9/27/2012

Date of



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs Antimicrobials Division (7510P) 1200 Pennsylvania Avenue NW Washington, D.C. 20460 833-5

EPA Reg

Number:

Issuance:

SEP 27 2012

Term of Issuance:

Non-Conditional

Name of Pesticide Product:

Per-Ox Extreme

NOTICE OF PESTICIDE:

<u>x</u> Registration Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

SRS International Corp.

Agent for Alex C. Fergusson, Inc

10234 Three Fox Lane

PO Box 109

Delaplane, VA 20144

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is non-conditionally registered in accordance with FIFRA sec 3(c)(5) provided that you:

- 1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA section 4.
- 2. Make the labeling changes listed below before you release the product for shipment:
 - a. Revise the "EPA Registration Number to read, "EPA Reg. No. 833-5".

Signature of Approving Official:

Marshall Swindell

Product Manager Team-33

Regulatory Management Branch I

Antimicrobials Division (7510P)

Date:

SEP 2.7 2012

- **b.** The following labeling claims are unacceptable because no efficacy data were generated to support these use sites:
 - Aseptic Food Processing Operations (which include Food Packing Materials)
 - Packinghouse Sanitization
 - Field Equipment Sanitization
 - Fogging
 - Surface Disinfection
 - Porous and Non-Porous Hard Surface Sterilization
 - Disinfection of Sewage and Wastewater Effluents in Treatment Plants
 - Sanitizing and Disinfection of Laundry in Commercial and Institutional and Industrial Operations.
- **c.** The following organisms must be removed from the labeling because no efficacy data were generated to the support these pests:
 - Listeria monocytogenes
 - Salmonella typhimurium
- d. On page 7, the following labeling claim must be removed: For Treatment of Processing Waters to Control Growth of Non-Public Health Microorganisms that Can Cause Spoilage of Fresh-Cut, Post-Harvest, or Processed Fruits and Vegetables. The claim is ambiguous as it may be construed that the product can be used on processed food. An antimicrobial used in or on processed food is not a "pesticide" under FIFRA and would be subject to regulation by FDA as a food additive (see section 409 of the Federal Food, Drug, and Cosmetic Act [FFDCA]).
- e. On page 1, delete the following claim: For "Organic Production. May be used in rinse or wash water on products labeled as organic food in food processing facilities on commodities that will further be processed". See Item d above for further details as to why this claim must be removed.
- f. On page 7, the use directions for "fogging to control the growth of non-public health microorganisms for spoilage on raw, post harvest fruits and vegetables during the post-harvest process" lacks pertinent safety information that is important for this method of application. Fogging generates particles that are small enough to be inhaled and also may contact the skin, thereby leading to potential exposures to applicators and bystanders. Labeling, specifically the use directions, must be protective of human health. Therefore, the following changes must also be incorporated for application of fogging in enclosed areas:
 - Under Precautionary Statements (p.3)
 - Specify the proper respiratory protection that is to be worn by the applicator
 - In addition to the numbered items under the directions for use for fogging on p. 7
 - o "TURN OFF ALL IGNITION SOURCES such as pilot lights (shut off gas valve), other flames or electrical appliances that cycle on and off (i.e.,

Page 3 EPA Reg. No. 833-5

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

A stamped copy of the label is enclosed for your records. Submit one (1) copy of your final printed labeling prior to release of this product for shipment. If you have any questions concerning this letter, please contact Demson Fuller at (703) 308-8062.

