

1677-198

06/26/2012

1/13

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUN 26 2012

Ms Rhonda Schulz
Director Product Registration & Compliance
Ecolab Inc
370 N Wasbasha Street
St Paul MN 55102

Subject Multi Quat
EPA Registration Number 1677 198
Notification Application Dated June 5 2012
EPA Received Date June 7 2012

Dear Ms Schulz

This will knowledge receipt of your notification submitted under the provisions of FIFRA section 3c 9 Based on a review of the submitted material the following comment apply

Proposed Amendment

Add optional marketing language and graphic

General Comments

Based on a review of the material submitted the following comment apply

The notification is acceptable A copy has been inserted in your file for future reference

Should you have any questions or comments concerning this letter please contact Drusilla Copeland at (703) 308 6224

Sincerely



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

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

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

Application for Pesticide Section I

1 Company/Product Number <p style="text-align: center;">1677 198</p>	2 EPA Product Manager <p style="text-align: center;">Velma Noble</p>	3 Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4 Company/Product (Name) <p style="text-align: center;">Multi Quat</p>	PM# <p style="text-align: center;">31</p>	
5 Name and Address of Applicant (Include ZIP Code) Ecolab Inc 370 N Wabasha Street St Paul MN 55102 <input type="checkbox"/> Check if this is a new address		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 _____

Section - II

<input type="checkbox"/> Amendment - Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated 11/8/10
<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 per PRN 98 10 to add optional marketing language and graphic to EPA Reg No 1677 198 All additions have been highlighted in red

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 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

Section - III

1 Material This Product Will Be Packaged In			
Child Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes No per Unit Packaging wgt Container	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes No Per Unit Package wgt Container	2 Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted			
3 Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container	4 Size(s) Retail Container <p style="text-align: center;">32 oz 1 gal 2 5 gal 5 gal 55 gal 300 gal</p>	5 Location of Label Directions <input checked="" 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 checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other _____			

Section IV

1 Contact Point (Complete items directly below for identification of individual to be contacted if necessary to process this application)		
Name <p style="text-align: center;">Rhonda Schulz</p>	Title <p style="text-align: center;">Director Product Registration & Compliance</p>	Telephone No (Include Area Code) (65) 493 4026
Certification I certify that the statements which I have made on this form and all attachments 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 <p style="text-align: center;">Director Product Registration & Compliance</p>	
3 Typed Name <p style="text-align: center;">Rhonda Schulz</p>	4 Date <p style="text-align: center;">5 June 2012</p>	



3/13

Rhonda Schulz
DIRECTOR – PRODUCT
REGISTRATION & COMPLAINTS

T 651 293 4026
F 651 225 3122

370 WABASHA STREET NORTH
EUC 9
ST PAUL MN 55102 1390
Rhonda.Schulz@ecolab.com

June 5 2012

Document Processing Desk (E SUB)
Office of Pesticide Programs (7504P)
U S Environmental Protection Agency
Room S 4900 One Potomac Yard
2777 S Crystal Drive
Arlington VA 22202

ATTN Velma Noble PM 31

Re Multi Quat EPA Reg No 1677 198

Dear Ms Noble

This notification is pursuant to PRN 98 10 and serves as a request to add optional marketing language and graphic All additions and corrections have been highlighted in red

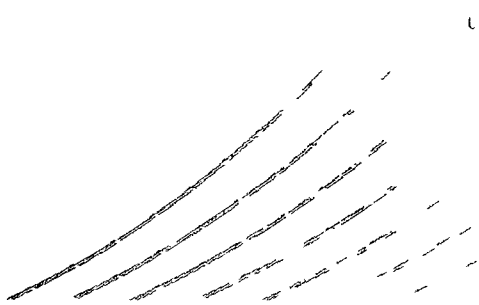
The following document is enclosed to support this notification

EPA Form 8570 1 Notification Form
Label

If you have any questions please do not hesitate to contact me directly at the above listed number or email address

Sincerely

Rhonda Schulz
Director – Product Registration & Compliance



Multi-Quat

(Disinfectant Sanitizer – Deodorizer One Step Cleaner/Disinfectant)
(For Industrial and Commercial Use)

(Schools Restaurants -Food Services Dairies Beverage and Food Processing
Plants – Farm Premises - Poultry Premises Poultry Hatcheries – Animal Housing
Facilities)

