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FL 3441

IO-DIS DISINFECTANT

EPA Reg. No. 4959-15-10693

EPA Est. No. 10693-CA-01

Authorized by USDA for use in federally inspected meat, poultry and egg processing plants.

CONCENTRATED BROAD SPECTRUM IODOPHOR FOR USE AS A ONE-STEP CLEANER-DISINFECTANT AND NO-RINSE SANITIZER IN: Veterinary Clinics \$ Poultry Drinking Water \$ Sanitizing Commercial Eggs \$ Egg Processing Plants \$ Dairy & Poultry Farms \$ Meat & Poultry Plants \$ Food Processing Plants \$ Kennels, Pet Shops & Zoos \$ Hand Sanitizing in food Plants and \$ Animal Handling Facilities

TUBERCULOCIDE, VIRUCIDE*, BACTERICIDE, FUNGICIDE, DEODORIZER

Used as directed, IO-DIS DISINFECTANT is effective in hard water (up to 400 ppm as CaCO₃) and in 5% organic serum load against the following viruses, bacteria and pathogenic fungi: Polio 1*, Vaccinia*, Herpes Simplex Type 1*, Influenza A2/Japan 305*, and Canine Parvovirus*; bactericidal against *Salmonella choleraesuis*, *Staphylococcus aureus*, *Pseudomonas aeruginosa*, and *E. Coli*; is fungicidal against *Trichophyton mentagrophytes* (the athlete's foot fungus).

IO-DIS DISINFECTANT is effective against *Salmonella choleraesuis*, *Listeria monocytogenes* and *Escherichia coli*, 0157:H7, Hemorrhagic on pre-cleaned food contact surfaces.

Used as directed IO-DIS DISINFECTANT is tuberculocidal when used in hard water (up to 400 ppm as CaCO₃) on pre-cleaned surfaces at 20°C for a contact time of 10 minutes. Prepare a solution of 3 ounces IO-DIS DISINFECTANT to 5 gallons water (provides 75 ppm titratable iodine).

ACTIVE INGREDIENTS:

Titratable Iodine* 1.75%

INERT INGREDIENTS: 98.25%

Total 100.00%

From alpha-(p-nonylphenyl)-omega-hydroxypoly(oxyethylene)-iodine complex

DIRECTIONS FOR USE: The color of an IO-DIS DISINFECTANT solution is proportional to the titratable iodine concentration. Prepare a fresh solution daily, or when there is a noticeable change in its rich amber color or more often if the solution becomes diluted or soiled.

ONE-STEP CLEANING AND DISINFECTING: PRIOR TO USE in Veterinary Clinics, Animal Handling Facilities, Farm Premises, Kennels, Pet Shops and Zoos: Remove all animals and feeds from premises, vehicles and enclosures. Remove all litter and manure from floors, walls and all surfaces to be treated. Empty all troughs, racks and other feeding and watering appliances. Then proceed as directed below.

TO CLEAN AND DISINFECT: Before applying disinfecting solution, food products and packaging materials must be removed from the room or carefully protected. Remove heavy soil deposits before applying the disinfecting solution. Using a solution of 3 ounces IO-DIS DISINFECTANT per 5 gallons of warm water (68°F, 20°C or warmer), immerse objects in disinfecting solution, or apply solution with a mop, sponge or brush. Where appropriate, use a mechanical sprayer to produce coarse spray. Allow a 10 minute contact time with disinfecting solution. For efficacy against Canine Parvovirus, allow 120 minute contact time; surface must remain wet. All food contact surfaces must be rinsed with potable water before reuse. Floors, walls and all other non-food contact surfaces may drain dry without rinsing.

NOTE: When mixing IO-DIS DISINFECTANT with cold water as low as 41°F, 5°C), increase use to 6 oz. per 5 gallons water.

BEFORE REHOUSING ANIMALS: Ventilate buildings, vehicles and other closed spaces. Do not house animals or use equipment until treatment absorbs, sets or dries. Thoroughly rinse all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with potable water before reuse.

SHOE BATH: Routine use of shoe bath sanitizers helps reduce the spread of disease causing organisms between poultry houses, hog barns and other livestock buildings. Use 3 ounces of IO-DIS DISINFECTANT per 1 gallon of water. Place sanitizing solution in shallow plastic or stainless steel pans inside all entrances to poultry and livestock buildings. Scrape shoes outside doorway and stand in shoe bath for 30 seconds before entering building. Replace shoe bath daily or more often if solution becomes soiled.

CLEANING MILKING EQUIPMENT AND BULK TANKS: Immediately after milking, flush milking equipment and utensils with lukewarm (100°F, 38°C) water to wash out all milk. Take apart milking machines and immerse air hoses, inflations, metal parts (except pulsator) and utensils in a solution containing 1 ounce of IO-DIS DISINFECTANT per 5 gallons of water. Brush all parts thoroughly. Drain completely, rinse with water and allow to air dry. After emptying bulk tanks, flush tanks thoroughly with 100°F (38°C) water to wash out all milk. Brush tanks thoroughly with a solution containing 1 ounce IO-DIS DISINFECTANT per 5 gallons of water. Allow wash solution to drain, rinse with water and air dry.

