

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

May 8, 2018

Tiana Rosamilia Manager Evonik Corporation 299 Jefferson Road Parsippnay, NJ 07054

Subject: PRIA Label Amendment – Revised to Add Organism to Food Contact Surface

Sanitization

Product Name: Peraclean 5

EPA Registration Number: 54289-3 Application Date: 12/14/2017 Decision Number: 536949

# Dear Ms. Rosamilia:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Page 2 of 2 EPA Reg. No. 54289-3 Decision No. 536949

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Terria Northern by phone at 703-347-0265, or via email at northern.terria@epa.gov.

Sincerely,

Zeno Bain, Product Manager 33 Regulatory Management Branch I Antimicrobials Division (7510P) Office of Pesticide Programs

Enclosure: Approved label

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

300-1500 ppm peroxyacetic acid. Let soak for 15 minutes and follow with a potable non-porous glazed porcelain, plastic (such as polypropylene

SANITIZATION
NOTE: FOR MECHANICAL OPERATIONS prepared use solution may not be used for Combination Disinfection and Cleaning
OPERATION DISINFECTION AND CLEANING For International Combination Disinfection and Cleaning Property Combination Disinfection Disin subsequent sanitizing but may be reused for other purposes such as cleaning. FOR MANUAL OPERATIONS fresh sanitizing solutions should be prepared at least daily or Salmonella more often if the solution becomes diluted or soiled.

PERACLEAN® 5 peroxyacetic acid sanitizer is recommended for use on precleaned 35150)] at 0.23% (1.5 ft. oz/5 gal.) in hard water (400 ppm as surfaces such as equipment, pipelines, tanks, vats, fillers, evaporators, pasteurizers and aseptic equipment in dairies, breweries, wineries, beverage and food processing/ and desciplents, updates a continuous content of the content of th reduction of survivors after a 60 second exposure period in the AOAC Germicidal and for 10 minutes, then remove solution and entrapped soil with a clean Detergent Sanitizing Action of Disinfectants study.

### SANITIZATION OF CONVEYORS AND EQUIPMENT FOR MEAT, POULTRY, SEAFOOD,

### FRUIT, NUTS AND VEGETABLES:

For use in the static or continuous sanitizing, washing or rinsing of conveyors, slicers, saws, and equipment, apply a solution of this product using 1.15-7.0 oz. per 6 gallons of water (82 ppm to 500 ppm active peroxyacetic acid) to pre-cleaned surface. Apply sanitizer solution to the return portion of the conveyor or equipment using coarse spray or similar means of wetting surfaces, so as to affect draining and prevent puddling. Allow sanitizer to thoroughly wet surface for a minimum 60 seconds contact time. No rinse is needed.

### SANITIZING FOOD CONTACT SURFACES

ctive against Staphylococcus aureus [(ATCC 6538)] and Escherichia coli fresh solution for each use. [ATCC 12364] Pseudomonas Aeruginosa (ATCC 15442) Salmonella typhimurium
[ATCC 23664] and Listeria Monocytogenes [(ATCC 19117]

Prior to sanitizing, remove gross food particles, then wash with a detergent solution, <u>FILTRATION AND REVERSE OSMOSIS (RO) MEMBRANES</u> Find to Saturating (entirely gloss not) particles their wash in a detergion source in consistent processes in the saturation of the satura In a win provise out in 50 ppin or percoyacea, act. At us fautoin 114 and 114 ppin or percoyacea, and their associated distribution systems. 5 is effective against Staphylococcus aureus and Escherichia out and Salimonella hyphimunium ((ACC 23644)). For use against Fseudomonas aeruginosa prepare a sanitzing solution by adding 2.1 to 2.3 ft. to 2. PRACICEANS 6 dissolved in 5 gallors at the control of the contr of water. This will provide 180-200 ppm of peroxyacetic acid. For use against Listeria vegetative microorganisms in reverse osmosis membranes and their monocytogenes prepare a sanitizing solution by adding 2.3 fl. oz. PERACLEAN® 5 associated piping systems due to their construction and/or assembly, dissolved in 5 gallons of water. This will provide 200 ppm of peroxyacetic acid. Use but can be relied upon to reduce the number of microorganisms to immersion, coarse spray or circulation techniques as appropriate to the equipment. All acceptable levels when used as directed. Check with equipment surfaces should be exposed to the sanitizing solution for a period of at least 60 seconds manufacturer for membrane compatibility with PERACLEAN® 5. or more if specified by governing sanitary code. Allow sanitized surfaces to adequately Remove biological or organic fouling from the membrane or other drain before contact with food so that little or no residue remains. Do not rinse.

