

PM 31 47371-164

10/12

FORMULATION HS-1210 DISINFECTANT/SANITIZER (50%)

DISINFECTANT 1:1000 . 2 OUNCES PER 15 1/2 GALLONS OF WATER
(500 ppm quat)
SANITIZER 1:3333 1 OUNCE PER 26 GALLONS OF WATER
(150 ppm quat)
SANITIZER 1:2496 1 OUNCE PER 19 1/2 GALLONS OF WATER
(200 ppm 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: Remove heavy soil deposits from surface. Then thoroughly wet surface with a solution of 2 ounces per 15 1/2 gallons of water. Apply solution by cloth, mop, sponge, or coarse spray, or by soaking. Let solution remain on the surface for a minimum contact time of 10 minutes. Rinse or allow to air dry. Rinsing of floors is not necessary unless they are to be waxed or polished. Prepare a fresh solution daily or more often if solution becomes visibly dirty or diluted.

SANITIZING: To sanitize previously cleaned and rinsed surfaces. Thoroughly wet surface with a solution of 1 ounce of concentrated per 19 1/2 - 26 gallons of water (200 - 150 ppm quat). Apply solution by cloth, mop, sponge, or coarse spray, or by soaking. Let solution remain on surface for a minimum of 1 minute. Do not rinse. Drain thoroughly. Prepare a fresh solution daily or more often if solution becomes visibly dirty or diluted.

USDA: For use in federally inspected meat and poultry plants as a sanitizer for all hard, non-porous surfaces not always requiring a rinse. Food packaging materials must be removed from the room or carefully protected. Follow the above directions for sanitization.

FOR WISCONSIN ONLY**SANITIZING EATING AND DRINKING UTENSILS IN EATING ESTABLISHMENTS:**

1) Scrape and pre-wash utensils and glasses whenever possible. 2) Wash with a good detergent or compatible cleaner. (A commercial cleaner or detergent may be recommended.) 3) Rinse with clean water. 4) Sanitize in a solution of 1 fluid ounce to 19 1/2 - 26 gallons of water (200 - 150 ppm quat). Immerse all utensils for at least two minutes or for a contact time specified by governing sanitary codes. 5) Place sanitized utensils on a rack or drain-board to air dry. 6) Fresh sanitizing solution should be prepared at least daily or when visibly soiled or diluted.

NOTE: A clean potable water rinse following sanitization is not permitted under Section HSS 196.13 of the Wisconsin Administrative Code.

RESTAURANT AND BAR USE: For sanitizing dishes, glassware, silverware, cooking utensils, wash with detergent, rinse thoroughly and immerse in a solution 1 ounce per 19 1/2 - 26 gallons of water (200 - 150 ppm quat) 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. Fill equipment with solution of 1 ounce per 19 1/2 - 26 gallons of water (200 - 150 ppm 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, repeat the above procedure before processing a different product. Allow to drain completely before using.

CITRUS CANKER CONTROL: Effective against *Xanthomonas campestris* pv. *vesicatoria* (Citrus Canker Disease). Prepare a dilution ratio of 1:25 (200 ppm quat). Treatments can be applied to field equipment, outer clothing, shoes, vehicles, tires, and any other equipment taken into infested areas. Apply solution by coarse spray, dipping, or brushing. Clothing should be laundered before reuse. Footwear should be rinsed before reuse.

disinfectant - sanitizer - deodorant

ONE-STEP

Salmonellacidal · Bactericidal · Pseudomonacidal
Staphylocidal · Fungicidal · *Virucidal

A multi-purpose germicide effective in the presence of a moderate amount of organic soil (5% serum) according to the AOAC Use-Dilution Test. Disinfects, cleans, and deodorizes in one labor-saving step. Effective against the following pathogens:

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

*Bovine rhinotracheitis virus
*Bronchitis virus
*Newcastle virus

Aspergillus flavus
Aspergillus fumigatus
Aspergillus glaucus
Candida albicans
Trichophyton mentagrophytes

As a sanitizer for food contact surfaces the solution of 1 ounce per 19 1/2 - 26 gallons of water (200 - 150 ppm quat) is effective in 800 ppm hard water (Calculated as CaCO₃). Effective against:

Staphylococcus aureus *Escherichia coli*

Recommended for use in hospitals, nursing homes, schools, colleges, medical clinics, veterinary clinics, animal life science laboratories, equine farms, tack shops, pet shops, airport, kennels, poultry farms, turkey farms, dairy farms, hog farms, breeding/grooming establishments, dental offices, office buildings, restaurants, bars, beverage plants, citrus plants, breweries, federally inspected meat and poultry plants, and households.

Designed for floors, walls, metal surfaces, painted surfaces, stainless steel surfaces, lavatory fixtures, showers, glazed porcelain, machinery and equipment, garbage cans, plastic surfaces (such as polypropylene, polystyrene, etc.), and other hard, non-porous surfaces.

ACTIVE INGREDIENTS:

Didecyl dimethyl ammonium chloride 30.0%
n-Alkyl (C₁₂ 50%, C₁₁ 40%, C₁₀ 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.)

