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47371-131

9-21-99

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

H&S Chemicals Division  
c/o Lonza Inc.  
17-17 Route 208  
Fair Lawn, NJ 07410

SEP 21 1999

ATTENTION: Ruth Trager

SUBJECT: Formulation HWS-64  
EPA Registration Number 47371-131  
Your Amendment Dated: March 25, 1999  
EPA Received Date: March 30, 1999

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable subject to the following comments.

**Efficacy Review**

Microbiological data developed by the Official Methods of the AOAC Use Dilution Test Method 15th edition (1990) (MRID 447691-01) was submitted to support 47371-129. This study supports the claims of effectiveness of 47371-131 against *Staphylococcus aureus* (VRSA) a clinical isolate with reduced resistant susceptibility to Vancomycin at a dilution of 1:64 (2.0 ounces/gallon) in the presence of 5% organic soil (fetal bovine serum) and 400 ppm synthetic hard water.

Effectiveness was demonstrated when the diluted product was applied and allowed to remain wet for an exposure time (contact time) of 10 minutes when used on hard, nonporous, inanimate surfaces in the presence of a moderate organic soil and synthetic hard water.

The Agency has no objection to the proposed designation of *Staphylococcus aureus* (HIP-5836) as a vancomycin intermediate resistant *Staphylococcus aureus* (VISA) strain. The Agency agrees that this designation is both appropriate, more correct, and consistent with the strain designation terminology being promulgated by the Centers for Disease Control.

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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

2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

A. Make the correction from VRSA to VISA and correctly state vancomycin intermediate resistance next to Staphylococcus aureus on the front center panel of the label.

B. The Agency has corrected the Agency Internal Use Copy of the submitted Data Matrix such that the MRID for the study submitted to support Staphylococcus aureus (VRSA) reduced resistant susceptibility to Vancomycin reads as follows: 447691-01. Make the same correction to the Data Matrix in your files.

C. Change the heading "General Use Directions" to read "Directions for Use".

D. In the first section under "General Use Directions" delete the phrase "...and other hard, nonporous surfaces." Your label may list additional surfaces, but may not include broad nonspecific statements such as the one previously mentioned. Revise this statement to read "Disinfects, cleans, and deodorizes *the following hard nonporous inanimate surfaces*: walls, floors, metal surfaces..."

E. Change the subheading "Application" to read "Disinfection".

F. On the center panel the claims "Pseudomonacidal", "Staphylocidal," "Salmonellacidal," "Bactericidal," and "Germicidal" are not allowed since this product does not kill all organisms of the genus Pseudomonas, Staphylococcus, Salmonella, all bacteria, or all germs.

G. Since this product may be used in households, a disclaimer statement must be added to the label: "This product must not be used to clean the following food contact surfaces: utensils, glassware, and dishes."

If your label changes are handled through word processing, you should go ahead and address the following comments in addition to the above comments. Please submit a revised label for the Agency's review. However, if you are in the process of printing labels, you will need to submit a label amendment addressing these comments prior to your next label printing.

H. The use sites, commercial and industrial institutions, need to either be clarified or deleted.

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

I. Add specific use directions for disinfection in the following sites you claim: veterinary clinics, animal life science laboratories, pet shops, and kennels. The directions must also indicate specific surfaces for disinfection as well as the removal of the animals from the premises. The same set of directions may be used for all of the previously mentioned sites.

J. The first section under "General Use Directions" makes claims for disinfecting, cleaning and deodorizing. According to DIS/TSS-15 your product must have separate "Directions for Use" for disinfecting, cleaning and deodorizing. Include directions for cleaning and deodorizing.

K. Provide specific directions for fungicidal activity.

3. Submit two ( 2 ) copies of your final printed labeling before you release the product for shipment.

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

A stamped copy of the labeling is enclosed for your records. Should you have any questions concerning this letter, please contact Tracy Lantz at (703) 308-6415.

Sincerely,



Velma Noble  
Product Manager (31)  
Regulatory Management Branch I  
Antimicrobials Division (7510C)

Enclosure

7510C:T.Lantz:8/27/99:47371-131c  
9/14/99

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**CUIDADO:** SI NO PUEDE LEER EN INGLES, PREGUNTE A SU SUPERVISOR SOBRE LAS INSTRUCCIONES DE USO APROPIADAS ANTES DE TRABAJAR CON ESTE PRODUCTO.