ACTIVE INGREDIENTS

Alkyl (C ₁₄ 50% C ₁₂ 40% C ₁₆ 10%)	
Dimethyl benzyl ammonium chloride	3 00%
Octyl decyl dimethyl ammonium chloride	2 25%
Didecyl dimethyl ammonium chloride	1 35%
Dioctyl dimethyl ammonium chloride	0 90%

OTHER INGREDIENTS

92 50%

TOTAL

100 00%

KEEP OUT OF REACH OF CHILDREN
DANGER

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 protective eyewear (goggles face shield or safety glasses) protective clothing and rubber gloves Harmful if swallowed Wash thoroughly with soap and water after handling and before eating drinking chewing gum using tobacco or using the toilet Remove and wash contaminated 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 Call a poison control center or doctor for treatment advice

IF ON SKIN OR CLOTHING Take off contaminated clothing Rinse skin immediately with plenty of water for 15 20 minutes Call a poison control center or doctor for treatment advice

IF SWALLOWED Call a poison control center or doctor for treatment advice Have a 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

FOR EMERGENCY MEDICAL INFORMATION CALL TOLL FREE 1 800 328 0026

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

ENVIRONMENTAL HAZARDS (5 gallons or greater)

This pesticide is toxic to fish and aquatic invertebrates 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

NOTIFICATION

Date Reviewed 6/21/12
Reviewed By ec

DIRECTIONS FOR USE

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

Apply *Multi Quat* with a cloth mop or mechanical spray device. When applied with a mechanical spray device, surface must be sprayed until thoroughly wetted. For sprayer applications, use a coarse spray device. Spray 6-8 inches from surface, rub with brush, sponge or cloth. Do not breathe spray. Fresh solution must be prepared daily or when the use solution becomes visibly dirty.

GENERAL DISINFECTION/VIRUCIDAL /FUNGICIDAL DIRECTIONS

At 1 oz per 1 gallon of water, this product is an effective general disinfectant that can be used to disinfect floors, walls, finished woodwork, sink tops, garbage pails, telephones, rest rooms, bathroom fixtures, and other hard, nonporous surfaces. For heavily soiled areas, a pre-cleaning step is required. Apply disinfecting solution to surface by flushing, mopping, sponging or hand pump spraying so as to thoroughly wet surface. Allow surface to remain wet for 10 minutes. Remove solution with a clean mop, cloth, or wet vacuum pickup or allow to air dry. Prepare fresh solution at least daily or when use becomes visibly dirty. Any food contact surfaces that have been disinfected must be thoroughly rinsed with potable water. Do not use this product as a disinfectant on glasses, dishes, or utensils.

(Note to reviewer: The following are options for presenting the organism information on the label in the General Disinfection/Virucidal /Fungicidal Directions section of the label)

Multi Quat is a disinfectant at 1:128 dilution (1 oz per gallon of water). *Multi Quat* is bactericidal according to the current AOAC Disinfectant Use Dilution Method in the presence of 5% organic soil against

(or)

Multi Quat kills

(Bacteria)

Staphylococcus aureus (ATCC 6538)

Salmonella enterica (ATCC 10708)

Campylobacter jejuni (ATCC 33291)

Escherichia coli O157:H7 (ATCC 35150)

Listeria monocytogenes (ATCC 19117)

Salmonella typhi (ATCC 6539)

Brevibacterium ammoniagenes (ATCC 6871)

Escherichia coli (ATCC 11229)

Klebsiella pneumoniae (ATCC 4352)

Pseudomonas cepacia (ATCC 25609)

Yersinia enterocolitica (ATCC 23715)

Multi Quat is virucidal at 1:128 dilution (1 oz per gallon of water) in the presence of 5% organic soil against

Herpes Simplex Type 1 Virus (ATCC VR 735)

Avian Influenza Virus (VNH5N1 PR8)

Marek's Disease Virus

Vaccinia Virus (ATCC VR 156)

Herpes Simplex Type 2 Virus (ATCC VR 734)

Canine Distemper Virus (ATCC VR 2006)

Newcastle's Disease Virus (ATCC VR 109)

(or)

Multi Quat is effective against Avian Influenza Virus, Canine Distemper Virus, Marek's Disease Virus, Newcastle's Disease Virus, Herpes Simplex Type 1 Virus, Herpes Simplex Type 2 Virus, Vaccinia Virus

(Fungi)

Multi Quat is effective against *Trichophyton mentagrophytes* (Athlete's Foot Fungus) (ATCC 9533)

Before use in federally inspected meat and poultry food processing plants and dairies, food products and packaging materials must be removed from the room or carefully protected.

