

47371-9

9/4/2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

SEP 4 2009

Ms. Joanna Holcombe  
H&S Chemicals Division  
c/o Lonza, Inc.  
90 Boroline Road  
Allendale, NJ 07401

SUBJECT: Formulation HS-128Q  
EPA Registration No.: 47371-9  
Amendment Date: June 11, 2009  
EPA Receipt Date: June 15, 2009

Dear Ms. Holcombe,

The following amendment submitted in connection with registration under FIFRA, as amended, is acceptable with the conditions listed below.

**Proposed Amendment**

Update Container Disposal Statements per PR Notice 2007-4

**Conditions**

Revise the label as follows:

- 1) The Environmental Hazards must be revised to be in agreement with the ADBAC RED by adding the statement, "This pesticide is toxic to fish and aquatic invertebrates."
- 2) Revise the virucidal nomenclature for "Influenza A/73 (Victoria)" and "Vaccinia" on page 2 by stating Influenza A/73 Virus (Victoria) and Vaccinia Virus.
- 3) The last claim in the left column on page 2 must be revised to qualify porcelain as a hard non porous surface by stating "glazed" porcelain.
- 4) Revise the "Fisheries, Milk, Citrus, Ice Cream, and Potato Processing Plant" directions on page 3 by stating "Before use in food processing plant, carefully protect or remove all food products and packaging materials from room."

CONCURRENCES						
SYMBOL	5) Revise the "For Sanitizing" and "Restaurant and Bar Use" directions on page 3 to be in					
SURNAME						
DATE						

agreement with DIS/TSS by stating:

Remove gross filth and soil by preflush, prescrape, or when necessary by a presoak treatment. Thoroughly preclean all surfaces with a good detergent or compatible cleaner, and rinse with potable water prior to sanitizing. Then use, 1 ounce per 3 gallons of water for a minimum contact of 1 minute. Use a mop, sponge, cloth, or coarse sprayer or by immersion. Drain thoroughly. Allow to air dry. Do not rinse. Prepare a fresh solution for each use, then discard.

For sprayer applications, use coarse sprayer. Spray 6-8 inches from surface.

6) Revise the last statement in first paragraph under "Beverage Plants" on page 3 by deleting the term, should, and stating "must" to bring it in compliance with PR Notice 2000-5, Mandatory Labeling.

7) The first statement under "Sanitary Filling" and "Storage Tank Sanitizing" on pages 3 and 4 must be brought into compliance with PR Notice 2000-5, Mandatory Labeling, by deleting the term, recommended. Also, revise the rate to read "175 ppm active quat (1 oz per 3 gallons of water)" and add the statement, "Allow surfaces to remain wet for at least 1 minute."

8) Step 6 under "Sanitizing Eating/Drinking Utensils in Eating Establishments" on page 4 must be brought into compliance with PR Notice 2000-5, Mandatory Labeling, by deleting the term, should, and stating "must."

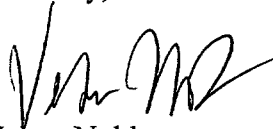
9) The Container Rule rescinded PR Notice 83-3 and 84-1 Part II in which Container Disposal statements are no longer separated by container size but by use pattern. Therefore, delete the "Note to Reviewer" since the product is for commercial/institutional/industrial uses.

**General Comments**

A stamped copy of the label accepted with conditions is enclosed. Submit three (3) copies of your final printed label before distributing or selling the product bearing the revised labeling.

Should you have any questions or comments concerning this letter, please contact Velma Noble at (703) 308-6233.