ACCEPTED
APR 28 1993

EPA Registration No. 47371-164
EPA Est. No. 47371-IN-01

NET CONTENTS

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under
EPA Reg. No. 47371-164

SANITARY FILLING: To sanitize bottles or cans in the final rinse application. This formula is to be proportioned into the final rinse water line of the container washer or rinser in concentration of 150 - 200 ppm quat. A sanitizing solution of 150 - 200 ppm active quat should be used in an external spraying application for the filler and closing machine.

STORAGE TANK SANITIZING: To sanitize beer fermentation and holding tanks. A solution of 150 - 200 ppm quat should be applied by coarse spray 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, immediately drink a large quantity of water. Avoid alcohol. Get medical attention 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.

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. This pesticide is a cationic germicide. Do not mix with soap or anionic materials. Do not use or store near heat or flame.

STORAGE AND DISPOSAL

Keep product under locked storage, inaccessible to children. 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 Protection 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 incinerate; or if allowed by state and local authorities, burn. If burned, stay out of smoke.

(FOR 1 GALLON OR LESS)

Do not reuse empty container. Rinse thoroughly, securely wrap in several layers of newspaper, and discard empty container in trash.

FIBER DRUMS WITH LINERS

Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of in a sanitary landfill or incinerate 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 dispose of by other procedures approved by state and local authorities.

12149

and other outdoor home recreation areas, apply 2 tablespoons in a minimum of 1 gal. of water as a drench. Apply over and 6 inches around each mound. Apply gently to avoid disturbing ants. Reapply as necessary. Larger quantities of solution can be prepared for multiple mound treatments. Use equipment capable of delivering the diluted product as a gentle rain at the rate of 1 gal. per mound. High pressure sprays may disturb the ants and cause migration, reducing product effectiveness.

NOTE: For best results, apply in cool weather 65-80°F. or in early morning or late evening hours. Treat new mounds as they appear.

Spider), Thrips, Whiteflies

Fruits and Nuts

Start spraying after blooming. Applications should be made according to infestation or when aphids, mites, and crawler stages of scale insects are first noted.

Observe stated time intervals between last application and harvest of the crop, as well as intervals between applications and total number of applications that can be made per season.

Crop	PHI*
Almonds	**
Apricots	21
Blackberries	7
Boysenberries	7
Cherries	21
Dewberries	7
Grapes	28
Loganberries	7
Nectarines	21
Peaches	21
Plums	21
Prunes	21
Raspberries	7
Strawberries	5
Walnuts	45

* PHI = Pre-Harvest Interval, or the number of days between the last application and harvest.

** Dormant spray only.

Note: To protect bees, do not apply to fruit trees when trees or substantial numbers of weeds around the trees are in bloom.

Crop	Pest	Rate	Timing/Special Directions
Almonds (CA only)	San Jose scale, Parlatoria scale	2 tablespoons in 3 gals. of water	Apply only as a dormant spray. Do not apply more than 8 gallons per 500 sq. ft. of orchard. This product may be used on almonds only in CA. Do not use this product on almonds grown in other states.

Insect Control on Ornamental Trees, Shrubs and Flowers

Trees and Shrubs	Insects	Rate per 3 Gals. of Water	Timing/Special Directions
Arboreal, Azaleas, Birch, Boxwood, Camellias, Douglas Fir, Elm, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Mimosa, Oak, Pine, Ornamental Plum, Poplar, Rhododendron, Spruce, Willow	Aphids, Bagworms, European Pine Shoot Moths, Holly Bud Moths, Dipterous Leafminers (Arboreal, Azalea, Birch, Boxwood, Holly, Oak), Leafhoppers, Mealybugs, Mites (Clover, Cyclamen, European Red, Privet, Two-spotted Spider), Obscure Root Weevils, Omnivorous Leaf-tiers, Scale Crawlers (Cottony-cushion, Euonymus, Lecanium, Pine Needle, Pit, San Jose, Soft)	2 table-spoons	Apply as a thorough foliar spray. Wet leaves and branches to the dripping point. Try to penetrate dense foliage with spray.
	Webworms (Juniper, Mimosa), Whiteflies	2 table-spoons	Apply as a thorough foliar spray. Mimosa Webworms: apply as a thorough foliar spray when adults first appear. Make two additional applications at 4-5 week intervals.
	Apple-and-Thorn Skeletonizers, Hemlock Cherries, Oak Looper, Obliquebanded Leafrollers, Pear Slugs, Tent Caterpillars, Webworms (Cottony-cushion, Fall)	2 table-spoons	Apply as a thorough foliar spray.



H&S Chemicals Division

label cont.

FORMULATION HS-1210 DISINFECTANT/SANITIZER (50%)

FARM PREMISE, LIVESTOCK, TURKEY, AND POULTRY HOUSE DISINFECTANT

DILUTION: 1:1000

2 OUNCES PER 15 1/2 GALLONS OF WATER

DIRECTIONS FOR USE

1. Remove all animals and feeds from premises, trucks, coops, crates, 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 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 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, coops, cars, boats, and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried.
8. After treatment, thoroughly scrub feed racks, troughs, automatic feeders, fountains, and waterers with soap or detergent, and rinse with potable water before reuse.

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