Sincerely,

Marshall Swindell

Product Manager Team-33

Regulatory Management Branch I Antimicrobials Division (7510P)

Enclosure: (Stamped Label)

Per-Ox Extreme

EPA Registration No.: 833-5 EPA Est. No.: 833-PA-1

For Industrial Use Only

Active Ingredients:	Peroxyacetic Acid	15%
•	Hydrogen Peroxide	10%
Inert Ingredients:		<u>75%</u>
Total		100%

KEEP OUT OF REACH OF CHILDREN **DANGER**

For biofouling and slime control in:

Recirculating process and cooling water systems

For Institutional / Industrial sanitizing of previously cleaned non-porous food contact surfaces in:

- Dairies, Wineries, Breweries and Beverage Plants
- Meat and Poultry Processing/Packaging Plants
- Milk and Dairy Products Processing/Packing Plants
- Seafood and Produce Processing/Packing Plants
- Food Processing/Packing Plants
- Egg Processing/Packing Equipment Surfaces
- Eating Establishments

For Institutional / Industrial sanitizing of previously cleaned, hard, non-porous food contact surfaces such as:

- Eating, Drinking, and Food Preparation Utensils
- Tableware
- Plastic. Glass and Metal Bottles (rinse)

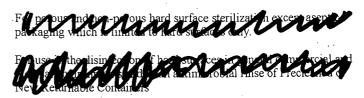
products labeled as organic in food processing facilities on commodities that will be further processed. For use as a sanitizer on food contact surfaces in contact with products labeled as organic,

Use as a coarse spray for surfaces to be sanitized.

For sanitizing surfaces such as packing house conveyors and harvesting equipment and containers. It is effective against plant pathogens such as *Xanthomonas campestris* (axonopodis), pathovars citrumelo (citrus canker surrogate).

For sanitizing of hatching egges.





For use as a dip, spray, wash or fog to control the growth of non-public health microorganisms that may cause decay and/or spoilage on raw, post-harvest and fresh cut, fruits and vegetables.

For use in process water that may contact my, nost na vector likes out, must and vegetables.

For use in aceptic food processing in food packaging materials to an extension and sewage effects the contact in public an invation and account of the contact in public an invation and account of the contact in public and invation factories.

For use in agricultural water and irrigation systems.



ACCEPTED with COMMENTS in EPA ...

SEP 27 2012

Under the Federal Insecraciae, Fungicide, and Rodenticide Act as amended, for the pesticide, and the PAR Reg. No. \$33.5

Alex C. Fergusson 5000 Letterkenny Road Chambersburg, PA 17201

Net Contents: #### Gallons / #### Pounds

ACCEPTED
with COMMENTS
in EPA Lette: Long

SEP 27 2012

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 833-5

Precautionary Statements Hazards to Humans and Domestic Animals

DANGER

Corrosive. Causes eye and skin damage. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Do not breathe vapor or spray mist. Do not enter an enclosed area without proper respiratory protection.

Physical or Chemical Hazards – Strong oxidizing agent. Mix only with water. Not combustible but at temperatures exceeding 156 ^OF, decomposition occurs releasing oxygen. The oxygen released could initiate or promote combustion of other materials.

Environmental Hazards – This pesticide is toxic to birds, mammals, fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with 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 effluents containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board if Regional Office of the EPA.

Any solution released from the system should be diluted with water and tested for residuals to ensure that there is less than 3 ppm peroxygen remaining.

First Aic

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

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 Inhaled

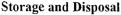
- · Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible.
- Call a poison control center or doctor for further treatment advice.

If Swallowed

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

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage

SRS International Corp.



Do not Contaminate Water, Food, or Feed by Storage and Disposal

Pesticide Storage

NEVER RETURN Per-Ox Extreme TO THE ORIGINAL CONTAINER AFTER IT HAS BEEN REMOVED. Avoid all contaminants, especially dirt, caustic, reducing agents, and metals. Contamination and impurities will reduce shelf life and can induce decomposition. In case of a decomposition, isolate container, douse container with cool water and dilute with large volumes of water

Avoid damage to containers. Keep containers closed at all times when not in use. Keep containers out of direct sunlight. To maintain product quality, store at temperatures below 86°F. Do not store on wooden pallets.