### SANITIZING, EATING, DRINKING, AND FOOD PREP UTENSILS

Remove gross food particles by a pre-scrape, a pre-flush and, when necessary, a PERACLEAN® 5. Flush the system again with the RO permeate contaminated clothing and wash before reuse Kemove gross rood particles by a pre-soding, a pre-insert and, most most present retainment. Wash with a recommended detergent. Rinse with clean water or similar quality water. Prepare an appropriate volume of 1% Sanitize in a solution of 1.0 to 1.5 if oz PERACLEAN® 5 dissolved in 5 gallons of water. solution of the product (1 gallon of PERACLEAN® 5 to 100 gallons) Immerse all utensils for at least 60 seconds or contact time specified by governing sanitary code. Drain and air dry.

### SANITIZING TABLEWARE

For santizing lableware in low temperature warewashing machines, inject with the dilute solution and allow the solution to reach a minimum PERACLEAN® 5 into the final rinse water at a concentration of 1.0 to 1.5 fl. oz. of 20°C (68°F). Re-circulate the dilute solution of PERACLEAN® 5

PENALEANEE o can be applied as a loam for sanitzation for previously clean, had non-prouts food contact surfaces and general environmental (non-food contact).

SYSTEMS ASSOCIATED WITH RO MEMBRANES. Inches the properties of product for required times advanted carbon filters and in orange cupument. Turn off power applications can be used where penetration and reterition of product for required times. vertical or uneven surfaces

equipment. Allow foam to contact surfaces at least one minute. For foot bath application, allow foam to remain on boot surface for one minute upon exiting the bath. 4 Drain items and or surfaces thoroughly

### ANTIMICROBIAL RINSE OF PRE-CLEANED OR NEW RETURNABLE OR

### NON-RETURNABLE CONTAINERS:

To reduce the fination or interplantingenic beleage sponage digitalists. Including quanty water and re-accuracy relocation of the against Apergillus versicolor[ACC 5977], Dysschlamys fulva [ARCC 10099], until test for residuals indicates there is less then 3 ptm peroxygen. Pedicococus damnosus [ARCC 29358], Lacidosallus buchneri [(ATCC4005)], and Socialromyses cerevisuse [(ATCC40766)].

 Prepare PERACLEAN® 5 solution by adding 31 fl. oz. to 5 gallons potable water. This provides 2,632 ppm peroxyacetic acid.

2.Apply antimicrobial rinse at a temperature of 40°C to 60°C (104°F to 140°F) and allow

# HARD SURFACE DISINFECTION PERACI FAN® 5 disinfects

PERACLEAN® 5 can be used to disinfect floors, walls and other hard PRE-TIES.HIRELY PROOR TO SAMURZATION OF FOOD-CONTRICT SURFACES

Peraclean 5 can be used as a pre-treatment on food contact prior to santization. For fatures, sinks, bed frames, shelves, racks, cards, refigerators use dilute 35 -17.5 ft. oz of PERACLEAN9.5 in 5 gallors of water, this will provide coolest, till earl use sites on this label made from lincleum, vinyl polyethylene), stainless steel, or glass.

p. FOR PERACLEAN® 5 is effective against Staphylococcus aureus daily or Salmonella choleraesuis [(ATCC10708)], Trichophytor mentagrophytes [(ATCC 9533)], and Escherichia coli 0157:H7[(ATCC CaCO3) and 5% fetal bovine serum on hard nonporous surfaces. For wet mop cloth or wet vacuum pickup. Prepare a fresh solution dail or when it becomes soiled or diluted.

