

47371-180

04-03-2009

1/20



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

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

APR 3 2009

Joanna Holcombe
Sr. Commercial Regulatory Affairs Associate
H&S Chemicals Division c/o Lonza Inc.
90 Boroliné Road
Allendale, NJ 07401

Subject: HS-1210 Disinfectant/Sanitizer (14.08%)
EPA Reg. No: 47371-180
Application Dated: Feb 26, 2009
Receipt Date: March 04, 2009

Dear Joanna Holcombe

This letter acknowledges receipt of your notification submitted under the provisions of PR Notice 98-10 and the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) section 3(C) 9.

Minor Label Changes to include new use dilutions and updating sanitizing directions
Updating Storage and Disposal (non refillable containers)

General Comments

Based on a review of the material submitted, your notification to revise the label as listed above is acceptable. A copy has been placed in our records for future reference.

Should you have any questions or comments concerning this letter, please contact Velma Noble at (703) 308-6233 or Jacqueline McFarlane at (703) 308-6416.

Sincerely,

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

SYMBOL							
URNAME							
DATE							

EPA United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
--	--	-----------------------

Application for Pesticide - Section I

1. Company/Product Number 47371-180	2. EPA Product Manager Velma Noble	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) HS-1210 Disinfectant/Sanitizer (14.08%)	PM# 31	
5. Name and Address of Applicant (Include ZIP Code) H&S Chemicals Division c/o Lonza Inc. 90 Boroline Road Allendale, NJ 07401	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(I), my product is similar or identical in composition and labeling to: EPA Reg. No. Product Name	
<input type="checkbox"/> Check if this is a new address		

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below

Explanation: Use additional page(s) if necessary. (For Section I and Section II.)

Notification to add optional bilingual labeling, to include a new use dilution, to update Wisconsin sanitizing directions, and to remove refillable container language per PR Notice 98-10.

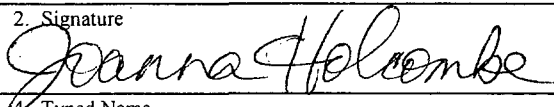
This notification is consistent with the provisions of PR-Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Joanna Holcombe

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No <i>*Certification must be submitted</i>	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Unit Packaging wgt. No. per container	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Package wgt. No. per container		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify)	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Other _____ <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled					

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)		
Name Joanna Holcombe	Title Sr. Commercial Regulatory Affairs Associate	Telephone No. (Include Area Code) 201-316-9297
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Sr. Commercial Regulatory Affairs Associate	
4. Typed Name Joanna Holcombe	5. Date February 26, 2009	

Via FedEx

Ms. Velma Noble, PM-31
Document Processing Desk (AMEND)
Office of Pesticide Programs (7504P)
US Environmental Protection Agency
Room S-4900, One Potomac Yard
2227 S. Crystal Drive
Arlington, VA 22202

Lonza Inc
Allendale
90 Boroline Road
Allendale, NJ 07401, USA

Joanna Holcombe
Lonza Life Science Ingredients
Commercial Regulatory Services

Tel 201-316-9297
Fax 201-696-3470
joanna.holcombe@lonza.com

Joanna Holcombe
February 26, 2009

**SUBJECT: Formulation HS-1210 Disinfectant/Sanitizer (14.08%), EPA Reg. No. 47371-180
Application for Label Notification**

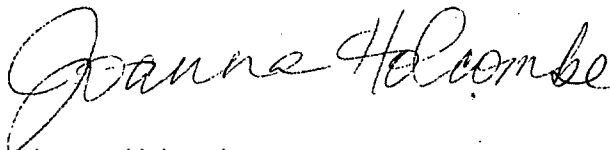
Dear Ms Noble:

Please find enclosed the following documents in support of a label notification to add optional bilingual labeling, to include ppm level with appropriate list of organisms in the marketing language, to include a new use dilution, to update Wisconsin sanitizing directions, and to remove refillable container language for the above referenced product:

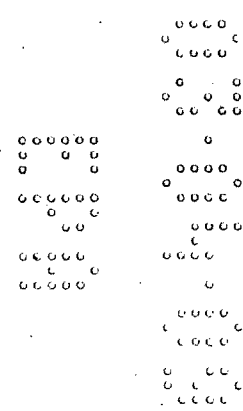
- Application for Notification;
- One copy of the label with changes highlighted; and
- Two copies of the label

If you have any questions or need any additional information, please feel free to contact me at 201-316-9297.