Procedure for Leak or Spill

Stop leaks if this can be done without risk. Shur officer work so the flames, smoking, flares, or spark-producing tools be percompulsible and organic materials away. Flush spilled material with large quantities of water. Undiluted material should not enter confined spaces 27

Disposal

Under the Federal Insecticide. Pesticide Disposal Fungicide, and Rodenticide Act as If material has been spilled, an acceptablament of fisher spilled, with at least 20 volumes of water followed by the state of the treatment of the state of system in accordance with all local, state, and Federal environmental lav rules, regulations, standards, and other requirements. Because acceptable methods of disposal may vary by location, regulatory agencies should be contacted prior to disposal.

Product to be discarded should be disposed of as a hazardous waste after contacting the appropriate local, state, or Federal agency to determine proper procedures.

Container Disposal

Nonrefillable containers less than 5 gallons. Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available, Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pout rinsate into application equipment or a mix tank and store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or dispose in accordance wit local, state and Federal regulations.

Nonrefillable containers greater to or equal to 5 gallons. Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available, Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Empty drums are not returnable unless special arrangements have been made. Dispose of drums in accordance with local, state and Federal regulations.

All Refillable containers. Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times. Return to manufacturer for reuse.

Directions for Use

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

Control of Slime Forming Bacteria in Recirculating Cooling Water Systems (Cooling Towers, Evaporative Condensers) and Non-Food Contact Water Systems (Pulp and Paper Mill Water Systems)

For use in treating raw (make-up) and process waters, closed and opened loop systems such as heat exchangers, wet scrubbers, cooling towers, evaporative condensers and recirculating industrial process waters, such as pulp and paper mill water systems.

- Severely fouled systems should be cleaned before adding the product solution. Refer to the system operation manual for directions to clean severely fouled systems. The product should be added directly to the system and not mixed with any other chemicals or additives. Other chemicals should be added separately. Contamination with other chemicals could result in product decomposition.
- Add the product solution at a point in the system where uniform mixing and even distribution will occur.

Intermittent feed method: When the system is noticeably fouled, apply 0.8 -1.2 lb (10 to 16 fluid ounces) per 1000 gallons of water in the system. When microbial control is evident, add 1.0 lb (14 fluid ounces) of the solution per 1000 gallons of water in the system every day, or as needed, to maintain control. The daily dose rate should vary depending upon the severity of the biofouling.

Continuous feed method: Initial dose - When the system is just noticeably fouled, apply 0.8 tTo 1.2 lb (10 to 16 fluid ounces) per 100 gallons of water in the system. When microbial control is achieved, start adding continuously at a rate of 1.0 lb (14 fluid ounces) per 1000 gallons of water (provides 17 ppm peroxyacetic acid and 12 ppm hydrogen peroxide). Then reduce the rate of addition to a level sufficient to maintain control. The dose rate may have to be adjusted to account for losses due to blowdown and evaporation. Add 1.4 fluid ounces of product for every 100 gals of make

Processing Operation

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App minim\

For a soluti conta treati

Food Processing Equipment

The product may be used to achieve commercial sterility of non-porous food manufacturing, packaging and filling equipment. May be used on manufacturing, filling (including rotary fillers) and packaging equipment.

- 1. Remove gross soil particles from equipment surfaces.
- 2. Clean surfaces thoroughly.
- 3. Rinse thoroughly with potable water.
- Apply a solution containing 4000 ppm (0.4%) peroxyacetic acid at a minimum temperature of 65°C.
- Use immersion, coarse spray or circulation techniques to apply.
 Automated application by fine mist or vapor deposition may be used within enclosed spaces.
- 6. Allow contact time of at least 20 seconds.
- Allow to drain dry.
- ·8. A final rinse with sterile water is optional.

This product may be used on equipment used in aseptic packaging as an antimicrobial rinse in food processing operation that has a scheduled process accepted by FDA. The aseptic food processing operation must comply with all applicable FDA regulations, including but not limited to 21 CFR parts 108, 110, 113, and/or 114. Use of an aseptic food processing operation includes treating required for the process validation.