SANITIZING MILKING MACHINES AND BULK TANKS: Before each milking, flush assembled milking machines and empty bulk tanks with a solution containing 1 ounce of IO-DIS DISINFECTANT per 5 gallons of water. Allow a 1 minute contact time. Drain thoroughly and air dry before use.

REMOVAL OF MILKSTONE AND HARD WATER DEPOSITS: Yellow color may appear on equipment after the first use of IO-DIS DISINFECTANT. This may indicate the presence of milkstone or hard water deposits. Remove these deposits by applying a solution containing equal parts of IO-DIS DISINFECTANT and lukewarm water. Wait 2-3 minutes, brush and then rinse with potable water. Daily use of IO-DIS DISINFECTANT will help prevent the formation of milkstone and hard water deposits.

SANITIZING POULTRY AND LIVESTOCK DRINKING WATER: Add 1 ounce of IO-DIS DISINFECTANT per 10 gallons of drinking water. Regular use of this product in drinking water reduces the build up slime and mineral deposits in watering equipment. Do not use this product together with other water treatments such as medications.

SANITIZING PREVIOUSLY CLEANED FOOD CONTACT SURFACES: Sanitize previously cleaned and rinsed hard, non-porous surfaces such as glass, metal, plastic and porcelain with a solution containing 1 ounce of IO-DIS DISINFECTANT per 5 gallons of water. Immerse equipment with sanitizing solution and allow 1 minute of contact time. Drain solution from equipment; do not rinse. IO-DIS DISINFECTANT used at 1 ounce per 5 gallons of water contains 25 ppm titratable iodine and does not require a final rinse with potable water in accordance with Federal Food Additive Regulation 178.1010.

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SANITIZING GLASSES, DISHWARE, POTS, PANS, AND UTENSILS IN FOOD SERVICE OPERATIONS:

1. Pre-flush or pre-scrape equipment and utensils. If needed, pre-soak to remove gross food particles and soil.
2. Wash equipment and utensils in lukewarm water that contains an adequate amount of a good detergent or cleaner. Keep this water clean by frequent changing.
3. Rinse equipment and utensils free of wash water prior to sanitization.
4. Sanitize equipment and utensils by immersing them in a solution of 1 ounce IO-DIS DISINFECTANT per 5 gallons of lukewarm water (provides 25 ppm titratable iodine.) Allow one minute contact time (or longer if required by local sanitation codes.) Fresh solution should be prepared daily or more often if the solution becomes diluted or soiled. Use an approved iodine test kit to check for proper concentrations.
5. After required contact time of one minute or more, allow equipment and utensils to drain and then air dry. Do not rinse before use.

SANITIZING FOOD-GRADE EGG SHELLS: Coarse spray previously cleaned food-grade egg shells with a solution containing 1 ounce of IO-DIS DISINFECTANT per 5 gallons of water. Solution temperature should be warmer than the eggs, but not to exceed 130°F (53°C). Wet eggs thoroughly for 1 minute and allow to drain. A final potable water rinse is not required. Eggs should be reasonably dry before casing or breaking. Do not reuse solution to sanitize eggs.

HAND SANITIZING: Thoroughly wash and rinse hands before sanitizing. Dip or rinse hands in a solution containing 2 ounces of IO-DIS DISINFECTANT per 5 gallons of water. IO-DIS DISINFECTANT may be injected directly into wash or rinse water at a rate of 1 ounce per 5 gallons of water. A final potable rinse is not required.

DEODORIZING: IO-DIS DISINFECTANT destroys many odors as it sanitizes and disinfects. For general deodorant applications (garbage pails, refuse containers, etc.), swab surface to be treated with a solution containing 1 ounce of IO-DIS DISINFECTANT per gallon of water. Allow treated surface to drain and air dry.

USE DILUTION TABLE

IO-DIS DISINFECTANT/WATER	TITRATABLE IODINE
1 ounce to 10 gallons	12.5 ppm
1 ounce to 5 gallons	25 ppm
3 ounces to 5 gallons	75 ppm
1 ounce to 1 gallon	125 ppm
6 ounces to 5 gallons	150 ppm

SPECIFICATIONS:

Color	Dark Brown
Fragrance	Halogen
Type of surfactants	Nonionic
Viscosity @ 77°F	300 cps
pH	1.7 ± 0.5
Active Ingredients (Iodine)	1.75%
Specific Gravity	1.132 ± .005
Hard Water Compatibility	Excellent
Shelf Life	1 Year
Grease Cutting Ability	Good
Soil Penetration	Good

4/05