

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

47371-36

3/6/2008

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MAR - 6 2008

Georgia Anastasiou  
Agent for H&S Chemicals Division c/o Lonza, Inc.  
Lewis & Harrison  
122 C Street, N.W., Suite 740  
Washington, D.C. 20001

SUBJECT: HS-867Q  
EPA Registration Number: 47371-36  
Application Date: November 14, 2007  
Receipt Date: November 15, 2007

Dear Ms. Anastasiou:

The following amendment, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable subject to the conditions listed below:

**Conditions**

1. At your next label amendment, revise pages 5 and 6 to list the ATCC number associated with each of the organisms tested.
2. Qualify the "Outdoor furniture" claim on page 9 to include "except cushions and wood frames".
3. Note that the accepted label only includes 11 pages, not 12.

**CONCURRENCES**

SYMBOL	J510P						
SURNAME	J. Jones						
DATE	3/6/08						

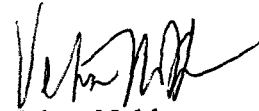
**General Comments**

A stamped copy of the accepted labeling is enclosed. Submit one (1) copy of your final printed labeling before distributing or selling the product bearing the revised labeling.

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

If the above 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 bearing the amended labeling constitutes acceptance of these conditions. 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 (7510P)

Enclosure: Stamped label			CONCURRENCES				
SYMBOL	7510P:T.Lantz:3/3/08:4/371-36						
SURNAME							
DATE							

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# HS-867Q

## One-Step Germicidal Cleaner and Deodorant

DISINFECTANT	PSEUDOMONACIDAL
STAPHYLOCIDAL	SALMONELLACIDAL
BACTERICIDAL	FUNGICIDAL
MILDEWSTATIC	*VIRUCIDAL

FLORAL / CITRUS / FRESH / CLEAN / LEMON / PINE / MINT  
[scent] [fragrance] [odor] [scented]

**Active Ingredients:**

Didecyl dimethyl ammonium chloride .....	0.94%
n-Alkyl (C <sub>14</sub> 50%, C <sub>12</sub> 40%, C <sub>16</sub> 10%)	
dimethyl benzyl ammonium chloride.....	0.62%
Other Ingredients: .....	<u>98.44%</u>
Total	100.00%

## KEEP OUT OF REACH OF CHILDREN

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAR 6 2008

## WARNING [AVISO]

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 47371-36

EPA Reg. No. 47371-36  
EPA Est. No. (as indicated on container)  
Net Contents (as indicated on container)

**H&S CHEMICALS DIVISION**  
c/o Lonza Inc.  
90 Boroline Road  
Allendale, NJ 07401

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

**WARNING.** Causes substantial but temporary eye injury. Harmful if absorbed through the skin. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield or safety glasses.) Remove contaminated clothing and wash before reuse. Avoid contact with skin. Wash thoroughly with soap and water after handling.

**FIRST AID**

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling poison control center or doctor or going for treatment.

*(If container size is 5 gallons or larger, use the following Environmental Hazards statement :)*

**ENVIRONMENTAL HAZARDS**

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.

A multi-purpose, germicidal detergent effective in the presence of a moderate amount of organic soil [5% serum].

[Cleans and] kills 99.9% of germs

Bleach-free

Eliminates tough [floor] dirt and germs

[Deodorizes and] has a clean, fresh scent

Help is on the way

[Heavy Duty] Disinfecting [Multi-Purpose] Cleaner

[Good for] [use on] finished wood surfaces

Disinfects [and / or] cleans and / or- deodorizes in one [labor saving] step.

Multi-purpose –or- Floor cleaner –and/or- disinfectant

No smeary residue

Effective against the following pathogens:

[Bacteria]

Pseudomonas aeruginosa [Pseudomonas]

Staphylococcus aureus [Staph]

Streptococcus pyogenes [Strep]

Enterobacter aerogenes

Enterobacter cloacae

Escherichia coli

Klebsiella pneumoniae

Mycoplasma gallisepticum

Proteus mirabilis

Proteus vulgaris

Salmonella enterica

Serratia marcescens

Shigella flexneri

Shigella sonnei

Staphylococcus aureus phage 80 & 81

Staphylococcus aureus - Methicillin-Resistant [MRSA]

Staphylococcus epidermidis

*[Viruses:]*

- \*Adenovirus Type 3
- \*Herpes simplex Type 1 [Herpes]
- \*HIV-1 [AIDS virus]
- \*Influenza A/Texas [Influenza]
- \*Rubella [German Measles]
- \*Vaccinia [Pox Virus]

*[Fungi:]*

- Aspergillus flavus
- Aspergillus fumigatus
- Aspergillus glaucus var tonophilus
- Candida albicans
- Trichophyton mentagrophytes [Athlete's Foot Fungus]  
[A Cause of ringworm]