Sanitizing of Non-porous Food Contact Surfaces

For use in circulation cleaning and institutional /industrial sanitizing of previously cleaned hard, non-porous food-contact surfaces and equipment, such as food preparation surfaces, pipelines, tanks, vats, filters, evaporators, pasteurizers and aseptic equipment in

- · Dairies, Wineries, Breweries and Beverage Plants
- Meat and Poultry Processing / Packaging Plants
- Milk and Dairy Products Processing / Packing Plants
- Seafood and Produce Processing / Packinh Plants
- · Food Processing / Packing Plants
- Egg Processing / Packing Equipment Surfaces
- Eating Establishments
- Final Sanitizing Bottle Rinse

An effective sanitizer against Staphylococcous aureus Escherichia coli,

Clean equipment immediately after use.

- 1. Remove gross particulate matter with a warm water flush.
- 2. Wash equipment with detergent or cleaning solution.
- 3. Rinse equipment with potable water.
- Prepare product solution by adding 0.31 to 0.45 fluid ounces to 5 gallons potable water. This provides 85 to 123 ppm peroxyacetic acid and 57 to 82 ppm hydrogen peroxide.
- 5. Fill closed systems with diluted sanitizer solution and allows a contact time of one (1) minute
- If sanitizing against Listeria monocytogenes, use 0.4 to 0.45 fluid ounces
 of this product to 5 gallons potable water. This will provide 109 to 123
 ppm of peroxyacetic acid and 73 to 82 ppm of hydrogen peroxide.
- 7. For open or not completely closed systems, use a coarse spray, mop/wipe or flood technique to apply solution to the surface and allow a contact time of one (1) minute. Allow surface to drain thoroughly before resuming operation.

Eating Establishment Sanitizing

An effective sanitizer against Staphylococcous aureus, Escherichia coli.

- 1. Scrape/prewash plates, utensils, cups, glasses, etc. whenever possible.
- 2. Wash all items with a detergent.

3. Rinse thoroughly with potable water.

 Prepare product solution by adding 0.31 to 0.45 fluid ounces to 5 gallons potable water. This provides 85 to 123 ppm peroxyacetic acid and 57 to 82 ppm hydrogen peroxide.

5. Immerse all items for at least 1 minutes or for a longer contact time if specified by the local governing sanitation code.

 If sanitizing against Visteria monocytogenes, use 0 A tout 45 fluid ounces of this productio 5 gallons potable water. This Will provide 190 to 123 ppm of peroxyacetic acid and 73 to 82 ppm of hydrogen peroxide.

Place all sanitized items on a rack or drainboard to drain adequately. Air dry if items will not be reused immediately,

Sanitizing Tableware

For sanitizing tableware in low to ambient temperature warewashing machines, inject the diluted product solution (0.31 to 0.45 fluid ounces of the product to 5 gallons of potable water) into the final rinse water. This will provide 85 to 123 ppm of peroxyacetic acid and 57 to 82 ppm of hydrogen peroxide. Allow treated materials to drain adequately. Air dry if items will not be reused immediately.

Final Sanitizing Bottle Rinse

May be used as a final sanitizing rinse for plastic, glass or metal returnable and non-returnable bottles / cans.

- 1. Wash bottles with detergent or cleaning solution and rinse with potable water.
- Rinse bottles with a solution prepared by mixing 0.31 to 0.45 fluid ounces of product to 5 gallons of potable water. This provides 85 to 123 ppm of peroxyacetic acid and 57 to 82 ppm of hydrogen peroxide. Allow to drain dry/

Sanitization of Hatching Eggs

- Prepare a dilute solution prepared by mixing 0.31 to 0.45 fluid ounces of product to 5 gallons of potable water. This provides 85 to 123 ppm of peroxyacetic acid and 57 to 82 ppm of hydrogen peroxide.
- Apply dilute solution as eggs are gathered or prior to setting as a coarse spray or flood so as to lightly wet all egg shell surfaces.
- 3. Allow to drain dry.