(Note to Reviewer: Language in () is considered optional or interchangeable.)

NON ACID TOILET BOWL DISINFECTANT / CLEANER DIRECTIONS

Remove gross filth prior to disinfection

From Concentrate

Add ½ oz to the bowl and mix Brush over exposed surfaces and under the rim allow to stand for 10 minutes and flush

From Use Solution

Empty toilet bowl or urinal and apply 1oz per gallon use solution to exposed surfaces and under the rim with a cloth mop sponge or mechanical spray Brush or swab thoroughly Let stand for 10 minutes and flush

For Heavy Duty Use

Empty toilet bowl or urinal and apply 4 oz per gallon use solution to exposed surfaces including under the rim with a cloth mop sponge or sprayer Brush or swab thoroughly Let stand for 10 minutes and flush

SALON (BARBER) INSTRUMENTS AND TOOLS DISINFECTION (BACTERICIDE) / VIRUCIDE* / FUNGICIDE DIRECTIONS

Mix 1 oz of *Multi Quat* per 1 gallon of water (or equivalent dilution) to disinfect hard nonporous instruments and tools Completely immerse combs brushes rollers razors scissors blades manicure and other salon instruments and tools for 10 minutes For heavily soiled instruments and tools a preliminary cleaning is required Rinse thoroughly and dry before use Prepare a fresh solution daily or more often if the solution becomes visibly diluted cloudy or soiled

Note Plastics may remain immersed until ready to use Stainless steel shears and instruments must be removed after 10 minutes rinsed dried and kept in a clean non contaminated receptacle Prolonged soaking may cause damage to metal instruments

ULTRASONIC BATH DISINFECTANT DIRECTIONS

Use *Multi Quat* to disinfect hard nonporous objects compatible with Ultrasonic cleaning units Pour fresh use solution of 1 oz of *Multi Quat* per 1 gallon of water (or equivalent dilution) directly into bath chamber Preclean soiled objects Place objects into unit and operate for a minimum of 10 minutes according to manufacturer's use directions Remove objects and rinse with sterile water (sterile water for injection) or allow to air dry Prepare a fresh solution for each use

WHIRLPOOL BATH DISINFECTION DIRECTIONS

After using whirlpool unit drain and fill with a use solution of 1 oz of *Multi Quat* per 1 gallon of water to just cover the intake valve Start the pump to circulate the solution Wash down the unit sides seat of the chair lift and any related equipment with a clean swab brush or sponge Treated surfaces must remain wet for 10 minutes After the unit has been thoroughly disinfected drain the solution from the unit and rinse disinfected surfaces with fresh water Repeat for heavily soiled units

POULTRY AND SWINE PREMISE DISINFECTION

- 1 Remove all poultry and feeds from premises vehicles and enclosures such as coops and crates
- 2 Remove all litter droppings 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 a detergent and rinse with water
- 5 Saturate surfaces with 4 0 oz per 4 gallons of water *Multi Quat* 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 trucks coops and other closed spaces Do not house poultry or employ equipment until treatment has been absorbed set or dried
- 8 Thoroughly scrub treated feed racks troughs automatic feeders fountains and waterers with a detergent and rinse with potable water before reuse

See your Ecolab representative for specific recommendations for all cleaning and rinsing requirements

POULTRY HATCHERY DISINFECTION

Use to treat hatchers setters trays racks carts sexing tables delivery trucks and other hard non porous surfaces Clean out any remaining eggs and chicks Remove gross soils such as litter down shell fragments or other hatching related debris Empty all racks and other equipment Thoroughly wash all

surfaces including floors walls conveyors trays and water systems with a detergent Rinse thoroughly with water Apply 4.0 oz per 4 gallons of water solution of *Multi Quat* with a mop cloth brush or coarse spray Apply to hatcher setters trays racks sexing tables delivery trucks and other hard surfaces Wet surfaces and allow to remain wet for 10 minutes Ventilate buildings and other closed spaces Allow to dry before reintroducing eggs

(VETERINARY PRACTICE / ANIMAL CARE / ANIMAL LABORATORY / ZOOS / PET SHOP / KENNELS DISINFECTION DIRECTIONS)