DILUTION: 1:64  
(630 ppm Quat)

2 OUNCES PER GALLON OF WATER

#### DIRECTIONS FOR USE

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

This product is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body; or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical devices prior to sterilization or high-level disinfection.

#### GENERAL USE DIRECTIONS

Recommended for use in hospitals, nursing homes, schools, colleges, commercial and industrial institutions, office buildings, veterinary clinics, animal life science laboratories, federally inspected meat and poultry establishments, equine farms, tack shops, pet shops, airports, kennels, hotels, motels, poultry farms, turkey farms, dairy farms, hog farms, breeding establishments, grooming establishments, funeral homes, and households. Disinfects, cleans, and deodorizes floors, walls, metal surfaces, stainless steel surfaces, glazed porcelain, plastic surfaces (such as polypropylene, polystyrene, etc.), and other hard, nonporous surfaces.

**APPLICATION:** Remove heavy soil deposits from surface. Then thoroughly wet surface with a solution of 2 ounces of the concentrate per gallon of water. The solution can be applied with a cloth, mop, sponge, or coarse spray, or soaking. Let solution remain on surface for a minimum of 10 minutes. Rinse or allow to air dry. Rinsing of floors is not necessary unless they are to be waxed or polished. Food contact surfaces must be thoroughly rinsed with potable water. Prepare a fresh solution daily or more often if the solution becomes visibly dirty or diluted.

**USDA:** For use in federally inspected meat and poultry plants on all hard, non-porous surfaces in inedible product processing areas, nonprocessing areas, and/or exterior areas. All surfaces must be thoroughly rinsed with potable water.

**USDA:** For use in federally inspected meat and poultry plants as a floor and wall cleaner for use in all departments. Food products and packaging material must be removed from the room or carefully protected. All surfaces must be thoroughly rinsed with potable water.

**USDA:** For use in federally inspected meat and poultry plants as a disinfectant agent for use in all departments. Food products and packaging materials must be removed from the room or carefully protected. Use product in accordance with its label. All surfaces must be thoroughly rinsed with potable water.

**TOILET BOWLS:** Swab bowl with brush to remove heavy soil prior to cleaning or disinfecting. Clean by applying diluted solution around the bowl and up under the rim. Stubborn stains may require brushing. To disinfect, first remove or expel over the inner trap the residual bowl water. Pour in three ounces of the diluted solution. Swab the bowl completely using a scrub brush or mop, making sure to get under rim. Let stand for 10 minutes or overnight, then flush.

**MILDEWSTATIC INSTRUCTIONS:** Will effectively control the growth of mold and mildew plus the odor caused by them, when applied to hard, non-porous surfaces such as walls, floors, and table tops. Apply solution (2 ounces per gallon of water) with a cloth, mop, sponge, or coarse spray. Make sure to wet all surfaces completely. Let air dry. Repeat application weekly or when growth reappears.

## FORMULATION HWS-64/ (Formulacion HWS-64)

### ONE-STEP,

#### GERMICIDAL DETERGENT AND DEODORANT

Disinfectant Pseudomonacidal Staphylocidal Salmonellacidal  
Bactericidal Fungicidal Mildewstatic Virucidal

A multi-purpose, neutral pH, germicidal detergent and deodorant effective in hard water up to 400 ppm (calculated as CaCO<sub>3</sub>) in the presence of a moderate amount of soil (5% organic serum) according to the AOAC Use-dilution Test. Disinfects, cleans, and deodorizes in one labor-saving step.

Effective against the following pathogens:

