaCO<sub>3</sub> when tested by the A.O.A.C. Germicidal and Detergent Sanitizers Official Method.

BioSentry® BioQuat™ 20 Disinfectant kills the following organisms in the presence of a 5% blood serum soil load in the A.O.A.C. Use Dilution Test diluted at one (1) ounce per two (2) gallons (4 ml / liter):

**BACTERIA**

<i>Enterobacter aerogenes</i>	ATCC 13048
<i>Escherichia coli</i>	ATCC 11229
<i>Klebsiella pneumoniae</i>	ATCC 4352
<i>Proteus morgani</i>	
<i>Pseudomonas aeruginosa</i>	PRD-10
<i>Pseudomonas fluorescens</i>	NRRL B4290
<i>Salmonella choleraesuis</i>	ATCC 10708
<i>Salmonella gallinarum</i>	
<i>Salmonella pullorum</i>	
<i>Salmonella senftenberg</i>	
<i>Salmonella typhosa</i>	
<i>Serratia marcescens</i>	
<i>Shigella sonnei</i>	
<i>Staphylococcus aureus</i>	ATCC 6538
<i>Xanthomonas campestris</i> pv. <i>citri</i> (Citrus Canker bacterium)	

**FUNGI**

BioSentry® BioQuat™ 20 Disinfectant is also fungicidal against *Trichophyton interdigitale* (athlete's foot fungus) at a dilution of one (1) ounce per four (4) gallons of water.

**VIRUSES**

Influenza A / Montana	Herpes Simplex Type 2
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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.

This product is not to be used as a terminal sterilant / high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to preclean or decontaminate critical or semi-critical devices prior to sterilization or high-level disinfection.

**HOSPITAL, VETERINARY CLINIC, COMMERCIAL AND INDUSTRIAL DISINFECTION:** (1 ounce per 2 gallons) (4 ml / liter). Use on floors, walls, bedframes, furnishings and bathroom fixtures. Suitable for disinfection of glass, smooth metal, glazed porcelain, plastic, finished wood, finished leather and similar non-porous, hard environmental surfaces.

Areas with light soils may be cleaned and disinfected in one step using a clean brush, mop or cloth. Apply a solution of one (1) ounce of this product in two (2) gallons (4 ml / liter) of water. Heavily soiled areas should be precleaned before disinfection. Treated surfaces must be thoroughly wet and allowed to remain moist for at least 10 minutes for proper disinfection. Prepare fresh use solutions daily. Do not reuse solution. Discard solutions when they become soiled.

**GENERAL FARM DISINFECTANT USES:**

(1 ounce per 2 gallons) (4 ml / liter)

- (a) Remove all livestock and feeds from premises, cars, 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 a good detergent and rinse thoroughly.
- (e) Saturate all surfaces with BioSentry® BioQuat™ 20 Disinfectant diluted at one (1) ounce per two (2) gallons (4 ml / liter) 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, 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.

**AS A FUNGICIDE:** Use at a dilution of one (1) ounce disinfectant per five (5) gallons of water to kill athlete's foot fungus on bathroom floors, shower stalls, steam rooms and around spas and swimming pools. If area is heavily soiled, preclean and rinse before applying solution.

**DISINFECTING CITRUS FRUIT AND VEGETABLE TRANSPORTATION AND PROCESSING EQUIPMENT, TRUCKS, CARTONS, CRATES, UTENSILS, ETC.:**

For prevention of Citrus Canker Disease through treatment of precleaned equipment. Effective against *Xanthomonas axonopodis pv. citri* (Citrus Canker Disease) at 2,000 ppm active quat. Treatments can be applied to trucks, attached trailers, and field harvesting equipment including cargo area, wheels, tires, undercarriage, hood, roof, fenders and any other part of the equipment that can be taken into infested areas. Thoroughly clean all surfaces with soap or detergent and rinse with water. Then saturate surfaces with a 1:100 use dilution for a period of 10 minutes. Allow to air dry. All surfaces that come in contact with food or crop must be rinsed with potable water before reuse. To prevent the spread of Citrus Canker Disease by this artificial means of transportation, treatments are made by trigger spraying,

dipping or brushing. Clothing should be either rinsed or laundered before reuse. Footwear should be rinsed before reuse.

**SANITIZING SHELL EGGS INTENDED FOR FOOD:**

To sanitize previously cleaned food-grade eggs in shell egg and egg product processing plants, spray with a solution of one (1) ounce of BioSentry® BioQuat™ 20 Disinfectant in eight (8) gallons (1 ml / liter) of warm water (200 ppm quat). The solution should be warmer than the eggs, but not to exceed 130° F. Wet eggs thoroughly and allow to drain. Eggs sanitized with BioSentry® BioQuat™ 20 Disinfectant shall be subjected to a potable water rinse only if they are broken immediately for use in the manufacture of egg products. Eggs should be reasonably dry before casing or breaking. The solution should not be reused for sanitizing eggs.

**NO RINSE SANITIZATION OF FOOD CONTACT SURFACES, GLASSWARE, SILVERWARE, DISHES, COOKING UTENSILS, MILK CANS AND EQUIPMENT IN FOOD PROCESSING PLANTS, MEAT PLANTS, DAIRIES, AND RESTAURANTS:**

(1 ounce per 8 gallons) (1 ml / liter). Scrape or flush away gross soils and clean with a suitable detergent. Rinse thoroughly and apply a sanitizing treatment of one (1) ounce of this product in eight (8) gallons of water (200 ppm active sanitizer). The sanitizing treatment may be applied by immersion, flooding, flushing, spraying or with a clean cloth or mop. All surfaces must be thoroughly wet for 1-2 minutes for proper sanitization. Allow treated items to drain thoroughly and air dry. Do not use a towel. No rinsing is required. Where possible invert treated items (glassware, dishes, utensils, milk cans, etc.) and let them drain and air dry on a clean surface. Prepare fresh solutions daily or more often if solutions become diluted or soiled.

**FLANK AND UDDER WASHING:**

Prepare an udder wash solution of one (1) ounce of this product per eight (8) gallons of tepid water. Place a separate paper or clean cloth towel for each cow to be milked in this solution. Thoroughly wash each cow's teats and udder with a separate towel. After washing, wring excess solution from the towel and dry the udder and teats before attaching cow to milkers. Discard the towel. Never place a used towel back into the wash solution. Prepare solutions in a clean stainless steel or plastic bucket. Never reuse udder wash solution.

**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.

For non-emergency (e.g. current product information) call: **1-800-621-8829**

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

**Imported By:**  
**China**

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

Label Code: NA.NO.