Sanitizing of Conveyors, Peelers, Slicers and Saws for Meat, Poultry, Seafood, Fruits and Vegetables

An effective sanitizer against (Staphylococcous aureus Escherichia coli)

For use in the static or continuous washing, rinsing, and sanitizing of conveyor equipment, peelers, collators, slicers, saws, etc.

- Remove all products from equipment if during treatment the sanitizer will directly contact the items.
- Prepare sanitizer solution by adding 0.31 to 0.45 fluid ounces to 5 gallons of
 potable water. This provides 85 to 123 ppm of peroxyacetic acid and 57 to 82
 ppm of hydrogen peroxide.
- 3. Apply sanitizer solution to the return portion of the conveyor or to the equipment by using a coarse spray or other means of wetting the surfaces. Control the volume of solution so as to permit maximum drainage and to prevent puddles. The conveyor may still ne damp when food contact occurs.
- If sanitizing against Listeria monocytogenes, use 0.4 to 0.45 fluid ounces of this product to 5 gallons potable water. This will provide 109 to 123 ppm of peroxyacetic acid and 73 to 82 ppm of hydrogen peroxide.
- Allow equipment to drain adequately before reusing, a dry surface is not required.

Surfaces Treated to Control the Spread of Citrus Canker

Can be used to control the spread of citrus canker between inanimate surfaces to plants. This product is for sanitizing surfaces such as packinghouse conveyors and harvesting equipment and containers. This product is not for treatment of infected plants.

ACCEPTED with COMMENTS in EPA Letter Day

Under the Federal Insecution

Fungicide, and Rodenticide Act as.

amended, for the pesticide,

registered under EPA Reg. No. 833-5

Attachment #3: Page 5 of 7

Packinghouse Sanitization

An effective sinitizer against microorganisms such as Xanthama as campastris (stanopodis) and Asperg as versicolar, as well a Staphy oco cour gure s. Es thericle a contain and almorellar or simulations.

- 1. Remove gross ontamination with a desirer or other suitable deterger and rinse with potable with
- Use at a dilution of 3.1 fluid on nees for 50 gallens of water 185 ppn peroxyacetic acid and 57 ppm hytrogen peroxyacet as Ageneral sunitizing coarse sprayer reduced of terial and hyngal/softamination of walls, needs, conveyers and have sting containers.
- 3. Allow sanitizer to contact surfaces for at least one ininute.

Allow to air dry, do not rinse.

Field Equipment Sanitization

May be used to an tize harvest equipment such as pickers, trailers, trucks (including truck body partiand tires), and, packing craits ladders, ower tools, and tools, gloves, truber boots (runing stears or other equipment that may transfer fanthamongs a impestric feathamong by the continue (citrus casked surrogate). This produce can also be used to saftize surrogate contaminates with E. cdi, Salm nella typhicurium and a prosess.

- Beford savitization, move the field edippendinto an free hithan impervious surface and with controlled drawage. Engine that to sanitization solution will be released into the environment.
- Regione gross contamination well a cleaner or other suitable detergent and tinse with water.
- Use at a dilution of 3// to 5.0 fluid outses per 50 gallons of water (a 135 ppm peroxyacete acid and 57 50 ppm/hydrogen deroxide) as a general sanitaring coarse spray.
- 4. Allow salitizer to contact surfaces for ar coast one (1) minute
- 5. Allow to air dry, do not rivse

Forging

For sandizing hard, not port us room surface as an argunet to at epitable manuscreaming and his infection of room surfaces.

- Priot to forging remove of carefull protect all tool products a packaging materials.
- Ensure/room is properly tentilited. Vacace affipersocial from the room during trigging and for a minimum of 2 hours after rouging. In the reis no strong odor characteristic of a cetic as to before allowing personnel to return to the work area.
- 6. Fog/areas/uting one quart per 1100 cu. 14 of room area will a 0.1% solution of the product.
- 4. Allow surface to drain moroughly before operations are results