*Note to Reviewer: The following list must be placed either before or after the FARM PREMISE, LIVESTOCK, TURKEY AND POULTRY HOUSE DISINFECTANT and the VETERINARY PRACTICE / ANIMAL CARE / ANIMAL LABORATORY / ZOOS / PET SHOP / KENNELS DISINFECTION DIRECTIONS headings:*

*[Animal Viruses:]*

- \*Avian influenza {Influenza A/Victoria/73}
- \*Bovine rhinotracheitis virus
- \*Infectious bronchitis [Avian IBV]
- \*Newcastle disease virus

Use **HS-867Q** in:

Bathrooms	Public facilities
Homes [households]	Public rest rooms
Kitchens	Schools
	Shower and bath areas
Dental offices	Salons [Beauty]
Hospitals	
Medical Offices [Clinics]	Camp grounds
Nursing homes	Play ground equipment
Day care centers	Animal laboratories
Nurseries	Dairy farms
	Farms (Farm premises)
Bars	Hog farms
Cafeterias	Kennels
Convenience stores	Poultry farms
Federally inspected meat and poultry plants,	Pet animal quarters
Food processing plants	Pet shops
Food storage areas	Poultry houses
Institutional kitchens	Turkey farms
Restaurants	Veterinary clinics
[USDA] [Federally] inspected food processing facilities	Zoos
Athletic facilities	Airplanes
Barber shops	Airports
Business and office buildings	Boats
Colleges	Buses
Correctional facilities	Campers
Dressing rooms	Cars
Exercise facilities	Emergency vehicles
Factories	Mobile homes
Hotels	Ships
Institutional facilities	Taxis
Institutions	Trailers
Locker rooms	Trains
	Transportation terminals
Motels	
Prisons	

**(TYPES OF SURFACES:)**

Use HS-867Q on washable hard, nonporous surfaces of:

Appliances, exterior surfaces	Sinks (bathroom, kitchen)
Basins (empty)	Stoves (stovetops)
Bathroom (lavatory) fixtures	Tables, (picnic tables)
Bathtubs	Telephones
Cabinets	Toilets
Cages	Toilet bowls
Chairs	Toilet bowl surfaces
Coils and drain pans of air conditioning and refrigeration equipment and heat pumps	Tubs
Conductive flooring	Tiles, glazed
Counters (countertops)	Urinals
Desks	Walls
Doorknobs	
Floors	Other hard nonporous surfaces made of:
Fiberglass Bathtubs	Glazed ceramic
Fiberglass Sinks	Glazed enameled surfaces
Garbage cans	Glazed porcelain
Highchairs	Metal
Kennel runs	Painted surfaces
Microwave ovens, exterior surfaces	Plastic (such as polystyrene or polypropylene)
Outdoor furniture	Sealed stone
Refrigerators, exterior surfaces	Stainless steel
Refrigerated storage and display equipment	Upholstery, vinyl and plastic
Showers	Woodwork, finished
Shower stalls	



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DILUTION: 1:32      4 oz. per gallon of water [488 ppm Active Quat]

*[If the following Spanish statement is used, it must appear directly above DIRECTIONS FOR USE.]*

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

### DIRECTIONS FOR USE

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

### GENERAL USE DIRECTIONS

**APPLICATION:** For disinfection remove heavy soil deposits from surface. Then thoroughly wet surface with a solution of 4 ounces [1/2 cup] of the concentrate per gallon of water. Apply with a cloth, mop, sponge, or coarse sprayer, or by soaking. For sprayer applications, use a coarse spray device. Spray 6-8 inches from surface, rub with a brush, cloth or sponge. Do not breathe spray. Let solution remain on surface for a minimum of 10 minutes. Rinse or wipe dry with a clean cloth or sponge or allow to air dry.

Rinse all surfaces that come in contact with food such as countertops, exterior surfaces of appliances, tables and stovetops with potable water before reuse. Do not use on utensils, glassware, dishes or appliance interior surfaces as a disinfectant.

Prepare a fresh solution daily or more often if the solution becomes diluted or visibly soiled.

Rinsing of floors is not necessary unless they are to be waxed or polished.

*(Note for reviewer: For labels that list medical premises and metal and / or stainless steel surfaces, one of the following statements must be used:)*

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 preclean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.]

*[or]*

This product is not for use on medical device surfaces.

[Note to reviewer: Alternate Directions for use:]

General Cleaning:

Mix 4 oz (1/2 cup) per gallon of water.

To Disinfect and clean [throughout your home]:

Mix 4 oz (1/2 cup) per gallon of water. Let stand 10 minutes before wiping. For heavily soiled surfaces, a precleaning step is required.

For tough jobs:

Pour directly on sponge or soil. Rinse thoroughly with clean water.

For surfaces that may come in contact with food potable water rinse is required.

**USDA:** Use in federally inspected meat and poultry plants on all hard, nonporous surfaces in inedible product processing areas, non-processing areas, and / or exterior areas.

**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 materials must be removed from the room or carefully protected. All surfaces must be thoroughly rinsed with potable water.