Sincerely,



Velma Noble  
Product Manager (31)

CONCURRENCES Regulatory Management Branch I

Antimicrobials Division (7510P)

SYMBOL							
SURNAME							
DATE							

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER CORROSIVE:** Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. Wear eye protection (goggles, safety glasses or face shield) and protective gloves (rubber or chemical resistant) when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

**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 the 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 the 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 a Poison Control Center or doctor or going for treatment.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

*(For container sizes of 5 gallons or larger)*

**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.

**FORMULATION HS-128Q**

**DISINFECTS-SANITIZES**

**BACTERICIDAL \*VIRUCIDAL FUNGICIDAL**

Active Ingredients:

n-Alkyl (C<sub>14</sub> 60%, C<sub>16</sub> 30%, C<sub>18</sub> 5%, C<sub>12</sub> 5%)  
dimethyl benzyl ammonium chloride ..... 3.38%

n-Alkyl (C<sub>12</sub> 68%, C<sub>14</sub> 32%)  
dimethyl ethylbenzyl ammonium chloride 3.38%

Other Ingredients:..... 93.24%

Total: .....100.00%

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

See (left) (side) (right) (back) panel for Precautionary Statements and First Aid

EPA Reg. No. 47371-9

EPA Est. No. *(insert EPA Establishment No. here)*

Net Contents *(insert container size here)*

[Country of origin *(insert country)*]

[Manufactured in *(insert country)*]

[Barcode]

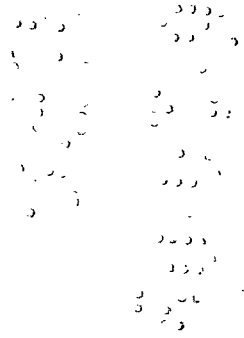
H&S Chemical Division  
c/o Lonza Inc.  
90 Boroline Road  
Allendale, NJ 07401

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

SEP 4 2009

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

473719



4 of 7

An effective, multi-purpose disinfectant, cleaner, Staphylocidal, Pseudomonacidal, Bactericidal, Fungicidal, and \*Virucidal against Herpes virus Type I, Adenovirus Type 3, Influenza A/73 (Victoria), and Vaccinia on pre-cleaned hard nonporous environmental surfaces.

**Bactericidal against:**  
Pseudomonas aeruginosa  
Staphylococcus aureus  
Salmonella enterica  
Aeromonas salmonicida  
Enterobacter aerogenes  
Enterobacter cloacae  
Escherichia. coli  
Klebsiella pneumoniae  
Listeria monocytogenes  
Proteus mirabilis  
Pseudomonas putida  
Shigella sonnei  
Shigella flexneri  
Staphylococcus aureus phage 80 & 81  
Staphylococcus epidermidis  
Streptococcus pyogenes  
Vibrio anguillarum

**Mold & Mildewcidal against:**  
Alternaria tenuis  
Fusarium oxysporum  
Geotrichum candidum  
Penicillium digitatum  
Phytophthora infestans  
Rhizopus nigricans  
Trichoderma harzianum  
Trichophyton mentagrophytes

For use in hospitals, nursing homes, schools & colleges, office buildings, restaurants, bars, commercial and industrial institutions, veterinary clinics, hotels and motels, animal life science laboratories and medical and dental offices.

For use on hard nonporous surfaces such as floors, walls, metal surfaces, porcelain, plastic surfaces, (such as polypropylene, polystyrene).

**DISINFECTANT: 1:128** 1 oz. per gallon of water  
(528 ppm Quat)  
**SANITIZER: 1:384** 1 oz. per 3 gallons of water  
(175 ppm Quat)

**DIRECTIONS FOR USE**

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

**FOR DISINFECTING:** Remove gross filth and heavy soil deposits, then thoroughly wet surfaces with solution of 1 ounce per gallon of water. Apply with a mop, sponge, cloth, coarse sprayer or by soaking. Let solution remain on surface for a minimum contact time of 10 minutes. Wipe dry with a clean cloth or sponge or allow to air dry. The use solution is prepared fresh for each use then discarded. Rinsing is not necessary unless floors are to be waxed or polished.

*(Note to reviewer: Only One of the following two statements will 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 pre-clean 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.

