

ONE GALLON

LOT NO. _____

WARDEN-

DISINFECTANT - SANITIZER - DEODORANT

WARDEN-20 is an excellent disinfectant and sanitizer, active against many Gram-positive and Gram-negative bacteria often found in poultry and hatchery environments. Additionally, it acts as a deodorant by inhibiting putrefactive microorganisms. **WARDEN-20** is also valuable for use on dairy farms, animal quarters in general, and in dairy and food processing plants.

DIRECTIONS FOR USE

Preparation of Use Dilutions

WARDEN-20 must be diluted with water before use. Dilutions should be prepared to obtain the concentration that will give the desired germicidal effect.

For use as a **disinfectant**, add one fluid ounce (2 tablespoonfuls) of **WARDEN-20** to 4 gallons of water and mix well. The resulting solution will contain 400 parts per million of active quaternary ammonium chloride. For practical purposes, this solution kills disease-producing organisms when used as directed. For maximum effectiveness, the solution should remain in contact with the surface being disinfected for at least 10 minutes.

For use as a **sanitizer**, add one fluid ounce (2 tablespoonfuls) of **WARDEN-20** to 8 gallons of water and mix well. The resulting solution will contain 200 parts per million of active quaternary ammonium chloride. For practical purposes, this solution kills most organisms present on hard nonporous surfaces. For maximum effectiveness, the solution should remain in contact with the surface being sanitized for at least 30 seconds. In recommended use dilutions, **WARDEN-20** is effective without sequestrants in waters up to 400 ppm of hardness.

Application

Because **WARDEN-20** is cationic, it is inactivated by reaction with anionic compounds. Soap and other anionic cleaning compounds should, therefore, be rinsed from the surfaces before applying use dilutions of **WARDEN-20**.

Avoid inhalation of fine mist when applying use dilutions of **WARDEN-20** as spray.

Active ingredients:
Alyl* dimethyl benzyl ammonium chlorides..... 20%
*(C₁₂, C₁₄, C₁₆ and other related alkyl groups from C₈ to C₁₈)
Inert ingredient: Water..... 80%
NOTE: This product must be diluted as directed before use. After use of entire contents, rinse empty container thoroughly with water and discard it.

DANGER: Keep Out of Reach of Children.

Corrosive to tissues. Causes eye damage and skin irritation. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling the concentrate. Harmful or fatal if swallowed. Avoid contamination of food.

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.

NOTE TO PHYSICIAN:

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

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Poultry Houses: Remove all birds, litter and moveable equipment, including feeders and waterers, and clean and rinse house thoroughly. Then, mop, swab or spray cleaned surfaces with the appropriate use dilution of **WARDEN-20**. Allow to dry.

Poultry Equipment: Hatchers, incubators, brooders, trays and any other equipment which does not hold feed or water for consumption by poultry should first be cleaned and rinsed thoroughly. The appropriate dilution of **WARDEN-20** should then be applied by immersion, swab or spray and allowed to dry. Feeders and waterers should be similarly treated except that the solution of **WARDEN-20** should not be allowed to dry on the surface but should be removed by thorough rinsing with potable water.

Hatching Eggs: To reduce bacterial contamination of hatching eggs, dip cleaned eggs in appropriate use dilution of **WARDEN-20**. Allow solution to dry on eggs.

Poultry Processing Plants and Egg-Breaking Plants: All surfaces and equipment should be cleaned and rinsed thoroughly. Apply the appropriate use dilution of **WARDEN-20** by mop, swab or spray. All treated surfaces coming in contact with food should then be rinsed thoroughly with potable water. Other surfaces and walls may be allowed to drain and dry without this water rinse.

Dairy Barns and Milk-Processing Plants: All surfaces, including walls, floors and equipment, should be cleaned thoroughly and rinsed before disinfecting. The appropriate use dilution of **WARDEN-20** should be applied by mop, swab or spray. All surfaces coming in contact with milk or milk products intended for food should then be rinsed thoroughly with potable water. Other surfaces may be allowed to drain and dry without this water rinse.

Kennels, Farrowing Crates and Other Animal Quarters: First clean and rinse all surfaces thoroughly. Then apply the appropriate use dilution of **WARDEN-20** by mop, swab or spray. Allow solution to dry on surfaces.

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