When used according to the directions for disinfection, PERACLEAN 5 is specifically designed to disinfect, deodorize and clean inanimate hard, surfaces such as walls, floors, sink tops, and furniture. In addition PERACLEAN® 5 will deodorize those areas which are generally hard to keep smelling fresh such as, garbage storage areas, empty garbage bins and cans, and any other areas which are prone to odors caused by microorganisms.

All treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse.

For heavily soiled areas, a pre-cleaning step is required. Prepare a

membranes and their associated distribution systems.

with RO permeate or similar quality water. Remove mineral deposits with suitable acidic cleaner prior to sanitizing the membranes with ppm hydrogen peroxide. Fill the entire water circuit to be sanitized

# BATCH SANITIZATION (NON FOOD CONTACT SURFACES) OF PIPING

retrical or uneven surfaces.

1. Prepare a dilute PERACLEAN® 5 solution by adding 1.2 to 2.3 fl oz. per 5 gallons volume of 1.0 to 1.5% PERACLEAN® 5 by adding 1.0 to 1.5 gallons to 823 ppm peroxyacetic acid and 2,967 to 4,450 ppm hydrogen 3 Apply the sanitizing solution as a foam using commercially available foam generating peroxide. Re-circulate the dilute PERACLEAN® 5 solution through be opened and closed to expose internals to the PERACLEAN® 5. Completely drain the system of dilute PERACLEAN® 5 solution. Thoroughly rinse the system by filling with RO permeate or similar To reduce the number of non-pathogenic beverage spoilage organisms. Effective quality water and re-circulate before drainage. Repeat the process

# ACCEPTED

May 08, 2018

esticide registered under PA Reg. No. 54289-3

# PERACLEAN ® 5 ®

# (PEROXYACETIC ACID SOLUTION)

PERACLEAN® 5 IS A PEROXYACETIC ACID-BASED SANITIZER/ DISINFECTANT DEVELOPED FOR THE FOLLOWING USES:

Institutional/Industrial Sanitizing of Previously Cleaned Non-Porous Food Contact Surfaces in: Dairies

 Wineries . Food and Beverage Plants Disinfecting Poultry Premises Animal Housing Facilities Reverse Osmosis Membranes and Ultra

Hard Surface Disinfection in: Industrial Facilities Office Buildings Recreational Facilities Retail and Wholesale Establishments

Bacteria, Fungi, and Slime Control in: Pulp and Paper Mill Systems Dispersed Pigments Cooling Water Systems Coatings Preservation Label not for use in California

Active Ingredients Hydrogen Peroxide Peroxyacetic Acid 4 9% Inert Ingredients 68.6%

Net contents as stated on container

EPA Reg No: 54289-3

EPA ESTAB. NO: 70547-IL-001

# Before Using This Product, Please Read This Entire Label Carefully. KEEP OUT OF REACH OF CHILDREN

# FIRST AID

# **DANGER**

If in eyes: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call 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 to 20 minutes. Call poison

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

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

### PRECAUTIONARY STATEMENTS

DANGER. CORROSIVE. Causes irreversible eye damage and skin burns. May be fatal if inhaled or absorbed through the parts of the system with an appropriate cleaner. Flush the system skin. Harmful if swallowed. Do not breathe vapors or spray mist. Do not get in eyes on skin or on clothing. Wear googles and or face shield and rubber gloves when handling. Do not enter an enclosed area without proper respiratory protection. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove PHYSICAL AND CHEMICAL HAZARDS

STRONG OXIDIZING AGENT. Corrosive. Mix only with water. Product must be diluted in accordance with label directions of water). This will provide 549 ppm of peroxyacetic acid and 2,967 prior to use. PERACLEAN® 5 is not combustible; however, at temperatures exceeding 156°F, decomposition occurs releasing oxygen. The oxygen released could initiate combustion. FNVIRONMENTAL HAZARDS

This pesticide is toxic to birds, fish, and aquatic invertebrates. Caution should be used when applying indoors because pets may dy. This will provide 88 to 130 ppm of peroxyacetic acid.

