

47371-147

FORMULATION HS-1210 DISINFECTANT/SANITIZER (3.85%)

germicide and deodorant

DISINFECTANT 1:64 2 ounces per gallon of water (600ppm)
 SANITIZER 1:256 1 ounce per 2 gallons of water (150ppm)
 SANITIZER 1:192 1 ounce per 1 1/2 gallons of water (200ppm)

DIRECTIONS FOR USE

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

GENERAL USE DIRECTIONS FOR DISINFECTING: For use on pre-cleaned, hard, non-porous surfaces such as floors, walls, metal surfaces, stainless steel surfaces, porcelain, and plastic surfaces (such as polypropylene, polystyrene, etc.). Thoroughly wet all surfaces with a solution of 2 ounces or 1/4 cup of product per gallon of water. Let solution remain on the surface for a minimum contact time of 10 minutes. Allow to air dry. Can be applied with a mop, sponge, cloth, coarse sprayer, or by soaking. The use solution is prepared fresh for each use then discarded. Rinsing is not necessary if the floors are to be waxed or polished.

TO CONTROL MOLD AND MILD: To control mold and mildew on hard, non-porous surfaces pre-clean surfaces. Then apply 2 fluid ounces per gallon solution with mop, sponge, cloth, or coarse sprayer so as to wet all surfaces thoroughly. Let air dry. Repeat application every 7 days to control recurrence of growth.

FISHERY, MILK, CITRUS, ICE CREAM & POTATO PROCESSING PLANTS: Applied routinely as a disinfectant on walls and floors will reduce or eliminate odors in the processing area. Use on filling equipment to reduce or eliminate odors in the processing area and bacteria associated with condensation on equipment and plant.

FOR SANITIZING FOOD CONTACT SURFACES: For use on pre-cleaned, hard, non-porous surfaces such as counter tops, eating utensils, and drinking glasses. Remove gross food particles and soil prior to washing and rinsing the surfaces. Rinse with potable water prior to application of sanitizing solution. Then use 1 ounce per 1 1/2 - 2 gallons of water (150-200 ppm active quat) for a minimum contact time of 1 minute in a single application. Can be applied with a mop, sponge, cloth, or coarse sprayer, or by soaking. Thoroughly wet all surfaces. The recommended use solution is prepared fresh for each use then discarded. Drain thoroughly. Do not rinse. For mechanical applications, use solution may not be reused for sanitizing applications.

Before use as a sanitizer in federally inspected meat and poultry plants and delicatessen, 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 drained before contact with food so that little or no residue remains.

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 of 150-200 ppm active quat (1 ounce per 1 1/2 - 2 gallons of water) for at least 1 minute. Drain thoroughly. Do not rinse.

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 150-200 ppm quat (1 ounce per 1 1/2 - 2 gallons of water). 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 changeover between products the system should be drained, rinsed and flushed with the sanitizing solution for at least 1 minute. Allow to drain completely before using.

SANITARY FILLING: Recommended for use in sanitizing bottles or cans in the final rinse application. The product is to be proportioned into the final rinse water line of the container washer or filler in a concentration of 150-200 ppm active quat. A sanitizing solution of 150-200 ppm active quat should be used in an external application for the filler and closing medium.

Pseudomonascidal Staphylococidal Fungicidal *Virucidal

A concentrated, multi-purpose germicide and deodorant effective in 5% organic serum. Disinfects and deodorizes in one labor saving step. Recommended for use in hospitals, nursing homes, schools, colleges, veterinary clinics and animal life science laboratories, equine farms, tack shops, pet shops, airports, kennels, hotels and motels, poultry and turkey farms, dairy farms and hog farms, breeding and grooming establishments, and federally inspected meat and poultry plants.

Bactericidal at 1:64 dilution (2 ounces per gallon of water) against Pseudomonas aeruginosa, Staphylococcus aureus, and Salmonella choleraesuis according to AOAC Use-Dilution Test method, modified in the presence of 5% organic serum. (See reference sheet for complete list of pathogenic organisms).

Fungicidal against Trichophyton interdigitale and Candida albicans according to the AOAC fungicidal test, modified in the presence of 5% organic serum at a 1:64 dilution.

*Virucidal against *Doxia rhinotracheitis, *Avian infectious Bronchitis virus, and *Newcastle virus according to the virucidal qualification, modified in the presence of 5% organic serum at a 1:64 dilution.

ACTIVE INGREDIENTS

Didecyl dimethyl ammonium chloride	2.31%
n-Alkyl (C ₁₂ , 50%, C ₁₄ 40%, C ₁₆ 10%) dimethyl benzyl ammonium chloride	1.54%
INERT INGREDIENTS:	96.15%

KEEP OUT OF REACH OF CHILDREN DANGER

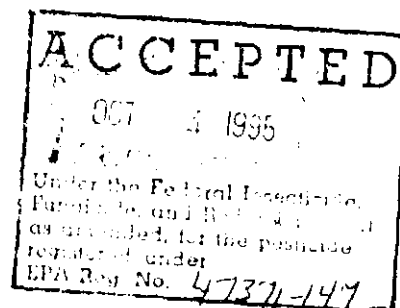
(See this panel for additional precautionary and practical treatment statements.)