Sincerely,
Lonza Inc.



Joanna Holcombe
Sr. Commercial Regulatory Services Associate



FORMULATION HS-1210 DISINFECTANT / SANITIZER (14.08%)

ONE-STEP DISINFECTANT

SANITIZER – GERMICIDE – DEODORANT

Salmonellacidal – Bactericidal – Pseudomonacidal – Staphylocidal – Fungicidal - *Virucidal

Active Ingredients:

Didecyl dimethyl ammonium chloride	8.448%
n-Alkyl (C ₁₄ 50%, C ₁₂ 40%, C ₁₆ 10%) dimethyl benzyl ammonium chloride	5.632%
Inert (Other) Ingredients:	85.920%
Total.....	100.000%

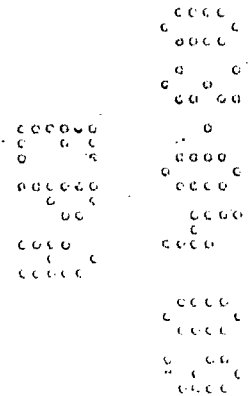
KEEP OUT OF REACH OF CHILDREN

DANGER [PELIGRO]

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

EPA Reg. No.47371-180
 EPA Est. No. (as indicated on container)
 Net Contents: (as indicated on container)
 [Country of origin (insert country)]
 [Manufactured in (insert country)]
 [Barcode]

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



5
20

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Corrosive. Causes irreversible eye damage and skin burns. May be fatal if absorbed through skin. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles, face shield or safety glasses), protective clothing and rubber gloves. May be fatal if swallowed. 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. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply in marine and/or estuarine oil fields.

(Note to reviewer: If container size is 5 gallons or greater, the following Environmental Hazards statements will be added:)

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.

PHYSICAL/CHEMICAL HAZARDS

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

6
20

(Note to reviewer: The following is considered optional marketing language:)

A concentrated, multi-purpose germicide and deodorant effective in 5% organic serum (according to the AOAC Use-dilution Test).

Disinfects and deodorizes hard nonporous surfaces in one labor saving step.

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

Use on hard, nonporous surfaces such as floors, walls, lavatory fixtures, showers, machinery and equipment, garbage cans, metal, stainless steel, glazed porcelain, painted and plastic surfaces.

- (Kills) (Eliminates) (Removes) (Destroys) 99.9% of bacteria
- (Kills) (Eliminates) (Removes) (Destroys) 99.9% of bacteria, leaves (leaving) surfaces (clean and) disinfected
- (Kills) (Eliminates) (Removes) (Destroys) [Insert pathogen or pathogens other than avian influenza A from lists on pages 12-13] (on (pre-cleaned) environmental surfaces)
- Kills germs

[Note to reviewer: Only when 550 ppm dilution is required]

- (Kills) (Eliminates) (Removes) (Destroys) avian influenza A (H5N1) on pre-cleaned environmental surfaces

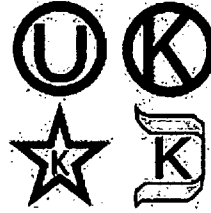
(Note to reviewer. The following may be used only if the supplemental registrant has obtained an NSF listing. Allowed on back or side panel only.)



(NSF Listed)

(Insert NSF 6-Digit Listing Number here)

(Note to reviewer. The following may be used only if the supplemental registrant has obtained a Kosher Certification.)



(Any Kosher Symbol such as:)

(Kosher)

Bactericidal against *Pseudomonas aeruginosa*, *Staphylococcus aureus*, and *Salmonella enterica* according to AOAC Use-Dilution Test method, modified in the presence of 5% organic serum. (See reference sheet for complete list of pathogenic organisms).