Surface Disinfection

An effective one-step of caner and disinfectan against vegetative forms of Grampositive and negative pacteria (vegetative forms) such as Staphylococcous aureus, Salmonella molerasias, Preduomonas geruginosa. It is effective in hard water (up to 40% ppm as calcium ourbonate equivalent) and in the presence of moderate organic soft. It way also be used in general commercial and medical epoilopaments to clearly disinfect and deodorize inanimate surfaces such as:

- Floors, walls, and other non-horous inactimate surfaces such as fables, chairs, chuntertops, garbagg/cuns/biny, balaroom/fatures sinks bed flumes, shelves, racks, carrs, racriggrators, cookers, glazecurile, linoleum, vilyl, glazer percellin, prastic such as polypropyrane and polyethylene), stanless such or glass.
- Hospital, so gical and obstetrical states, operating tables, house coping services physical the pay departments, pursing hours, health care facilities, autohys facilities, marn accurring and chemical processing facilities and equipment.
- Schools, chileger industrial facilities, detary areas, office buildings, refrestional facilities, regail and wholesale establishments.
- Animal hospitals, Veterinary clinics animal like science laboratories, kennels, kenne rum, cages, feeding and watering equipment, pet shops, zoos, pet animal quakers, poultry premises, trucks, hatcheries and live stock quarters.

Prepare disinfecting solution by adding 1.1 to 9.5 fluid ounces of the product to 5 gallons of potable water. This will provide 300 to 2600 ppm of peroxyacetic acid and 200 to 1730 ppm hydrogen peroxide. If surfaces are moderately soiled, the disinfectant solution may be used without a pre-cleaning step. For grossly soiled surfaces, remove filth from surfaces to be disinfected by cleaning with a detergent or suitable cleaning product. Rinse with clean water. To disinfect, apply by wiping, mopping, or as a coarse spray. Allow to soak for at least 10 minutes then air dry.

Antimicrobial Rinse of Pre-Cleaned or New Returnable or Non-Returnable

To reduce the number of nonpathogenic beverage spoilage organisms such as Aspergillus versicolor, Byssochlamys fulva, Peiococcus damnosus, Lactobacillus buchneri and Saccharaomyces cerevisia.

Use up to 10 fluid ounces of product per 5 gallons of potable water. This provides 2700 ppm of peroxyacetic acid and 1800 ppm hydrogen peroxide.

After applying the antimicrobial rinse, allow containers to drain thoroughly. Optional rinse with sterile or potable water.

For Porous and Nor-Porous Mard Surface Sterilization

May be used to steplize both porous and non-porous hard surfaces in institutions, manufacturing, four processing or other non-medical facilities where sterilization is required. It is affective in the presence of 400 ppm hard water (measured as calcium carbonale equivalent and moderate organic soff (tested as 5% serum).

- 1. Remove choss filth within suitable determent if present. Rinse with clean water.
- Mix 2. Thuid ounces per callons of clean water. This provides 3400 ppm peroxylace clacid and 2240 ppm hydrogen provide.
- Spray, sponse or flood to verburfaces thoroughly. Solution must remain in confact with urface for 6 agurs. Reapply solution to surfaces as necessary to maintain wet sonditions.
- 4. Rhise food-contact surfaces with a sterile, potable vater rinse, followed by application of assanitizing solution of Fer-Ox Extreme.
- 5/ Do not re-use solution prepare new solution each time

This product is not to be used as a technical section. In light level disinfectant on any surface of instrument that (I) is introduced directly into one human body, either into contact with the cloodstream representation areas of the body or (2) contacts intact a dicous mentiones but which do sonot ordinarily penetrate the blood barrier or otherwise enter parmally sterile area of the body. This product may not be used to preclean or decentary unate any medical device.

and 🌠 Effluents in Tr For Disinfection of S wage and X astewater effi and v To tre sewage ublic and applied/di plant appropria vator su applied to ent disch rged fro vill deper n rate for i The applica di vi'dı the effluent bioloading n to be di harged and t ped of the in limit. Adj pplication to meet the

- 1. Add to efficient water the concentration of 0.5 ppm to 5 ppm Alloy contactime of approximately 5 to 60 minutes.
- 2. The maximum amount of peracetic acid hat can be discharged you the treatment facility is it ppm. Usefun appropriate peracetic and test kathanalyzer no ensure that this layer is not exceeded. Contagn our AFCs representative for assistance establishing treatment regimes.

