

FORMULATION HS-1210 DISINFECTANT/SANITIZER (50%)

germicide and deodorant:

Pseudomonacidal • Staphylocidal • Fungicidal • Virucidal

DISINFECTANT 1:1000 2 OUNCES PER 154 GALLONS OF WATER
(300 ppm of quat)
SANITIZER 1:3333 1 OUNCE PER 26 GALLONS OF WATER
(150 ppm of quat)

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. Thoroughly wet all surfaces with a solution of 2 ounces of product per 154 gallons 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, trigger sprayer, or by soaking. The use solution is prepared fresh for each use then discarded. Rinsing is not necessary unless floors are to be waxed or polished.

FOR SANITIZING FOOD CONTACT SURFACES: For use on pre-cleaned, hard, non-porous surfaces such as chopping blocks, counter tops, eating utensils, and drinking glasses. For heavily soiled areas, 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 26 gallons of water for a minimum contact time of 1 minute in a single application. Can be applied with a mop, sponge, cloth, trigger 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 dairies, 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 (1 ounce per 26 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 2 ounces per 154 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 changeover or between products the system should be cleaned, rinsed and flushed with the sanitizing solution for at least 1 minute. Allow to drain completely before using.

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 1:1000 dilution (2 ounces per 154 gallons 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 mentagrophytes* and *Candida albicans* according to the AOAC fungicidal test, modified in the presence of 5% organic serum at a 1:1000 dilution.

Virucidal against Bovine rhinotracheitis, Bronchitis virus, and Newcastle virus according to the virucidal qualification, modified in the presence of 5% organic serum at a 1:1000 dilution.

Formulation HS-1210 Disinfectant/Sanitizer (50%) is effective against *Staphylococcus aureus* and *E. coli* as a sanitizer in 800 ppm hard water as tested by the AOAC Germicidal and Detergent-Sanitizer Method at 150 ppm quat. Formulation HS-1210 Disinfectant/Sanitizer (50%) fulfills the criteria of Appendix F of the Grade A Pasteurized Milk Ordinance 1978 Recommendation of the US Public Health Service.

ACTIVE INGREDIENTS:

Didecyl dimethyl ammonium chloride	30.0%
s-Alkyl (C ₁₂ , 50%, C ₁₄ , 40%, C ₁₆ , 10%) dimethyl benzyl ammonium chloride	20.0%
INERT INGREDIENTS:	50.0%

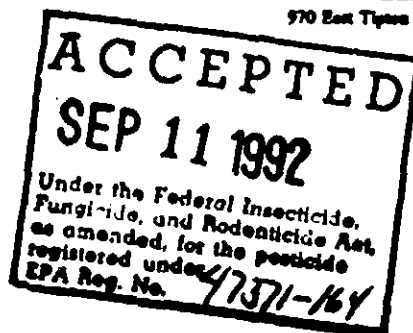
KEEP OUT OF REACH OF CHILDREN

DANGER

(See side panel for additional precautionary and practical treatment statements)

EPA Registration 647371-164 EPA Establishment 647371-IN-01
Net Contents _____

H&S Chemical Division
970 East Tipton Street, Huntington, Indiana 46750
(219) 356-7073



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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 from the container washer or rinser 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 capping 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 rinse. For mechanical operations or automated systems, the used sanitizing solution may not be reused for sanitizing but may be reused for other purposes such as cleaning.

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 swallowed, promptly drink a large quantity of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN: Prohibit mechanical 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 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 or fatal if swallowed. Avoid contamination of food.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply in marine and/or estuarine oil fields. Do not discharge into lakes, streams, ponds, or public waters unless in accordance with an NPDES permit. For guidance, contact your Regional Office of the Environmental Protection Agency. Formulation HS-1210 Disinfectant/Sanitizer (50%) is a cationic quaternary ammonium compound. Do not mix with soap or anionic materials. Do not use or store near heat or flame.

STORAGE AND DISPOSAL

PROHIBITIONS

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

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 State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

PLASTIC CONTAINERS

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration if allowed by state and local authorities, by burning. If burned, stay out of smoke.

FIBER DRUMS WITH LINERS

Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residues into application equipment. Then dispose of liner 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

Triple rinse (or equivalent). 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.

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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 watering 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.

(Refer to label for precautionary and practical treatment statements.)
EPA Reg. No. 47371-164

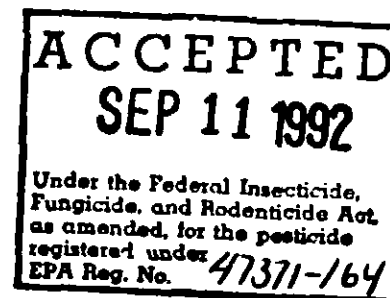
FAPM PREMISE DISINFECTANT

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, chutes, 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.

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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Formulation HS-1210 Disinfectant/Sanitizer (50%)

(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
Serratia marcescens
Klebsiella pneumoniae
Streptococcus pyogenes
Shigella flexneri
Proteus mirabilis
Staphylococcus aureus phage 80
Staphylococcus aureus phage 81
Enterobacter aerogenes
Mycoplasma gallisepticum

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 & MILDEWCIDAL AGAINST:

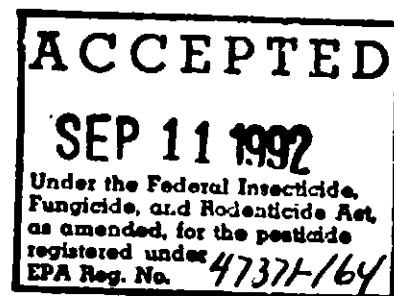
Effective against the following according to the AOAC Use-Dilution Test, modified in the presence of 5% organic serum.

Aspergillus flavus
Aspergillus fumigatus
Aspergillus glaucus
Candida albicans
Trichophyton interdigitale

VIRUCIDAL AGAINST:

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

Bovine rhinotracheitis virus
Bronchitis virus
Newcastle virus



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