[Note to reviewer: For use only when sanitizer dilution is 150 ppm or higher]

Formulation HS-1210 Disinfectant / Sanitizer (14.08%) is effective at 150 ppm active quat according to the AOAC Germicidal & Detergent Sanitizer Test modified in the presence of 800 ppm water hardness (calculated as CaCO_3) against:

Escherichia coli (E. coli)
Staphylococcus aureus

[Note to reviewer: For use only when sanitizer dilution is 150 ppm or higher]

Formulation HS-1210 Disinfectant / Sanitizer (14.08%) is effective at 150 ppm active quat according to the AOAC Germicidal & Detergent Sanitizer Test modified in the presence of 500 ppm water hardness (calculated as CaCO_3) against:

Escherichia coli (E. coli)
Staphylococcus aureus

[Note to reviewer: For use only when sanitizer dilution is 200 ppm or higher]

Formulation HS-1210 Disinfectant / Sanitizer (14.08%) is effective at 200 ppm active quat according to the AOAC Germicidal & Detergent Sanitizer Test modified in the presence of 500 ppm water hardness (calculated as CaCO_3) against:

Campylobacter jejuni
Escherichia coli (E. coli)
Escherichia coli 0157:H7 (pathogenic E. coli)
Listeria monocytogenes
Salmonella enterica
Shigella sonnei
Staphylococcus aureus
Vibrio Cholerae
Yersinia enterocolitica

(PELIGRO: 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.

DISINFECTANT 1:256.....	1/2 oz. per gallon of water
.....	(550 ppm)
SANITIZER 1:938.....	2 oz. per 14 1/2 gallons of water
.....	(150 ppm)
SANITIZER 1:704.....	2 oz. per 11 gallons of water
.....	(200 ppm)
SANITIZER 1:352.....	2 oz. per 5 1/2 gallons of water
.....	(400 ppm)

DISINFECTION / DEODORIZING DIRECTIONS:

If surfaces are visibly dirty, preclean prior to disinfection / deodorizing activity.

Prepare a solution of 1/2 ounce of product per gallon of water. Apply use-solution with a cloth, sponge, mop, coarse trigger sprayer, or by soaking to thoroughly wet all surfaces. For sprayer applications, use a coarse spray device. Spray 6 – 8 inches from the surface, rub with a brush, cloth or sponge. Do not breathe spray. Let solution remain on the 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. Food contact surfaces must be thoroughly rinsed with potable water.

(Note to reviewer: For labels that list medical premises and / or 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. *[optional: 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 to be used on medical device surfaces.

4
20

VIRUCIDAL DIRECTIONS*:

Virucidal against *Bovine rhinotracheitis, *Avian Infectious Bronchitis virus, *Avian Influenza (Virus) (H5N1), and *Newcastle Disease virus, *Marek's Disease Virus and *Infectious Bronchitis Virus – Arkansas strain (IBV) according to the virucidal qualification, modified in the presence of 5% organic serum at a 1:256 dilution. Follow Disinfection Directions.

FUNGICIDAL DIRECTIONS:

Fungicidal against Trichophyton mentagrophytes and Candida albicans according to the AOAC fungicidal test, modified in the presence of 5% organic serum at a 1:256 dilution. For fungicidal activity, use in areas such as locker rooms, dressing rooms, shower and bath areas, and exercise facilities. Follow Disinfection Directions.

MOLD AND MILDEW CONTROL DIRECTIONS: To control mold and mildew on hard, nonporous surfaces wash visible soil from the surface. Then apply a use-solution of ½ fluid oz. per gallon of water with a mop, sponge, cloth, or coarse trigger sprayer so as to wet all surfaces thoroughly. Let air dry. Repeat application every 7 days to control recurrence of growth.

FISHERY, MILK, CITRUS, ICE CREAM & POTATO PROCESSING PLANTS DISINFECTION DIRECTIONS: 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 odors in the processing area and odor causing bacteria associated with condensation on equipment and pipes. Follow Disinfection Directions.

FOR SANITIZING FOOD CONTACT SURFACES:

For use on precleaned, hard, nonporous food contact surfaces including plastic and other hard nonporous cutting boards and chopping blocks, counter tops, tables, food preparation surfaces, cooking and eating utensils, and drinking glasses. For heavily soiled areas, remove gross food particles by preflush, prescrape and presoak when necessary. Wash thoroughly with detergent or compatible cleaner, then rinse with potable water prior to application of sanitizing solution.