For cleaning and disinfecting hard nonporous surfaces of equipment used for animal food or water utensils instruments cages crates kennels stables and catteries

OR

(FARM PREMISE DISINFECTION DIRECTIONS)

- 1 Remove all animals and feed from premises vehicles and enclosures
- 2 Remove all litter droppings and manure from floors walls and surfaces of facilities occupied or traversed by animals
- 3 [*For Veterinary Practice* Empty all feeding and watering appliances] [*For Farm Premise Use* Empty all troughs racks and other feeding and watering appliances]
- 4 Thoroughly clean surfaces with soap or detergent by manual foam or spray application and rinse with water
- 5 Saturate surfaces with a use solution of 4 oz of *Multi Quat* per 4 gallons of water (or equivalent dilution) and allow to remain wet 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 Wipe or allow to air dry
- 7 Ventilate buildings and other closed spaces Do not house animals or employ equipment until treatment has been absorbed set or dried
- 8 [*For Veterinary Practice* Thoroughly scrub all treated feeding and watering appliances with soap or detergent and rinse with potable water before reuse] [*For Farm Premise Use* Thoroughly scrub all treated feed racks mangers troughs automatic feeders fountains and waterers with soap or detergent and rinse with potable water before reuse]

MUSHROOM FARM PREMISE USE

Site Preparation The first step in any on going sanitation program should be the removal of gross contamination and debris This may be accomplished by using a shovel broom or vacuum depending on the area to be disinfected

Cleaning and Disinfection For general cleaning and disinfection use 4.0 oz per 4 gallons of water Apply use solution with a cloth mop sponge sprayer or by immersion to thoroughly wet the surfaces Treated surfaces must remain wet for 10 minutes Wipe or allow to air dry For heavily soiled surfaces preclean first Prepare a fresh solution for each use of more often if solution becomes visibly diluted clouded or soiled

For Heavy Duty Cleaning When greater cleaning is desired use 7 oz of *Multi Quat* per 4½ gallons water Heavily soiled areas may require repeated cleaning before treatment

DO NOT APPLY THE USE SOLUTION TO THE MUSHROOM CROP COMPOST OR CASING Rinse treated surfaces with potable water before they contact the crop compost or casing

VEHICLES Clean all vehicles including mats crates floors doors cabs and wheels with water and *Multi Quat* Use 4 oz per 4 gallons of water Apply use solution to treat all vehicles Leave treated surfaces wet for 10 minutes Allow to air dry

DEODORIZING DIRECTIONS

This product deodorizes garbage storage areas garbage bins toilet bowls and any other hard non porous surfaces in odor causing areas Mix 1/2 oz per gallon of water and apply solution to surfaces Thoroughly wet surfaces allow to air dry

CLEANING AND DISINFECTION For general cleaning and disinfection use 4.0 oz per 4 gallons of water Apply use solution with a cloth mop sponge sprayer or by immersion to thoroughly wet the surfaces

(Note to Reviewer Language in () is considered optional or interchangeable)

Treated surfaces must remain wet for 10 minutes. Wipe or allow to air dry. For heavily soiled surfaces preclean first. Prepare a fresh solution for each use or more often if solution becomes visibly diluted, clouded or soiled.

FOR HEAVY DUTY CLEANING When greater cleaning is desired, use 7 oz of *Multi Quat* per 4½ gallons water. Heavily soiled areas may require repeated cleaning.

NON FOOD CONTACT SURFACE SANITIZING

Add 0.341 oz of *Multi Quat* per 1 gallon of water (200 ppm active quat) to sanitize pre cleaned, hard nonporous non food contact surfaces against *Staphylococcus aureus* and *Enterobacter aerogenes*. Apply sanitizer use solution with a cloth, mop, sponge, sprayer or by immersion. For sprayer applications, use a coarse spray device. Spray 6-8 inches from surface. Do not breathe spray. Treated surfaces must remain wet for 5 minutes. Wipe dry with a sponge, mop, or cloth or allow to air dry.

TO SANITIZE BARBER / SALON INSTRUMENTS AND TOOLS

Immerse pre cleaned barber / salon instruments and tools (such as combs, brushes, razors, scissors, blades and manicure instruments) in a use solution of 0.341 oz of *Multi Quat* per 1 gallon of water (or equivalent dilution) for at least 5 minutes. Rinse thoroughly and dry before use. Prepare a fresh solution daily or more often if solution becomes visibly diluted, cloudy or soiled.