ACCEPTED
with COMMENTS
in EPA. Letter Dated:

SEP 27 2012

Under the Federal Insecticide, Fungicide, and Rodenticide fiet as amended, for the posticide, registered under EPA Reg. No. 8133-5

Attachment #3: Page 6 of 7

Per-Ox Extreme / File Symbol 833-L Response to Product Chemistry Deficiencies For Treatment of Processing Waters to Control Growth of Non-Public Yealth Microorganisms that Can Cause sponge of Fush-Cut, Post-Hurvest, or Processed Fruits and Veget poles

1. Ensure the solution is moroughly mixed.

- Add a a dilution of (1) fluid oz tr 1.0 fluid oz ver 16 gallon water. The provides 5 to 50 ppm peroxyacetic acid at 4 to 57 ppm aydrogen peroxide.
- Allow the solution to circulate at least 45 second, before adding or treating a.w., fresh-cuttor professed fruits and vegetables.
- Add concentrate as needed to main ain a concentration of at least a ppm perbyyacetic acuid and a ppm hydrogen peroxide
- Prepare fresh process water daily. Doy of reuse water that is badly forlied.

For Treatment of Processed Fruit and Vegetable Surfaces and Process Water to Control Browth of Non-Public Health Microorganisms that Can Lause Spoilage

- At d at a dilution of 3.5 fluid ounces per 25 gai ons of ways. Ensure that the dilution is thoroughly mixed at his provides 80 ppm reloxyacconcidend 50 ppm hydrogen perchide.
- 2. Apply the prepared solution as a spray ordip. Allow minimum contactime of 45 seconds. No rinst following application is required. This use complies with the requirements at 21 CFR 173.314(a)(5). A votable water rinse is not required following application of the diluted solution.

For Treatment of Raw, Unprocessed Fruit and Vegetable Surfaces

Can be applied as a dip or spray to control the growth of non-public health microorganisms such as Xanthamonas campestris (exonopodis) pathovars citrumelo (citrus canker surrogate) and Aspergillus versicolor, blue mold (Penicillium species), green mold (Penicillium species) and stem-end rot (Geotrichium) that may cause decay and/or spoilage on raw, post-harvest fruits and vegetables during the washing process. This product can be applied during physical cleaning processes:, including at the roller spreader, washer manifold, dip tank, on the brushes: or elsewhere in the washing process pror to, simultaneously with or after detergent wash.

- Prepare treatment solution by adding 1.0 fluid ounce per 16 gallons of potable water. This will provide 85 ppm peroxyacetic acid and 57 ppm hydrogen peroxide.
- Apply the diluted sanitizer solution using a coarse spray directed at the fruits or vegetables, or by soaking the fruits or vegetables in the solution. Allow a contact time of at least 45 seconds.
- 3. The treated produce can be drain dried without a potable water rinse.
- 4. Do not reuse solution after treatment.

Can be used on the following raw and post-harvets fruits and vegetables

- Root and tube vegetables such as carrots and potatoes
- Bulb vegetables such as onions, garlic and shallots
- Leafy vegetables such as broccoli, cabbage and cauliflower
- · Legumes such as beans, peas and lentils
- Fruiting vegetables such as peppers, tomato and eggplant
- Cucurbits such as cucumbers, melons, squash and pumpkins
- Citrus fruits such as oranges, lemons, limes and grapefruit
- Pome fruits, apples and pears
- Stone fruits such as cherries, peaches, nectarines and plum
- Small fruits and berries: blackberries, blueberries, read and black raspberries
- · Tree nuts such as almond, brazil, filbert, cashew and pecan
- · Cereal grains such as corn, barley, oats, rice, and wheat
- · Herbs and spices such as basil, chives, coriander and dill
- Miscellaneous fruits and vegetables such as asparagus, avocado, artichoke, banana, crapherry, fig, grapes, kiwifruit, mango, mushrooms, okra, papa peakill pineapple, strawberry and water chestnut.

