

# FORMULATION HS210-15

## farm disinfectant

Effective against *Breidemannia aeruginosa*, *Scymnus*, *Chromola*, *Staphylococcus aureus*  
Recommended in the presence of 6% organic matter according to current AOAC Use-Direction Tests. Effective as a sanitizer in the presence of 1,000 ppm water hardness according to AOAC Chemical and Detergent Sanitation Test.

For use on dairy farms, hog farms, poultry and turkey farms, federally inspected meat and poultry processing plants, and egg processing plants, such as shops, kennels, pet shops, veterinary clinics and all other sites, laboratories, restaurants, bars, & beverage plants.

### INSTRUCTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

#### FOR POULTRY AND SWINE HOME DISINFECTING

##### PREPARE TO DISINFECT:

1. All animals, as well as feces, must be removed from the premises. This includes emptying all troughs, racks, and other feeding and water appliances.
2. Remove all litter and droppings from floors, walls, and other surfaces as occupied or traversed by animals.
3. Thoroughly clean all surfaces with detergent and rinse with water.

##### DISINFECTION PROCEDURES:

1. Pre-wash all surfaces with water. Add required amount of Formulation HS 210-15 to 2 ounces per 4 1/2 gallons of water. Mix thoroughly. Rinse with water.
2. Spray all surfaces above and below with the Formulation HS 210-15 disinfectant solution. Follow standard pattern with overlapping sections so that all surfaces are wet. Standing water should be kept to a minimum.
3. Saturate surfaces with the recommended disinfecting solution for a period of 10 minutes.
4. Ventilate buildings, clean, and other clean spaces. Do not reuse animals or empty equipment until treatment has been absorbed, out, or dried.

All treated equipment that will be in contact with food or drinking water must be rinsed with potable water before using.

#### GENERAL USE DIRECTIONS FOR DISINFECTING

For use in hospitals and nursing homes, federally inspected meat and poultry plants, restaurants and bars, beverage plants.

For use on hard non porous surfaces such as floors, walls, metal surfaces, porcelain and plastic surfaces. Remove gross dirt and heavy soil deposits then thoroughly wet surface, as recommended and required. Use 2 ounces per 4 1/2 gallons of water for a minimum contact time of 10 minutes in a single application. Can be applied with a mop, sponge or cloth as well as spraying or sucking. The recommended use solution is prepared fresh for each use then discarded. Rinsing is not necessary unless floors are to be waxed or polished.



#### SANITIZING DAIRY, MEAT AND POULTRY PROCESSING UTENSILS AND EQUIPMENT

For use as a sanitizer of hard non-porous surfaces dilute 2 ounces of Formulation HS 210-15 per 1 1/2 gallons of water providing 180 ppm active quat. Prior to sanitizing thoroughly clean all surfaces with detergent and rinse with water. Refasten or tighten with Formulation HS 210-15 solution for a contact time of 1 minute. Allow the surface to completely drain and air dry before use. A fresh solution should be prepared at least daily or more often if the solution becomes diluted or soiled.

For use as a sanitizer dilute 2 ounces of Formulation HS 210-15 per 1 1/2 gallons of water. Prior to sanitizing, thoroughly clean all surfaces with detergent and rinse with water. Saturate surface with Formulation HS 210-15 for a period of 1 minute.

DAIRY COWS: The udders, flanks, and teats of dairy cows can be washed with a solution of 2 ounces Formulation HS 210-15 in 1 1/2 gallons of warm water. Do not reuse. Use a fresh towel for each cow. Avoid contamination of wash solution by dirt and soil. Do not dip udder areas back into wash solution. When solution becomes visibly dirty, discard and provide fresh solution.

Before use in federally inspected meat and poultry food processing plants, in cases, food products and packaging materials must be removed from the room or carefully protected. A potable water rinse is not required following use of this compound on previously cleaned hard surfaces provided that the surfaces are adequately rinsed before contact with food so that this or no residue remains.