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

**TO CONTROL MOLD AND MILDEW:** To control mold and mildew on hard non-porous surfaces wash visible soil from the surface. Then apply 1 ounce per gallon solution with mop, sponge, cloth or mechanical sprayer so as to wet all surfaces thoroughly. Let air dry. Repeat application every 7 days or more often if growth recurs.

**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 1 oz. of **FORMULATION HS-128Q** per gallon of water (*or equivalent dilution*) for a period of 10 minutes. Wipe or allow to air dry. 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. Rinse all surfaces that come in contact with food, including equipment used for feeding or watering, 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.

**FISHERIES, MILK, CITRUS, ICE CREAM, AND POTATO PROCESSING PLANTS:** Applied routinely as a disinfectant on walls and floors will reduce or eliminate odors in the processing area. Use on filling equipment to reduce or eliminate bacteria associated with condensation on equipment and pipes.

For use as a sanitizer on conveyors and equipment to reduce or eliminate odors in the processing area. Also, for use on filling equipment to reduce bacteria associated with condensation on equipment and pipes.

**FOR SANITIZING:** For use on hard nonporous surfaces such as, counter tops, eating utensils, and drinking glasses. For heavily soiled areas, a pre-cleaning is required. Then use 1 ounce per 3 gallons of water for a minimum contact time of 1 minute in a single application. Can be applied with a mop, sponge, cloth or coarse sprayer or by soaking. The use solution is prepared fresh for each use then discarded. Drain thoroughly. Do not rinse.

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 3 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 1 ounce per 3 gallons of water (175 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, 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.

**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 line of the container washer or rinser in concentration of 175 ppm. A sanitizing solution of 175 ppm active quat should be used in an external application for the filler and closing machine.

**STORAGE TANK SANITIZING:** [redacted] for sanitizing beer fermentation and holding tanks. A solution of 175 ppm quat should be applied manually 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.

*For Wisconsin Use 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 can be recommended).
- 3) Rinse with potable water.
- 4) Sanitize in a solution of 1 fluid ounce per 3 gallons of water (175 ppm quat). Immerse all utensils for at least two minutes or for a contact time specified by governing sanitary code.
- 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 HFS 196, Appendix 7-204.11 of the Wisconsin Administrative Code (reference 40 CFR 180.940(a)).

~~(Note to reviewer: For Nonrefillable Containers, Container is one gallon or less, Label has any uses other than Household or Residential)~~

**STORAGE AND DISPOSAL**

~~Store in original container in areas inaccessible to children.~~

~~Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Fill container 1/4 full with water and reclose the container. Agitate vigorously and dispose of rinsate. Repeat two more times. Wrap [container] and put in trash or offer for recycling if available.~~

(Or)

~~Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Fill container 1/4 full with water and reclose the container. Agitate vigorously and dispose of rinsate. Repeat two more times. Wrap [container] and put in trash or offer for reconditioning if appropriate.~~

*(Note to reviewer: For Nonrefillable Containers, Container is ~~over one~~ gallon)*

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:**

Open dumping is prohibited. 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:**

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying.

**(Plastic Containers:)** Triple rinse as follows: Fill container 1/4 full with water and reclose the container. Agitate vigorously, and dispose of rinsate consistent with pesticide disposal instructions. Repeat two more times. Then offer for recycling if available or puncture and dispose in sanitary landfill or by other procedures approved by state and local authorities. Follow pesticide disposal instructions for rinsate. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.

**(Metal Containers:)** Triple rinse as follows: Fill container 1/4 full with water and reclose the container. Agitate vigorously, and dispose of rinsate consistent with pesticide disposal instructions. Repeat two more times. Then offer for recycling if available or puncture and dispose in sanitary landfill or by other procedures approved by state and local authorities. Follow pesticide disposal instructions for rinsate. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations. DO NOT cut or weld metal containers.

**(For Bag in Box Containers:)** Completely empty bag into application equipment. Then offer for recycling if available or dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.