for EPA i atter Dated: SEP 27 2012

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 833-5

Per-Ox Extreme / File Symbol 833-L Response to Product Chemistry Deficiencies Can be applied by fogging to control the growth of non-public health microorganisms that may cause decay and/or spoilage on raw, post-harvest fruits and vegetables during the post-harvest process.

- Ensure the room is well ventilated. Vacate all personnel from room during fogging and for a minimum of 2 hours after fogging. Ensure there is not strong odor characteristic of acetic acid before having personnel return to work area. Do not enter room until hydrogen peroxide concentrations are correctly tested and are below 1 ppm on a time weighted average.
- Fog area using one quart of a 0.06% solution (1 fluid ounce per 16 gallons of water) per 1000 cu. Ft. or room volume. Allow surface to drain thoroughly before operations are resumed.

Agricultural and Horticultural Uses

A Restricted-Entry-Interval of zero (0) hours us required for this product in agricultural and horticultural uses. This product should not be mixed or combined with any pesticides or fertilizers. Upon soil contact, the diluted product decomposes rapidly to oxygen, carbon dioxide, and water. This product may be harmful to fish if exposed on a continuous basis at concentrations greater than 1 ppm of active peracetic acid. Meter this product into pressurized pipes using a plastic or stainless steel injection/backflow device installed upstream from the equipment to ensure thorough mixing prior to application. For open bodies of water, allow adequate mixing prior to product flow entering any body of water. If open pouring of this product is required, pour product close to the surface of the water as possible to reduce odor and exposure.

Treatment of Agricultural and Irrigation Water Systems

Use to control sulfides, odor, slime and algae in sand filters, humidification systems, storage tanks, ponds, reservoirs, canals. Apply at 15 to 75 fluid ounces per 10,000 gallons of water. This provides 2 ppm to 10 ppm peroxyacetic acid. Repeat dose as necessary to maintain control. For prevention of algae, some systems may require continuous low level dosing during warm, sunny periods (2 ppm to 5 ppm peroxyacetic acid).

For Sahitizing and Disinfection of Laundry in Commercial and Institutional and Industrial Operations

Use it commercial and Institutional and Industrial regulding despitable laundy, operations for control of microorganisms including Rebsie la preumbria.

Starty Voccous Jureus, Resudomorus aero linosa E. coli and other coliforus.

For sanitizat in to control leb siella promonite

- Add 2 arfluid on cell per 100 perinds of air laundry ass mes 5 parts water to know dry (auno passed on 700 lb) of dry laundry
- 2. Injucy product into the sanitizing rinsestep at 2/3 fluid pances per 60 gallons of leater applied. Broduct is effective inwater up to 4/0 ppen of water had ness. Treat leandry for a ministum of 5 ministers at a minimum of 8°C. Following sanitisation, landry may be rired with water that hay include a softener, starcks over neutralizer fragrence, sail selesse agent, and the fluid translater.

For disinfection:

- Adda by fluid ounce oper 100 pounds of dry laurary assume to laurary asset of 100 lbs of dry laurary.
- Inject product into the disinfecting rises step at 3.6 fluid concerner 60 gallons of water applied. Wodult is effective in vater up a 40% pplot of water hadness. That I fundry from minimum of 5 minutes at a minimum of 80°C, otherwing distriction, nuncry may be risked with water tho may include a softener, staron, odor neutralizer, magrange, soil release agent, and/or floid repellent.

Note: May cause blenging of treated savates; test composity is insure

No e: B to this i go duct to santize metal strates, it is recommended that the disced solution be ested on a small area to determine compatibility.

In all applications always preparea new solution to ensure effectiveness. Do not re-use solutions. Dispose of unused solution