To insure that the PERACLEAND's sanitzer concentitation does not fall below 48 ppm for peroxyacetic acid, period-cally test the rinse solution with a suitable test kit and adjust the dispensing rate accordingly. Consult your bedrings are enviror expresentative for biverting product water to drain can reduce residuals.

In accordance with me requirements or a reasonate 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 US Environmental Protection Agency. the solution for a minimum of 20 minutes. Rinse the RO system and in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting

### STORAGE AND DISPOSAL

Storage and Disposal: Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE: Store in original containers in a cool, well-vented area, away from direct sunlight. Do not allow is difficult to achieve. For example, uses that include operating conveyor belts and to ultraviolet light units. Estimate total volume of water contained in product to become overheated in storage. This may cause increased degradation of the product, which will decrease product the system (tanks, rinse stations and piping). Prepare an appropriate effectiveness. In case of spill, flood area with large quantities of water. Do not store in a manner where cross-contamination with other pesticides or fertilizers could occur.

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2. After preparing the PERACLEAN® 5 solution add 1.2 to 10.0 fl oz. of AGRHO FM2011. AGRHO FM-2011 is the only approved foam-generating additive for use with
permetal or similar quality water for dilution. This will provide 549

water for dilution. This will provide 549

waste disposal facility. Open dumping is prohibited. If wastes cannot be disposed of according to label directions, contact your waste disposal facility. Open dumping is prohibited. If wastes cannot be disposed of according to label directions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for

the system for a minimum of 4 hours. Process usage valves should.

CONTAINER DISPOSAL: Non-refillable container. Do not reuse our refill this container unless the directions for use allow a different (concentrated) product to be diluted in the container.

Containers 5 gallons or greater: Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or mix tank. Fill the container % full with water. Replace and tighten closures. Tight the container on its side and roll it back and forth ensuring at least 1 complete revolution, for 30 seconds. Stand container on its end and tip back and forth several times. Empty rinsate into application equipment, mix tank, or store for disposal. Then offer for recycling, or dispose in a sanitary landfill, or incineration if allowed by state and local authorities by burning



Manufactured by: Evonik Corporation 299 Jefferson Rd Parsippany, New Jersey 07054-0677 CONTINUOUS/INTERMITTENT ADDITION TO MINIMIZE THE ACCUMULATION OF BIOLOGICAL CONTROL OF BACTERIA AND FUNGL IN NON-FOOD

### MATTER BETWEEN INTERMITTENT SANITIZING EPISODES IN PIPING SYSTEMS ASSOCIATED CONTACT DISPERSED PIGMENTS

### WITH RO MEMBRANES

Do Not Use for Any Applications Involving Food or Drinking Water Contact. PERACLEAN® 5, as received or diluted, may be added continuously to the dioxide, calcium carbonate, calcium sulfate, barium sulfate, magnesium feed water system, between system sanitizing episodes, to aid in minimizing silicate and diatomaceous earth used in paint and paper production. Add 0.3 the re-growth/accumulation of biological matter. The peroxygen residual in the to 1.5 lbs. (4.1 to 20.6 fl. oz.) of PERACLEAN® 5 to each 1,000 lbs. of pigment ystem which will be effective will vary with the design and usage characteristics slurry. This will provide 14.6 to 73.5 ppm peroxyacetic acid (300 to 1,500 ppm fithe system. Adjust the addition rate of PERACLEAN® 5 or the solution and PERACLEAN® 5). eriodically monitor residual peroxygen so that the desired effect is obtained. MILL PROCESS WATERS r continuous addition, do not exceed 20 ppm (1 fl. oz. of product per 440 \*Continuous Feed - PERACLEAN® 5 should be fed continuously at allons of water) PERACLEAN® 5. This will give 1 ppm peroxyacetic acid and dosages ranging from 10 to 978 ppm peroxyacetic acid (200 to 20,000 ppm (3 ppm hydrogen peroxide. For intermittent feed, do not exceed 2,000 ppm (23 PERACLEAN® 5). This range is equivalent to 0.4 to 40 lbs. PERACLEAN® 5 oz. of product per 100 gallons of water) PERACLEAN® 5. This will give 100 per ton (dry basis) of pulp or paper produced. m peroxyacetic acid and 530 ppm hydrogen peroxide.