NOTE Plastics may remain immersed until ready to use. Stainless steel shears and instruments must be removed after 10 minutes, rinsed, dried, and kept in a clean, non-contaminated receptacle. Prolonged soaking may cause damage to metal instruments.

TO SANITIZE LAUNDRY (AGAINST ODOR CAUSING BACTERIA)

Use 4 ounces per 100 pounds of dry weight fabric. Dilute the appropriate amount of *Multi Quat* in one to two gallons of water, then add to the washwheel in the final rinse. Re-treat fabric after each washing. For residual bacteriostatic activity against odor-causing bacteria, conditions of high relative humidity or wet contamination are required. Laundered fabric may also be treated by soaking.

ENTRYWAY SANITIZING SYSTEMS

To prevent cross-contamination from area to area, set the system to deliver sanitizing solution at 0.68 – 2.04 oz per gallon of water (400-1200 ppm active quat). The foam (or spray) must cover the entire path of the doorway. Set the system so that a continuous wet blanket of sanitizer solution is delivered to the floor. Do not mix other foam additives to the sanitizing solution.

SHOE BATH SANITIZER DIRECTIONS

To prevent cross-contamination (into animal areas) (and the packaging and storage areas of food plants), shoe baths containing one inch of freshly made solution must be placed at all entrances to buildings and hatcheries. Scrape waterproof work boots (shoes) and place in solution of 0.341 oz of *Multi Quat* per 1 gallon of water (200 ppm) (or equivalent dilution) for 60 seconds prior to entering area. (If there is a heavy soil load or excessive traffic, place work (boots) (shoes) in a use solution of 0.68 – 1.4 oz per 1 gallon of water (400 – 800 ppm active quat) (or equivalent dilution) for 60 seconds prior to entering area). Change the solution in the bath daily or more often if solution appears diluted or soiled.

SHOE FOAM SANITIZER DIRECTIONS

Multi Quat can be used to prevent cross-contamination into animal areas and packaging and storage areas of food plants. Apply a foam layer approximately 0.5 to 2 inches thick made from a solution of 1.364 to 2 ounces per gallon of water (or equivalent use dilution) (800 to 1200 ppm active) at all entrances to buildings, hatcheries, production and packaging rooms by using a foam generating machine or aerator to apply foam layer. Follow the foaming directions as specified by the manufacturer of the foam generator/aerator. Scrape waterproof shoes. Stand and/or walk through foamed area for 60 seconds prior to entering area. Foam area must be washed and replaced daily or when it appears dirty.

(Note to reviewer: The following are options for presenting the organism information on the label in the subsequent Food Contact Surface Sanitizing section of the label)

Multi Quat can be used to sanitize hard non porous food contact surfaces such as tables counters utensils and food processing equipment

Multi Quat is an effective sanitizer against *Escherichia coli* (ATCC 11229) and *Staphylococcus aureus* (ATCC 6538) on food contact surfaces when used at 0.26 oz – 0.68 oz per 1 gallon of 400 ppm hard water (150 ppm to 400 ppm active quat)

Multi Quat is an effective sanitizer against *Escherichia coli* (ATCC 11229) *Staphylococcus aureus* (ATCC 6538) *Campylobacter jejuni* (ATCC 33291) *Escherichia coli* O157 H7 (ATCC 35150) *Klebsiella pneumoniae* (ATCC 4352) *Listeria monocytogenes* (ATCC 19117) *Salmonella enterica* (ATCC 10708) *Shigella sonnei* (ATCC 11060) *Yersinia enterocolitica* (ATCC 23715) and *Enterobacter sakazakii* (ATCC 12868) on food contact surfaces when used at 0.341 oz – 0.68 oz per 1 gallon of 500 ppm hard water (200 ppm to 400 ppm active quat)

TO SANITIZE FOOD CONTACT SURFACES FOOD PROCESSING EQUIPMENT AND OTHER HARD SURFACES IN (FOOD PROCESSING LOCATIONS DAIRIES OR RESTAURANTS)