[Note to reviewer: Only one dilution from this table may be used in the paragraphs below]

For Food Contact Surfaces, Food Processing Equipment and Utensils in Dairies and Public Eating Establishments and Food Contact Surfaces, Food Processing Equipment and Utensils in Food Processing Plants (40 CFR 180.940 (a)):

- 2 oz. per 14 1/2 gallons of water (150 ppm quat) (or equivalent dilution)
- 2 oz. per 11 - 14 1/2 gallons of water (150 - 200 ppm quat) (or equivalent dilution)
- 2 oz. per 11 gallons of water (200 ppm quat) (or equivalent dilution)
- 2 oz. per 5 1/2 gallons of water (400 ppm quat) (or equivalent dilution)
- 2 oz. per 5 1/2 - 14 1/2 gallons of water (150 - 400 ppm quat) (or equivalent dilution)
- 2 oz. per 5 1/2 - 11 gallons of water (200 - 400 ppm quat) (or equivalent dilution)

Use *[insert dilution from table here]* for a minimum contact time of 1 minute in a single application. *(Alternate language for closed loop dilution center:)* Then use product from the Closed Loop Dilution Center (*[insert concentration from table here]*) for a minimum contact time of 1 minute in a single application.

Apply with a cloth, sponge, mop, coarse trigger sprayer, or by soaking. Eating utensils and drinking glasses must be sanitized by immersion. Thoroughly wet all surfaces. Drain thoroughly and air dry. Do not rinse.

Fresh sanitizing solution must be prepared at least daily or more often if the use solution becomes diluted. For mechanical applications, use solution may not be reused for sanitizing applications but may be reused for other purposes such as cleaning.

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.

RESTAURANT AND BAR USE:

For use as a sanitizer on dishes, glassware, silverware, eating and cooking utensils. For heavily soiled areas, remove gross food particles by preflush, prescrape and presoak when necessary. Wash thoroughly with detergent or compatible cleaner, then rinse with potable water prior to application of this product. Then immerse in a solution of *[insert dilution from table here]* for at least 1 minute. Drain thoroughly and air dry. Do not rinse.

(Alternate language for closed loop dilution system:)

RESTAURANT AND BAR USE:

For use as a sanitizer on dishes, glassware, silverware, eating and cooking utensils. For heavily soiled areas, remove gross food particles by preflush, prescrape and presoak when necessary. Wash thoroughly with detergent or compatible cleaner, then rinse with potable water prior to application of this product. Then immerse in a sanitizing solution from Closed Loop Dilution Center (*[insert concentration*

Formulation HS-1210 (14.08%) (Note to reviewer: Language in () or [] is optional or interchangeable)

EPA Reg. No. 47371-180

EPA Draft 2-25-09

from table here) for at least 1 minute. Drain thoroughly and air dry. Do not rinse.

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.
- 3) Rinse with potable water.
- 4) Sanitize in a solution of 2 fluid ounces per 11 – 14½ gallons of water (150 – 200 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) Prepare a fresh sanitizing solution 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).

(Alternate language for closed loop dilution center:)

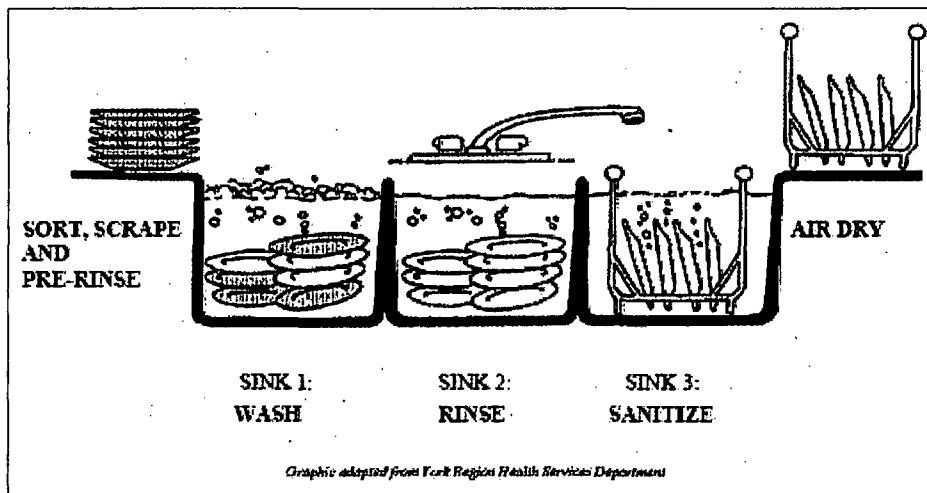
FOR WISCONSIN ONLY

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.
- 3) Rinse with potable water.
- 4) Sanitize in a solution from the Closed Loop Dilution Center (2 fluid ounces per 11 - 14 1/2 gallons of water (150 – 200 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 must 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).