Pseudomonas aeruginosa <sup>1</sup>	*Adenovirus type 4
Staphylococcus aureus <sup>1</sup>	*Avian polyomavirus
Salmonella choleraesuis	*Canine distemper
Acinetobacter calcoaceticus	*Feline leukemia
Bordetella bronchiseptica	*Feline picornavirus
Chlamydia psittaci	*Herpes simplex type 1
Enterobacter aerogenes	*Herpes simplex type 2
Enterobacter cloacae	*HIV-1 (AIDS virus)
Escherichia coli <sup>1</sup>	*Infectious bovine rhinotracheitis
Fusobacterium necrophorum	*Infectious bronchitis (Avian IBV)
Klebsiella pneumoniae <sup>1</sup>	*Influenza A/Hong Kong
Legionella pneumophila	*Pseudorabies
Listeria monocytogenes	*Rabies
Pasteurella multocida	*Rubella (German Measles)
Proteus mirabilis	*Transmissible gastroenteritis virus (TGE)
Proteus vulgaris	*Vaccinia
Salmonella enteritidis	*Respiratory Syncytial Virus (RSV)
Salmonella typhi	
Salmonella typhimurium	Aspergillus niger
Serratia marcescens	Candida albicans
Shigella flexneri	Trichophyton mentagrophytes
Shigella sonnei	
Staphylococcus aureus - Methicillin Resistant (MRSA)	
Staphylococcus aureus - Vancomycin Resistant (VRSA)	
Staphylococcus epidermidis <sup>2</sup>	
Streptococcus faecalis <sup>1</sup>	
Streptococcus pyogenes	
Enterococcus faecalis - Vancomycin Resistant (VRE)	
<sup>1</sup> ATCC & antibiotic-resistant strain	
<sup>2</sup> antibiotic-resistant strain only	

#### ACTIVE INGREDIENTS:

Didecyl dimethyl ammonium chloride ..... 2.43%  
n-Alkyl (C<sub>14</sub> 50%, C<sub>12</sub> 40%, C<sub>10</sub> 10%)  
dimethyl benzyl ammonium chloride ..... 1.62%

**INERT INGREDIENTS:** ..... 95.95%

**TOTAL** ..... 100.00%

### KEEP OUT OF REACH OF CHILDREN

#### CAUTION

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

EPA Reg. No. 47371-131

EPA Est. No. \_\_\_\_\_

NET CONTENTS \_\_\_\_\_

H&S CHEMICALS DIVISION

c/o LONZA INC., 17-17 ROUTE 208, FAIR LAWN, NJ 07410

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION.** Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with eyes, skin and clothing. Harmful if inhaled. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

#### STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush with plenty of water. Call a physician if irritation persists.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

(If container size is 5 gallons or greater, use the following Environmental Hazards statements.)

#### ENVIRONMENTAL HAZARD

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

(If container size is one gallon or less, use the following Storage and Disposal statements.)

#### STORAGE AND DISPOSAL

Keep product under locked storage, inaccessible to small children. Do not reuse empty container. Rinse thoroughly, securely wrap empty container in several layers of newspaper and discard in trash.

(If container size is greater than one gallon, use the following Storage and Disposal statements.)

#### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

#### PESTICIDE STORAGE

Keep product under locked storage, inaccessible to children. Open dumping is prohibited. Do not reuse empty container.

#### PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

#### 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.

(Fiber Drums With Liner:) Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue 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 Container:) 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.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

SEP 21 1999

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 47371-131

**\*KILLS HIV-1 (AIDS VIRUS) ON PRECLEANED, ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood/body fluids, and in which the surfaces/objects likely to be soiled with blood/body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type I (HIV-1)(associated with AIDS)  
**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 (AIDS VIRUS) OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS:**

**Personal Protection:** Disposable latex or vinyl gloves, gowns, face masks, or eye coverings as appropriate must be worn during all cleaning of blood/body fluids and during decontamination procedures.

**Cleaning Procedures:** Blood/body fluids must be thoroughly cleaned from surfaces/objects before application of disinfectant.

**Contact Time:** HIV-1 (AIDS virus) is inactivated after a contact time of 4 minutes at 25°C (room temperature). Use a 10-minute contact time for other viruses, fungi, and bacteria listed.

**Disposal of Infectious Materials:** Blood/body fluids should be autoclaved and disposed of according to federal, state, and local regulations for infectious waste disposal.

#### CLEANSING OF BODY SURFACES AND BODY ORIFICES

**OF HUMAN REMAINS:** This product removes body secretions, soil, and blood, along with their accompanying malodor, from the surfaces and orifices of human remains. Using a sponge or washcloth, bathe the entire body with a solution of 2 ounces per gallon of water. A soft handbrush may be employed on surfaces other than the face. Prepare a fresh solution for each remains or when solution becomes visibly dirty or diluted.

#### 1. A PREMISE, LIVESTOCK, POULTRY & TURKEY HOUSE DISINFECTANT

DILUTION: 1:64 2 OUNCES PER GALLON OF WATER

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, vehicles, 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, 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 with disinfectant, thoroughly scrub feed racks, troughs, automatic feeders, fountains, and waterers with soap or detergent, and rinse with potable water before reuse.

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