### INFECTION OF POLITTRY PREMISES. TRUCKS, COORS, AND CRATES

### POLITRY HATCHERY DISINFECTION.

emove all poultry and feeds from premises, trucks, coops and crates. Remove feed period. Il litter and droppings from floors, walls and surfaces of facilities occupied or Shock Dose - PERACLEAN® 5 should be shock dosed at dosages ra aversed by poultry. Empty all troughs, racks and other feeding and watering from 98 to 1,956 ppm peroxyacetic acid (2,000 to 40,000 ppm PERACLEAN® ppliances. Thoroughly clean all surfaces with a detergent and rinse with water. urate surfaces with a 0.23% (1.5 fl. oz/5 gal.) solution of PERACLEAN® 5 basis) of pulp or paper produced during the feed period. for a period of 10 minutes. Ventilate buildings, coops and other closed spaces Do not house poultry or employ equipment until treatment has been absorbed, CONTROL OF SLIME FORMING BACTERIA TO COOLING WATER SYSTEMS set or dried. Thoroughly scrub treated feed racks, troughs, automatic feeders, (COOLING TOWERS EVAPORATIVE CONDENSESS). fountains and waterers with a detergent and rinse with potable water before reuse. See your technical representative for specific recommendations for all cleaning and rinsing requirements.

### DISINFECTION AND DEODORIZING OF ANIMAL HOUSING FACILITIES (BARNS, KENNELS,

Do not use in milking stalls, milking parlors, or milk houses (for phenolics, use 0.3 to 1.5 lb. (4.1 to 20.6 fl. oz.) of PERACLEAN® 5 per 1,000 gallors Do not use in milliong stalls, milliong pariors, or trills incurse two purposes of the properties of t and enclosures. Remove nitra, waster named, and grown and surfaces of barns, pens, stalls, chutes and other facilities and fixtures are all the facilities and fixtures are all the facilities and fixtures. and watering equipment. Thoroughly clean all surfaces with detergent and For Treatment of Raw, Unprocessed Fruit and Vegetable Surfaces rinse with water. Saturate surfaces with a 0.23% (1.5 fl. oz./5 gal.) solution of PERACLEAN® 5 can be applied by fogging to control the growth of non-public PERACLEAN® 5 for a period of 10 minutes. Immerse all halters, ropes, and health microorganisms that may cause decay and/or spoilage on raw, postother types of equipment used in handling and restraining animals, as well as harvest fruits and vegetables during the post-harvest process. forks, shovels, and scrapers used for removing litter and manure. Ventilate 1.Ensure room is properly ventilated. Vacate all personnel from room during buildings cars boats and other closed spaces. Do not house livestock or fooging and for a minimum of 2 hours after fooging. Ensure there is no strong employ equipment until treatment has been absorbed, set, or dried. Thoroughly odor characteristic of acetic acid before having personnel return to work area. scrub all treated feed racks, mangers, troughs, automatic feeders, fountains, Do not enter room until hydrogen peroxide concentrations are correctly tested and waterers with soap or detergent, and rinse with potable water before reuse, and are below 1 ppm on a time weighted average.

and non-food contact. PERACLEAN® 5 can be used to control bacteria, fungi, FRUIT AND VEGETABLE WATER TREATMENT and fresh water organisms in paper paperboard or non-woven process water and influent water systems. Suitable dosing points include but are not limited to: stock chests, pulpers, the white water loop and white water storage systems and fungi in water or ice that contacts raw, unprocessed fruits and vegetables and influent water streams.

