

US ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (TS-767)  
WASHINGTON, DC 20460

EPA REGISTRATION NO.  
47371-164

DATE OF ISSUANCE

TERM OF ISSUANCE

SEP 18

NOTICE OF PESTICIDE: ☒ REGISTRATION  
☐ REREGISTRATION  
(Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT  
Formulation HS-1210 Disinfectant/  
Sanitizer (50%)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

H&S Chemicals Division  
970 East Tipton Street  
Huntington, IN 46750

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit/cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) and FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.

2. Add the phrase "EPA Registration No. 47371-164" to your label before you release the product for shipment.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

John H. Lee

Product Manager (31)

Antimicrobial Program Branch

Registration Division (H7505C)

Enclosures

☐ ATTACHMENT IS APPLICABLE

BEST AVAILABLE COPY

SIGNATURE OF APPROVING OFFICIAL

DATE

PH 71 47371-164

## FORMULATION HS-1210 DISINFECTANT/SANITIZER (50%)

### germicide and deodorant

DISINFECTANT 1:1000 2 OUNCES PER 154 GALLONS OF WATER  
SANITIZER 1:3333 1 OUNCE PER 26 GALLONS OF WATER

#### 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 144 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 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.

Pseudomonocidal · Staphylocidal · 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 sciences 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 interdigitale* 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 Pasturized Milk Ordinance 1978 Recommendation of the US Public Health Service.

#### ACTIVE INGREDIENTS:

Didcyl dimethyl ammonium chloride ..... 30.0%  
n-Alkyl (C<sub>12</sub> 50%, C<sub>14</sub> 40%, C<sub>16</sub> 10%) didcyl henryl  
ammonium chloride ..... 20.0%  
INERT INGREDIENTS: ..... 50.0%

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

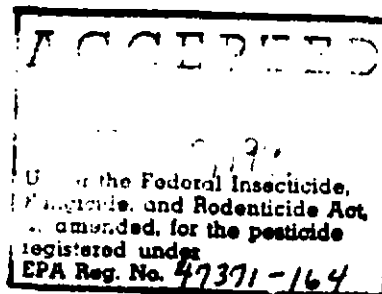
(See side panel for additional precautionary and practical treatment statements)

EPA Registration #47371- EPA Establishment #47371-IN-01  
Net Contents \_\_\_\_\_

H&S Chemicals Division

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

BEST AVAILABLE COPY



**SANITARY FILLING:** Recommended final rinse application. The product is line of the container washer or rinsing solution of 150 ppm active quat should be for the filler and closing machine.

**STORAGE TANK SANITIZING:** fermentation and holding tanks. A spraying or used in combination with thoroughly. Do not rinse. For mechanical used sanitizing solution may not be used for other purposes such as cleaning.

**STATEMENT OF PRACTICAL USE:** In case of contact, immediately flush with 15 minutes. For eyes call a physician.

**NOTE TO PHYSICIAN:** Prohibit use of gastric lavage. Measures against convulsion may be needed.

**PRECAUTIONARY STATEMENTS:** HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Corrosive. Causes eye and skin damage. Contaminated clothing before reuse. gloves when handling. Wash thoroughly. Harmful or fatal if swallowed. Avoid ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not use in or near water bodies. Do not discharge into lakes, streams, or rivers without an NPDES permit. For guidance contact the Environmental Protection Agency. Formulation HS-1210 (50%) is a cationic germicide. Do not use or store near heat or flame.

**STORAGE AND**

#### PROHIBITIONS

Do not contaminate water, food, or feed. Do not use empty containers for PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Do not discharge into lakes, streams, or rivers. Dispose of by use according to label or by use according to label of Environmental Control Agency, or the nearest EPA Regional Office for guidance. CONTAINER DISPOSAL PLASTIC CONTAINERS

Triple rinse (or equivalent). Then puncture and dispose of in a sanitary landfills and local authorities, by burning. If in FIBER DRUMS WITH LINERS Completely empty liner by shaking and particles. Empty residue into appropriate sanitary landfill or by incineration if drum is contaminated and cannot be reused. METAL CONTAINERS

Triple rinse (or equivalent). Then puncture and dispose of in a sanitary landfills and local authorities.

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.

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

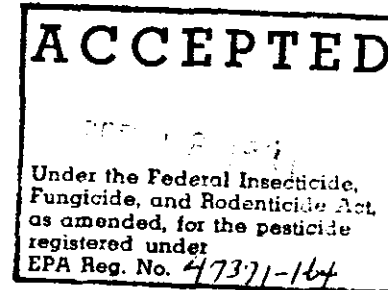
### FARM PREMISE DISINFECTANT

#### 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 CANCKER 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.



4 of 4

## 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*

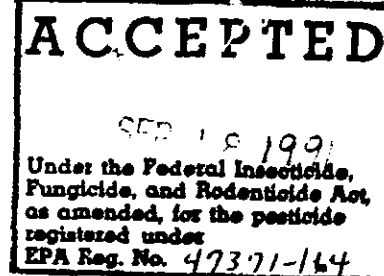
Effective against the following according to the AOAC Germicidal & Detergent Sanitizer Test, modified in the presence of 800 ppm water hardness (calculated as  $\text{CaCO}_3$ )

*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

090991