Use *Multi Quat* to sanitize pre cleaned hard non porous surfaces of food processing equipment dairy equipment food utensils dishes silverware glasses sink tops countertops refrigerated storage areas and display equipment and other hard non porous surfaces in federally inspected meat and poultry plants or restaurants Prior to application remove gross food particles and soil by a pre flush pre scrape or when necessary a pre soak Then thoroughly wash or flush objects with a good detergent or compatible cleaner followed by a potable water rinse before application of the sanitizing solution Apply a use solution of 1.04 oz to 2.72 oz of *Multi Quat* per 4 gallons of 400 ppm hard water (150 400 ppm active quat) or 1.364 oz to 2.72 oz of *Multi Quat* per 4 gallons of 500 ppm hard water (200 400 ppm active quat) Expose all surfaces to the sanitizing solution for a period of not less than 1 minute Allow equipment to drain thoroughly and air dry

In dairy processing facilities and restaurants in Wisconsin clean equipment with a good detergent and follow with a potable water rinse then rinse equipment with a sanitizing solution of 1.364 oz to 2.72 oz of *Multi Quat* per 4 gallons of 500 ppm hard water (200 400 ppm active quat)

SANITIZING SANITARY FILLING EQUIPMENT

Wash equipment with a compatible detergent and rinse with potable water prior to sanitizing Prepare a use solution of 1.04 oz to 2.72 oz of *Multi Quat* per 4 gallons of 400 ppm hard water (150 400 ppm active quat) or 1.364 oz to 2.72 oz of *Multi Quat* per 4 gallons of 500 ppm hard water (200 400 ppm active quat) for final washer and rinser applications Allow surfaces to remain wet for at least 60 seconds Drain thoroughly and allow to air dry before reuse Do not rinse

SANITIZING BEER FERMENTATION AND STORAGE TANKS

Wash equipment with a compatible detergent and rinse with potable water prior to sanitizing Prepare a use solution of 1.04 oz to 2.72 oz of *Multi Quat* per 4 gallons of 400 ppm hard water (150 400 ppm active quat) or 1.364 oz to 2.72 oz of *Multi Quat* per 4 gallons of 500 ppm hard water (200 400 ppm active quat) for mechanical or automated systems Allow surfaces to remain wet for at least 60 seconds Drain thoroughly and allow to air dry before reuse Do not rinse

RESTAURANT AND BAR RINSE SANITIZING EATING AND DRINKING UTENSILS

- 1 Scrape and pre flush utensils to remove excess soil
- 2 Wash with good detergent or compatible cleaner (see your Ecolab representative for a recommendation)
- 3 Rinse with potable water
- 4 Sanitize in a solution of 0.26 oz – 0.68 oz of *Multi Quat* to 1 gallon of 400 ppm water (150 400 ppm active quat) In Wisconsin sanitize in a solution of 0.341 oz – 0.68 oz of *Multi Quat* to 1 gallon of 500 ppm water (200 400 ppm active quat) Immerse all utensils for at least 1 minute Use 2 minutes exposure time if required by governing sanitary code
- 5 Drain and air dry

NOTE A clean potable water rinse following sanitization is not permitted under Section HFS 196.13 of the Wisconsin Administrative Code

FOR CONTINUOUS TREATMENT OF CONVEYORS

Remove gross food particles and excess soil by a pre flush or pre scrape. Wash with a good detergent or compatible cleaner. Rinse equipment thoroughly with potable water then rinse equipment with a sanitizing solution. During processing apply *Multi Quat* at a 150 to 400 ppm quat level to conveyors with MIKRO MASTER or other suitable feeding equipment. Controlled volumes of sanitizer are applied to return portion of conveyor through nozzles so located as to permit maximum drainage of sanitizer from equipment and to prevent puddles on top of belt. During interruptions in operation coarse spray equipment peelers collators slicers and saws with MIKRO MASTER dispensed *Multi Quat* solution of 150 to 400 ppm quat. Conveyors and other equipment must be free of product when applying this coarse spray. Use 200 ppm to 400 ppm quat level in Wisconsin dairy processing facilities.

SANITIZING SHELL EGGS INTENDED FOR FOOD

To sanitize previously cleaned food grade eggs in shell egg and egg product processing plants spray with a solution of 1.04 oz. to 2.72 oz. of *Multi Quat* in 4 gallons of warm water (150 to 400 ppm). The solution must be warmer than the eggs but not to exceed 130 F. Wet eggs thoroughly and allow to drain. Eggs sanitized with *Multi Quat* shall be subjected to a potable water rinse only if broken immediately for use in the manufacture of egg products. Eggs must be reasonably dry before casing or breaking. Do not reuse solution for sanitizing eggs.