(Note to reviewer: The following graphic or a graphic of similar content may accompany any of the above food contact sanitization sections)



BEVERAGE PLANTS: For sanitizing of bottling or pre-mix dispensing equipment. After cleaning, thoroughly rinse equipment with cold or lukewarm water. Fill equipment with a solution of *[insert dilution from table here]*. Allow the solution to remain in contact with equipment for at least 1 minute or until operations resume at which time the sanitizing solution must 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. Do not rinse.

SANITARY FILLING: 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 *([insert concentration from table here])* ppm active quat. Use a sanitizing solution of *([insert concentration from table here])* ppm active quat in an external application for the filler and closing machine. Do not rinse.

STORAGE TANK SANITIZING: For sanitizing beer fermentation and holding tanks. A solution of *([insert concentration from table here])* active quat is to be applied manually or used in combination with automated cleaning systems. Follow directions for sanitizing food contact surfaces. 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 SANITIZING IN FISHERIES, MILK, CITRUS, POTATO & ICE CREAM PROCESSING PLANTS: 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 odor causing bacteria associated with condensation on equipment and pipes. Follow directions for sanitizing food contact surfaces.

["SPECIAL INSTRUCTIONS FOR INACTIVATING AVIAN INFLUENZA A" AND OTHER ANIMAL VIRUSES LISTED ON THIS LABEL]

[VETERINARY], [ANIMAL CARE] and [ANIMAL LABORATORY] FACILITIES/ [ZOOS] / [PET SHOPS] / [KENNELS] / [BREEDING AND GROOMING ESTABLISHMENT] / [TACK SHOP] [AND] [FARM PREMISE] DISINFECTION / [VIRUCIDAL] DIRECTIONS:

For cleaning and disinfecting hard nonporous surfaces: equipment used for feeding or watering animals, utensils, instruments, cages, kennels, stables, catteries pens, stalls and etc. Remove all animals and feeds from premises, animal transportation vehicles, crates, pens, stalls and 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 1/2 oz. 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 treated surfaces, then rinse all surfaces that come in contact with food, including equipment used for feeding or watering, with potable water before reuse. Ventilate buildings, animal enclosures, [vehicles] and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

POULTRY & TURKEY HOUSE DISINFECTANT DIRECTIONS:

Dilution: 1:256 ½ ounce per gallon of water

1. Remove all poultry and feeds from premises, trucks, coops, and crates.
2. Remove all litter and droppings from floors, walls and surfaces of facilities occupied or traversed by poultry.
3. Empty all troughs, racks, and other feeding and water appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. Saturate surfaces with 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.

FARM PREMISE DISINFECTANT DIRECTIONS:

For use in Equine, Dairy and Hog farms

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 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.

VETERINARY CLINICS / ANIMAL CARE / ANIMAL LIFE SCIENCE LABORATORY / PET SHOP / ZOO / KENNELS / BREEDING AND GROOMING ESTABLISHMENT / TACK SHOP DISINFECTION DIRECTIONS:

For cleaning and disinfecting the following hard nonporous surfaces: equipment, utensils, instruments, cages, kennels, stables, catteries, etc. Remove all animals and feeds from premises, animal transportation vehicles, crates. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of ½ oz. of product per gallon of water (or equivalent dilution) for a period of 10 minutes. 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. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, automatic feeders, waterers and other equipment that dispenses food or water with soap or detergent and rinse with potable water before reuse.

CITRUS CANKER DISEASE CONTROL

For prevention of Citrus Canker Disease through treatment of equipment. Effective against *Xanthomonas axonopodis* pv. *citri* (Citrus Canker Disease) at 2000 ppm active quat. Apply treatments to trucks, attached trailers, and field equipment including cargo area, wheels, tires, undercarriage, hood, roof, fenders, and any other hard nonporous equipment taken into infested areas.

Saturate surfaces with a 1:70 use-dilution (2¾ oz. per 1½ gallons of water) (or equivalent dilution) (2000 ppm active quat) for a period of 10 minutes. Allow to air dry. All surfaces that come in contact with food or crop must be rinsed with potable water before reuse. To prevent the spread of Citrus Canker Disease by this artificial means of transportation, treatments are made by trigger spraying, dipping or brushing. Thoroughly rinse or launder clothing before reuse. Rinse footwear before reuse.