**TOILET BOWLS:** To clean, apply diluted solution around the bowl and up under the rim. Stubborn stains may require brushing.

To disinfect, first preclean to remove the heavy soil, then. [remove or expel over the inner trap the residual bowl water] [empty bowl]. Pour in 3 ounces of the diluted solution. [Swab the bowl completely using a scrub brush or mop] [Brush bowl completely], making sure to get under the rim. Let stand for 10 minutes [or overnight], then flush.

**DISINFECTION OF BARBER / BEAUTY / SALON INSTRUMENTS AND TOOLS:** Tools (such as combs, brushes, razors, scissors, and other shop tools) can be disinfected by immersing in a 4 ounce [1/2 cup] per gallon solution for a contact time of 10 minutes. Prepare a fresh solution daily or more often if the solution becomes diluted or visibly soiled.

**FUNGICIDAL INSTRUCTIONS:** HS-867Q is an effective fungicide against Trichophyton mentagrophytes [the athlete's foot fungus] [a cause of ringworm] in areas such as locker rooms, dressing rooms, shower and bath areas and exercise facilities. Follow disinfection directions.

**MILDEWSTATIC INSTRUCTIONS:** Will effectively control the growth of mold and mildew plus the odors caused by them when applied to hard, nonporous surfaces such as walls, floors, and table tops. Apply solution [4 ounces [1/2 cup] per gallon of water] with a cloth, mop, sponge, or coarse sprayer, making sure to wet all surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application weekly or when growth [reappears].

**\*KILLS HIV-1 (AIDS VIRUS) ON PRECLEANED, ENVIRONMENTAL SURFACES / OBJECTS PREVIOUSLY SOILED WITH BLOOD / BODY FLUIDS** in healthcare 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 1 (HIV1) (associated with AIDS).

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 (AIDS VIRUS) OF SURFACES / OBJECTS SOILED WITH BLOOD / BODY FLUIDS.**

**Personal Protection:** Clean-up should always be done wearing protective gloves, gowns, masks and eye protection.

**Cleaning Procedures:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of HS-867Q.

**Contact Time:** Leave surface wet for 5 minutes [at 25°C] [77°F] [room temperature]. Use a 10-minute contact time for disinfection against all other viruses, fungi, and bacteria claimed.

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

**FARM PREMISE, LIVESTOCK, TURKEY AND POULTRY HOUSE DISINFECTANT:**

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 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, automated feeders, fountains, and waterers with soap and detergent, and rinse with potable water before reuse.

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**VETERINARY PRACTICE / ANIMAL CARE / ANIMAL LABORATORY / ZOOS / PET SHOP  
/ KENNELS DISINFECTION DIRECTIONS:**

For cleaning and disinfecting hard nonporous surfaces: equipment used for feeding or watering animals, utensils, instruments, cages, kennels, stables, catteries. Remove all animals and feeds from premises, animal transportation vehicles, crates, etc. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Empty all feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of 4 oz. of **HS-867Q** per gallon of water [*or equivalent dilution*] for a period of 10 minutes. Wipe or allow to air dry. Immerse all animal handling and restraining equipment as well as forks, shovels, and scrapers used to remove litter and manure. Thoroughly scrub all surfaces that come in contact with food, including equipment used for feeding or watering, with soap or detergent and rinse with potable water before reuse. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

**HEAVY-DUTY CLEANING INSTRUCTIONS:**

Use [2 oz of **HS-867Q** per 24 oz of water] [8 to 12 oz of **HS-867Q** per gallon of water] to clean heavily soiled areas.

*(Note to reviewer: If container is greater than one gallon, the following storage and disposal statements will be used:)*

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:**

Store in original container in areas inaccessible to children.

**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:**

**[Insert statements from below.]**

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

*(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.

*(For Bag-in-Box Containers:)* Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

*(Note to Reviewer: For Nonrefillable Containers.)*

Nonrefillable container

*(Note to reviewer. One of the following statements must be used for Nonrefillable Containers.)*

Do not reuse or refill this container

OR

*(Only if the label does not include household/residential use)*

Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state.

*(Note to reviewer. One of the following statements must be used for Refillable Containers.)*

Refillable Container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

OR

Refillable Container. Refill this container with [this product] only. Do not reuse this container for any other purpose."

*(Note to reviewer: If the container size is one gallon or less, the following storage and disposal statements will be used:)*

### **STORAGE AND DISPOSAL**

Store in original container in areas inaccessible to children. Do not store on side. Avoid creasing or impacting of side walls. Offer for recycling if available or discard in trash.

*(Note to Reviewer: For Nonrefillable Containers.)*

Nonrefillable container

*(Note to reviewer. One of the following statements must be used for Nonrefillable Containers.)*

Do not reuse or refill this container

OR

*(Only if the label does not include household/residential use)*

Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state.

*(Note to reviewer. One of the following statements must be used for Refillable Containers.)*

Refillable Container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

OR

Refillable Container. Refill this container with [this product] only. Do not reuse this container for any other purpose."