Note Only clean whole eggs can be sanitized. Dirty cracked or punctured eggs cannot be sanitized.

CITRUS CANKER DISEASE CONTROL

For prevention of Citrus Canker Disease through treatment of precleaned equipment. Effective against *Xanthomonas axonopodis* pv. Citri (Citrus Canker Disease) at 2000 ppm active quat. Treatments can be applied to trucks attached trailers and field harvesting equipment including cargo area wheels tires undercarriage hood roof fenders and any other hard non porous part of the equipment that can be taken into infested areas. Thoroughly clean all surfaces with soap or detergent and rinse with water. Then saturate surfaces with a 1.37 use solution (6oz *Multi Quat* per 1 3/4 gallons of water (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. Clothing must be either rinsed or laundered before reuse. Footwear must be rinsed before reuse.

SANITIZING – NON POROUS GLOVED HANDS

To prevent cross contamination into animal areas and the packaging and storage areas of food plants dip soak or spray pre washed (plastic latex or other synthetic rubber) gloved hands so that there is enough sanitizing solution to cover the gloved area. For sprayer applications use a coarse spray device and spray the glove surfaces until thoroughly wetted. Do not breathe spray. **Do not let sanitizing solution come in contact with exposed skin.** Make up the sanitizing solution by adding 1.04 oz. to 2.72 ounces of product per 4 gallons of water (or equivalent use dilution)(150-400 ppm active quat). Dip soak or spray in solution and allow gloved hands to remain wet for at least 60 seconds. Allow them to air dry. No potable water rinse is allowed. Change the sanitizing solution at least daily or when solution appears dirty.

DIRECTIONS FOR FOGGING

To sanitize hard non porous room surfaces in dairies beverage and food processing plants. Prior to fogging food products and packaging material must be removed from the room or carefully protected. After cleaning fog desired areas using one quart per 1000 cu. ft. of room area with a *Multi Quat* solution containing 1.5 oz. *Multi Quat* to 1 gallon of water (900 ppm). A dust mist respirator must be worn when applying the product to the fogging equipment. Vacate the area of all personnel for minimum of 2 hours after fogging. The facility must undergo a minimum of 4 air exchanges (ACH) per hour. All food contact surfaces must be sanitized with a *Multi Quat* solution of 150 to 400 ppm active quaternary (1 oz. to 2.67 oz. per 4 gallons) prior to reuse. Allow food contact surfaces to drain thoroughly before operations are resumed.

Note The fog generated is irritating to the eyes skin and mucous membranes Under no circumstances should a room or building be entered by anyone until the fog has settled **Do not allow people or animals to contact or breathe this fog for a minimum of 2 hours** If the building or room must be entered then the individuals entering must wear a self contained respirator approved by NIOSH/MSHA goggles long sleeves and long pants Fogging is to be used as an adjunct to acceptable manual cleaning and disinfecting of room and machine surfaces

SANITIZING HATCHERY ROOMS USING FOGGING DEVICES

Remove all animals and feed from premises vehicles and enclosures Remove all litter and manure from floors walls and surfaces of the room to be treated Empty all troughs racks and other feeding and watering appliances Thoroughly clean all surfaces with soap or detergent and rinse with water Close room off so fog is confined to room to be treated Mix 187 ounces of this product to 2.5 gallons water A dust mist respirator must be worn when applying the product to the fogging equipment Insert the nozzle of the fogger through a suitable opening into the room With the setting in maximum output fog for one minute for each 4000 cubic feet of space in the room When fogging is completed ventilate buildings and other closed spaces The facility must undergo a minimum of 4 air exchanges (ACH) per hour Do not house livestock or employ equipment until treatment has been absorbed or dried **Do not allow people or animals to contact or breathe this fog for a minimum of 2 hours** Thoroughly clean all surfaces with soap or detergent and rinse with water Fogging is to be used as an adjunct to acceptable manual cleaning and disinfecting of room and machine surfaces