(REFERENCE SHEET FOR COMPLETE LIST OF PATHOGENIC ORGANISMS)

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 enterica

Aeromonas salmonicida
Campylobacter jejuni
Enterobacter aerogenes
Escherichia coli
Klebsiella pneumoniae
Listeria monocytogenes
Mycoplasma gallisepticum
Proteus mirabilis
Pseudomonas putida
Salmonella typhi
Serratia marcescens
Shigella flexneri
Staphylococcus aureus phage 80
Staphylococcus aureus phage 81
Streptococcus pyogenes
Vibrio anguillarum

FUNGICIDAL & MILDEWCIDAL AGAINST:

Effective against the following according to the AOAC Use-Dilution Test, modified in the presence of 5% organic serum.

Alternaria tenuis
Aspergillus glaucus
Candida albicans
Fusarium oxysporum
Geotrichum candidum
Penicillium digitatum
Phytophthora infestans
Rhizopus nigricans (stolonifer)
Trichoderma harzianum
Trichophyton mentagrophytes

(REFERENCE SHEET FOR COMPLETE LIST OF PATHOGENIC ORGANISMS)

VIRUCIDAL AGAINST*:

Effective against the following according to the virucidal qualifications modified in the presence of 5% organic serum.

Avian Infectious Bronchitis virus

Avian Influenza (Virus) (H5N1)

Bovine rhinotracheitis virus

Newcastle virus

Marek's Disease Virus

Infectious Bronchitis Virus, Arkansas strain (IBV)

(Note to reviewer: For Nonrefillable Containers, Container is one gallon or less, Label has Household and Residential Uses only.)

STORAGE AND DISPOSAL

Store in original container in areas inaccessible to children. Do not store on side. Avoid creasing or impacting of side walls.

Nonrefillable container. Do not reuse or refill this container. Wrap [container] and put in trash or offer for recycling if available.

(or)

Nonrefillable container. Do not reuse or refill this container. Wrap [container] and put in trash or offer for reconditioning if appropriate.

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

STORAGE AND DISPOSAL

Store in original container in areas inaccessible to children. Do not store on side. Avoid creasing or impacting of side walls.

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Fill container ¼ 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 ¼ 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:

Do not store on side. Avoid creasing or impacting of side walls. Store in areas inaccessible to children or persons unfamiliar with its use

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:)** Then offer for recycling if available or puncture and dispose in sanitary landfill or by other procedures approved by state and local authorities. 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. If not tripled rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.

(Metal Containers:) Then offer for recycling if available or puncture and dispose in sanitary landfill or by other procedures approved by state and local authorities. 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. If not tripled 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:) 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.

(For Bag-in-Box Containers:)

For Bag – In – Box Containers:

How to use this package:

This package is designed to be used with dilution control systems only. Open package and connect to dispense according to directions on box top.

Trigger Sprayers:

Fill bottle from dispenser.

Apply to surfaces as specified in directions above.

Mop Buckets:

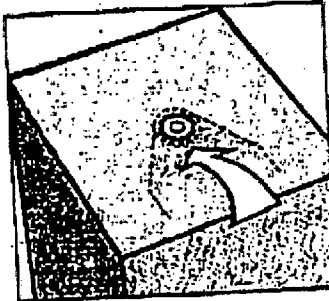
Fill bucket from dispenser.

Set up "Wet Floor" signs.

Mop floor surface as specified in directions above

OPENING INSTRUCTIONS

1. Position box with perforation up.
2. Press in circle.
3. Lift flap over along perforation.
4. Retrieve fitting on bag.
5. Remove clear dust-cap from bag fitting.
6. Twist dispenser connector onto bag fitting.
7. Place bag-in-box into position on dispenser shelf.
8. Close dispenser (if applicable).



INSTRUCCIONES PARA ABRIR

1. Ponga la caja con la perforación hacia arriba.
2. Empuje el círculo hacia adentro.
3. Levante la pestana arrancandola de la caja a lo largo de la perforación.
4. Saque el adaptador que está en la bolsa.
5. Quite la tapa transparente contra el polvo que tiene el adaptador de la bolsa.
6. Enrosque el conector dispensador al adaptador.
7. Ponga la "bag-in-box" (bolsa en caja) en posición en el mostrador de despacho.
8. Cierre el dispensador (si corresponde).