#### SANITIZING SHELL EGGS & INTENDED FOR FOOD

To sanitize previously cleaned hard-shell eggs in shell and egg product processing plants, spray with a solution of 2 ounces of Formulation HS 210-15 in 1 1/2 gallons of warm water (180 ppm quat). The solution should be warmer than the eggs but not to exceed 130°F. Rinse eggs thoroughly and allow to drain. Eggs sanitized with this product shall be subjected to a potable water rinse only if they are to be broken immediately for use in the manufacture of egg products. Eggs should be reasonably dry before eating or marketing. The solution should not be reusable for sanitizing eggs.

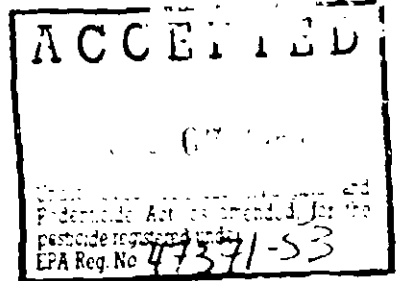
Restaurant and Bar Use: For use as a sanitizer on dishes, glassware, silverware, cooking utensils, wash with detergent, rinse thoroughly and immerse in a solution (2 ounces per 1 1/2 gallons of water) for at least 1 minute. Do not reuse.

BEVERAGE PLANTS: For sanitizing of bottling or pre-mix dispensing equipment, after cleaning thoroughly rinse equipment with cold or lukewarm water. Fill equipment with solution of 2 oz. per 1 1/2 gallons of water (150 ppm of quat). Allow the solution to remain in contact with equipment for at least 1 minute or until operations resume at which time the sanitizing solution should be drained from the system.

To insure the removal of flavors, it is suggested that during change over between products, the system should be cleaned, rinsed and flushed with the sanitizing solution for 1 minute.

SANITARY FILLING: Recommended for use in sanitizing bottles or cans in the final rinse application. Formulation HS-210-15 to be proportioned into the final rinse water line of the container washer or rinse in concentration of 150 ppm. A sanitizing solution of 150 ppm active quat should be used in an external spraying application for the filler and closing machine.

STORAGE TANK SANITIZING: Recommended for sanitizing beer fermentation and holding tanks. A solution of 150 ppm should be applied by spraying or used in combination with automated cleaning systems. Drain thoroughly. Do not reuse. For mechanical operators or automated systems, the used sanitizing solution may not be reused for sanitizing, but may be reused for other purposes such as cleaning.



ACTIVE INGREDIENT: Disinfectant, Antimicrobial Chemical  
INERT INGREDIENTS  
Total

18.0%  
86.0%  
100.0%

## KEEP OUT OF REACH OF CHILDREN. DANGER

#### 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 if available, and promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, give large quantities of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN: Prolonged mucous damage may necessitate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Corrosive. Causes severe eye damage and skin damage. Do not get in eyes or on skin. Wash contaminated clothing before reuse. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly with soap and water after handling. Harmful if swallowed. Avoid consumption of food.

##### PHYSICAL AND CHEMICAL HAZARDS

Formulation HS 210-15 is a colorless granulate. Do not mix with soap or other alkaline materials.

#### STORAGE AND DISPOSAL

This product must be kept under locked storage sufficient to make it inaccessible to children or persons unqualified with its proper use. Do not contaminate water, food, or feed by storage or disposal. Open burning is prohibited. Do not reuse empty container.

#### PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of acute pesticide spray mixture or residue is a violation of Federal Law. If these wastes cannot be disposed of in accordance with the instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Response Team at the nearest EPA Regional Office for guidance.

#### CONTAINER DISPOSAL

##### PLASTIC CONTAINERS

Take these for recycling. 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. Do not burn.

##### FIBER DRUMS WITH LIDS

Completely empty drum by shaking and tapping sides and bottom to loosen clinging particles. Empty contents to applicable equipment. Then dispose of drum in a sanitary landfill or by incineration, if allowed by state and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

##### METAL CONTAINERS

Take these for recycling. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

#### STORAGE AND DISPOSAL

##### GENERAL

Consult Federal, state or local disposal authorities for approved alternative procedures.

NET CONTENTS

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