FOGGING DEVICE INCUBATOR AND HATCHER SANITIZER DIRECTIONS

Mix 12 ounces *Multi Quat* to 116 ounces water Fog 3.8 ounces of this into setters and hatchers immediately after transfer Repeat daily in setters and every 12 hours in hatchers Discontinue hatcher treatments at least 24 hours prior to pulling the hatch It is acceptable to fog setters and hatchers with a 1 ounce per gallon solution of *Multi Quat* on an hourly or every other hour basis If this is done fog for 30-90 seconds once per hour or once every two hours When fogging is completed ventilate buildings and other closed spaces Do not house livestock or employ equipment until treatment has been absorbed or dried Thoroughly scrub all treated feed racks mangers troughs automatic feeders fountains and waterers with soap or detergent and rinse with potable water before reuse

NOTE The fog generated is irritating to the eyes skin and mucous membranes Under no circumstances should a room or building be entered by anyone until the fog has settled **Do not allow people or animals to contact or breathe this fog for a minimum of 2 hours** If the building must be entered then the individuals must wear a self contained respirator approved by NIOSH/MSHA goggles long sleeves and long pants Fogging is to be used as an adjunct to acceptable manual cleaning and disinfecting for room and machine surfaces

NOTE

FOR MECHANICAL OPERATIONS A prepared use solution may not be reused for sanitizing but may be reused for other purposes such as cleaning

FOR MANUAL OPERATIONS Prepare a fresh sanitizing solution as soon as it becomes diluted or soiled

DO NOT MIX WITH ANYTHING BUT WATER

STORAGE & DISPOSAL

Do not contaminate water food or feed by storage or disposal

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

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

(< 55 gallons rigid) Nonrefillable container Do not reuse or refill this container Clean container promptly after emptying Then offer for recycling if available or dispose in sanitary landfill or via 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 with pesticide disposal instructions

(Note to Reviewer Language in () is considered optional or interchangeable)

Repeat two more times If not triple rinsed these containers are acutely hazardous wastes and must be disposed in accordance with local state and federal regulations

(Bulk containers/totes) Refillable container Refill this container with pesticide only Do not reuse this container for any other purpose Do not rinse residue from container Return empty container to point of purchase for proper cleaning and disposal

EPA Reg No 1677 198

EPA Est 1677 IL 2 (J) 1677 TX 1 (D) 1677 GA 1 (M) 1677 MN 1 (P) 1677 CA 1 (S) 1677 WV 1 (V) 303 IL 1 (L) 1677 CA 2 (R)

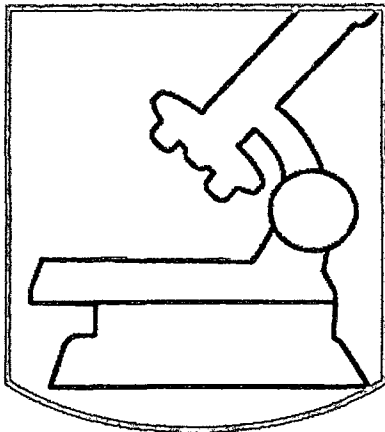
The superscript refers to the first letter of the date code

Ecolab Inc
370 Wabasha Street N
St Paul MN 55102

Net Contents	1 gal (3 78 L)
	2 5 gal (9 45 L)
	5 gal (18 9 L)
	55 gal (208 8 L)
	300 gal tote

Optional marketing graphic & language

•



Disinfectant/Sanitizer
Desinfectante

- See side/back panel for First Aid
- <product name> is a blend of quaternary ammonium compounds
- 5th generation quaternary ammonium food contact hard surface sanitizer
- Convenient to use – easily proportioned through sprayers or injection meters
- Effective against bacteria listed on product label that may cause odor or spoilage problems within meat and poultry processing plants
- Effective against organisms listed on product label typically encountered in the processing of ready to eat meats
- Effectively controls odors
- EPA registered as a no rinse sanitizer for use on hard food contact surfaces at a concentration of 150 400 ppm active quaternary
- Fifth generation quat is low foaming and has increased tolerance to soil loading and hard water conditions
- Formula ingredients contain no phosphorus
- Formulated for use in dairy processing facilities

(Note to Reviewer Language in () is considered optional or interchangeable)

- Formulated for use in food processing facilities
- Formulated for use in meat and poultry processing facilities
- Helps enhance food safety when used in a total Ecolab product and professional services program
- Non corrosive to hard surfaces at recommended use dilution
- Promotes quality assurance
- Saves money
- Saves time and labor
- The non corrosive formula enables its use on hard non porous food contact surfaces
- Useful for a wide variety of applications as listed on the product label
- Wide range of use in both raw and ready to eat processing facilities