EPA Reg. No. 47371-147

EPA Est. No. 47371-IN-01

Net Contents _____

HSB Chemicals Division
 970 East Tipton Street, Huntington, Indiana 46750
 (219) 356-7073



STORAGE TANK SANITIZING: Roacrom and holding tanks. A solution of 150-200 ppm in combination with automated cleaning system for mechanical operations or automated system not be reused for sanitizing but may be reused FOR SANITIZING IN FISHERIES, MILK CREAM PROCESSING PLANTS: For use equipment to reduce or eliminate odors in the filling equipment to reduce bacteria associated phase.

STATEMENT OF PRACTICAL TREATMENT: If in eye, hold eyelids open and flush with a solution. Get medical attention.

If on skin, wash with plenty of soap and water.

If swallowed, immediately drink a large quantity of water. Do not induce vomiting. NOTE TO damage may contact with the use of genital.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION Causes eye damage and skin irritation. Avoid breathing vapor or mist.

Wash thoroughly with soap and water after contact with this product.

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product, caustics, or other wastes unless in accordance with National Pollution Discharge Elimination System authority has been notified in writing prior to discharging this product to sewer systems or sewage treatment plant authority. For guidance Regional Office of the EPA.

STORAGE AND

PROHIBITIONS

Do not contaminate water, food, or feed by a prohibited. Do not reuse empty container.

PESTICIDE DISPOSAL

Wastes resulting from the use of this product approved waste disposal facility.

CONTAINER DISPOSAL

PLASTIC CONTAINERS

Triple rinse (or equivalent). Then offer for re-use and dispose of in accordance with local, state, or federal authorities. Do not reuse or burn any empty container.

METAL CONTAINERS

Triple rinse (or equivalent). Then offer for re-use and dispose of in an authorized landfill, or by a local authority.

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1. Remove all poultry and feeds from premises, trucks, coops, and crates.
2. Remove all litter and droppings from floors, walls and surfaces of facilities occupied or traversed by poultry.
3. Empty all troughs, racks, and other feeding and water appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. Saturate surfaces with the recommended disinfecting solution for a period of 10 minutes.
6. Ventilate buildings, coops, and other closed spaces. Do not house poultry or employ equipment until treatment has been absorbed, set or dried.
7. Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains, and waterers with soap or detergent, and rinse with potable water before reuse.

FARM PREMISE DISINFECTANT

Dilution: 1:64

2 ounces per gallon

Directions for Use

1. Remove all animals and feed from premises, vehicles, and enclosures.
2. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, crates, and other facilities and fixtures occupied or traversed by animals.
3. Empty all troughs, racks, and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. Saturate all surfaces with the recommended disinfecting solution for a period of 10 minutes.
6. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.
7. Ventilate buildings, cars, boats, and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set, or dried.
8. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains, and waterers with soap or detergent, and rinse with potable water before reuse.

ACCEPTED

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Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 47371-147

CITRUS CANCER CONTROL

* For prevention of Citrus Canker Disease through treatment of equipment. Effective against *Xanthomonas campestris* pv. *vesicatoria* (Citrus Canker Disease) at 2000 ppm active quat. Treat all equipment thoroughly at a dilution ratio of 1:25 (2000 ppm active quat). Treatments can be applied to field equipment, outer clothing, shoes, vehicles, tires, and any other equipment taken into infested areas. To prevent the spread of Citrus Canker by this artificial means of transportation, treatments are made by trigger spraying, dipping or brushing, using a maximum rate of 2000 ppm quat. Clothing should be either thoroughly rinsed or laundered before reuse. Footwear should be rinsed before reuse.

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[May be used as box insert and/or hang tag.]

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Huntington®

A/E Chemical

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(Reference Sheet)

BACTERICIDAL AGAINST:

Effective against the following according to the AOAC Use-Dilution Test, modified in the presence of 5% organic serum.

Pseudomonas aeruginosa
Staphylococcus aureus
Salmonella choleraesuis
Escherichia coli
Salmonella typhi
Scarcia marcescens
Klebsiella pneumoniae
Streptococcus pyogenes
Shigella flexneri
Proteus mirabilis
Staphylococcus aureus phage 80
Staphylococcus aureus phage 81
Enterobacter aerogenes
Mycoplasma gallisepticum
Listeria monocytogenes
Pseudomonas putida
Aeromonas salmonicida
Vibrio anguillarum

Effective against the following according to the AOAC Germicidal & Detergent Sanitizer Test, modified in the presence of 800 ppm water hardness (calculated as CaCO_3)

Staphylococcus aureus
Escherichia coli

FUNGICIDAL & MILDEWICIDAL AGAINST:

Effective against the following according to the AOAC Use-Dilution Test, modified in the presence of 5% organic serum.

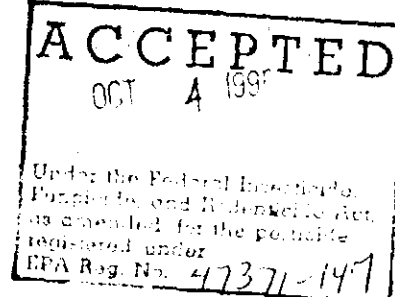
Aspergillus flavus
Aspergillus fumigatus
Aspergillus glaucus
Candida albicans
Trichophyton interdigitale
Alternaria tenuis
Geotrichum candidum
Penicillium digitatum
Phytophthora infestans
Trichoderma harzianum
Fusarium oxysporum
Rhizopus nigricans (stolonifer)

VIRUCIDAL AGAINST:

Effective against the following according to the virucidal qualifications modified in the presence of 5% organic serum.

Bovine rhinotracheitis virus
 Avian Infectious Bronchitis virus
 Newcastle virus

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