### TREATMENT FOR NON-POTABLE WATER SYSTEMS (WASH TANKS, DIP TANKS, DRENCH TANKS,

### EVAPORATORS, HUMIDIFICATION SYSTEMS AND/OR STORAGE TANKS)

Treat water containing plant pathogens with 0.56-2.1fl. oz. of PERACLEAN® 5 in the use solution.

### POST HARVEST SPRAY TREATMENTS ON PROCESSAND PACKING LINES

to prevent bacterial and fungal diseases on postharvest fruits and vegetables. at least 45 seconds. Inject at a rate of .06-0.23 fl.oz of concentrate per gallon of clean water. This will 3. The treated produce can be drain dried without a potable water rinse provide 24-100.0 ppm of peroxyacetic acid in the use solution. For best results, where dump tanks are used, make post harvest spray treatment as produce is leaving dump tanks. Applicable for use on all types of post harvest commodities.

dissolved in 5 gallons of water). This will provide 88 to 130 ppm of peroxyacetic campestris (axonopodis) pathovars cirumelo (citrus canker surrogate)

## INFLUENT WATER SYSTEMS

(non-potable use only) at dosages ranging from 10 to 978 ppm peroxyacetic (85-137.2 ppm peroxyacetic acid and 460-742 ppm of hydrogen peroxide) as acid (200 to 20,000 ppm PERACLEAN® 5).

PERACLEAN® 5 can be used in the control of bacteria and fungi in the manufacture and storage of dispersed pigments such as kaolin clay, titanium

\*Intermittent Feed - PERACI FAN® 5 should be fed intermittently (6 to 8 times per day) at dosages ranging from 10 to 978 ppm peroxyacetic acid (200 to 20,000 ppm PERACLEAN® 5). This dosage is equivalent to 0.4 to 40 lbs. PERACLEAN® 5 per ton (dry basis) of pulp or paper produced during the

5). This dosage may be equivalent to 4 to 80 lbs. PERACLEAN® 5 per ton (dry

\*Severely fouled systems should be cleaned before adding the PERACLEAN® 5 solution PERACLEAN® 5 should be added in the system directly and not mixed with any other chemicals or additives. Contamination with other chemicals could result in product decomposition

 Add PERACLEAN® 5 at a point in the system where uniform mixing and even distribution will occur.

2.Fog areas using one quart of a 0.2% solution (3.5 fl. oz. per 16 gallons of For use in the manufacture of paper and paperboard intended for food-contact water) per 1,000 cu. ft. of room volume. Allow surfaces to drain thoroughly

This product may be used to help control spoilage or decay-causing bacteria PERACLEAN® 5 solution as a dip or spray to control the growth of non-public

health microorganisms that may cause decay and/or spoilage on raw, postharvest fruits and vegetables during the post-harvest process. This product can be applied during physical cleaning processes, including at the roller for every 10 gallons of water. This will provide 24 to 85 ppm peroxyacetic acid spreader, washer manifold, dip tank, on the brushes or elsewhere in the post-

1. Prepare dilute solution by diluting 1.12 to 3.5 fl. oz. per 16 gallons of water. This will provide 30 to 100 ppm of peroxyacetic acid.

Inject PERACLEAN® 5 directly into spray, misting, humidification, fogging 2 Apply the diluted solution using a spray directed at the fruits or vegetables. and spray bar system make up system water on process and packing lines or by soaking the fruits or vegetables in the solution. Allow a contact time of

PERACLEAN® 5 can be used to control the spread of citrus canker between inaminate surfaces and inanimate surfaces to plants. This product is for surfaces such as packing house conveyors and harvesting equiptmment and Fixe Suntrain Bottle Rises

PERACLEAN® 5 may be used as a final sanitizing rinse for returnable and noncontainers. This product is not for treatment off of the returnable of the date of the product of the returnable of the ret

Remove gross contamination with a cleaner or suitable detergent and rinse

with potable water. PERACLEAN® 5 should be fed continuously to incoming fresh water streams 2. Use PERACLEAN® 5 at a dilution of 9.9 to 16.0 fl. oz per 50 gallons of water

> a general course spray. 3. Allow to contact surface for at least one minute

4. Allow to air dry, do not rinse.