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

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SEPA United States Environmental Protection Office of Pesticide Programs

Evonik Degussa Corporation 375 Interpace Parkway P.O. Box 677 Parsippany, N. J. 07054-0677 JUN 1 5 2011

Attention: Tiana Rosamila

Subject: Peraclean® 15 EPA Registration No. 54289-4 Amendment Dated January 5, 2011

The amendment, submitted in connection with registration under section 3©(7)(A) of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, to add use for processed fruits and vegetables, to remove all 3M reference and add PET bottle washing, is acceptable, provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3©(5) and sec. 4 uses when the Agency requires all registrants of similar products to submit such data.

2. Under the "Precautionary Statements" section of the proposed label, change "before eating, drinking, using tobacco, or using the toilet" to read "before eating, drinking, chewing gum, using tobacco, or using the toilet."

Add ATCC numbers for all listed microorganisms.

4. Refer to the enclosed copy of the Efficacy Review under "CONCLUSIONS" and "LABELING" for further comments.

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 "accepted" product labeling is enclosed for your records. Submit two (2) copies of final printed labeling before you release the product for shipment.

Page 2 EPA Registration No. 54289-4

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If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely,

Marshall Swindell Product Manager 33 Regulatory Management Branch 1 Antimicrobials Division (7510P)

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Enclosure

<u>Other constructions for use</u> It is a violation of Federal law to use this product in a manner inconsistent

its labeling. SANITIZATION

TE: FOR MECHANICAL OPERATIONS prepared use solution may not be ised for subsequent sanitizing but may be reused for other purposes such eduction of survivors after a 30 second exposure period in the AOAC Sermicidal and Detergent Sanitizing Action of Disinfectants study. SANITIZING FOOD CONTACT SURFACES

effective against Staphylococcus aureus and Escherichia coli.

U.S. Tuto ourse PERACLEAN® 15 discorded in 5 gallons of water (0.053% to addin minimizing the regrowth accumuation of biological matter. The will provide 88 ppm of peroxyacents accumulation of biological matter. The will provide 88 ppm of peroxyacents actumation of the regrowth accumulation of biological matter. The will be fractive will vary with the diution PERACLEAN® 15 stretces spray or diversity accumulation of the system which will be effective will wary with the Estimation. U. S. and the matter accumulation of the system which will be effective will vary with the diution PERACLEAN® 15 stretces spray or diversity or accuration techniques of PERACLEAN® 15 or the solution and periodical matter addition rate as appropriate to the equipment. All surfaces spray or diversition techniques of PERACLEAN® 15 or the solution and periodically montilor residual as appropriate to the equipment. All surfaces stored to the perceypans ot bit the design and using the distingting for the solution and periodically montilor residual as addition; solution for a period of at least 60 seconds or more if specified by do not exceed 7 nom (0.31 fluid numes of eventual new Ath number of accuration solution accuration for a period of at least 60 seconds or more if specified by do not exceed 7 nom (0.31 fluid numes of eventual new Ath number of accuration solution accuration accurated accuration accurated accuration accurated solution, followed by a potable water rinse. Santitize with a concentration of 0.33 fluid ounce PERACLEAN® 15 dissolved in 5 gallons of water (0.053% i/v concentration). This will provide 88 ppm of peroxyacetic acid. At this to sanitizing, remove gross food particles, then wash with a detergent loverning sanitary code. Drain thoroughly. Do not rinse.

a presoak treatment. Wash with a recommended detergent. Rinse with clean water. Sanitize in a solution of 0.33 fluid ounce PERACLEAN® 15 dissolved Remove gross food particles by a prescrape, a preflush and, when necessary, SANITIZING, EATING, DRINKING, AND FOOD PREP UTENSILS

For samitizing tableware in low temperature warewashing machines, inject PERACLEAN® 15 into the final rinse water at a concentration of 0.33 fluid 1 ounce PERACLEAN® 15 dissolved in 5 gallons of water. Do not exceed n 5 gallons of water. Immerse all utensitis for at least 60 seconds or contact time specified by governing sanitary code. Drain and air dry. SANITIZING TABLEWARE

To instant the PERACLEAN® 15 andizer ocid. At dy. To instant the PERACLEAN® 15 and peroxyacetic acid. At dy. To instant the PERACLEAN® 15 and peroxyacetic acid. At dy. This product is one of the person size of water if able to swallow. Do not induce vortifing unless told to do so by a poison control center or ballow 48 ppm peroxyacetic acid. At dy. This product is not preading and cockr. Do not give anything by mouth to an unconsolus person. Call poison control center or accord on the advice. This product is not preading and cockr. To not give anything by mouth to an unconsolus person. Call poison control center or doctor for treatment advice. This product is not breating and the information on animal life science laboratories, industrial facilities, distary areas, office an another monte of the mouth control center or doctor for treatment advice. This product is not treatment advice. This product is not breating and under information on animal life science laboratories, industrial facilities, distary areas, office an another mound admine. This product is not preating the more office the person is marked and preasent advice. This product is not preating to the more office the person is not breathen advice. This product is not preating to the more office the person is marked and the person is not breathen advice. This product is not preating to the more office the person is an advice and the person is not breathen mound admine and the person is not breathen and admine to the more office the person is not be admined to the more advice advice advices industrial facilities, distary areas, office the person is not be advice to the more office the person is not person is not be advice to the person is not person is not be advice to the more office the person is not be advice to the more office to the person is not be adviced to the person is not person to the person to the person of the person to the person

PERACLEAN® 15 may be used as a final santizing rinse for returnable and non-returnable bottles at a 0.053% dilution (0.33 fluid ounce PERACLEAN® 15 dissolved in 5 gallons of water). This will provide 88 ppm of perovyacetic acid.

BATCH SANTIZATION (NON-FOOD CONTACT SURFACES) OF ULTRA FILTRATION

PERACLEAN® 15 can be used for the sanitization of ultra filtration, medical and non-medical institutional/industrial reverse osmosis (RO) membranes AND REVERSE OSMOSIS (RO) MEMBRANES

microorganisms in reverse osmosis membranes and their associated piping systems due to their construction and/or assembly, but can be relied upon reduce the number of microorganisms to acceptable levels when used as This product has been shown to be an effective disinfectant when tested directed. Check with equipment manufacturer for membrane compatibility by AOAC and EPA methods. This product may not eliminate all vegetative and their associated distribution systems. PERACLEAN® 15.

of 20 minutes. Rinse the RO system and test for residuals to ensure that All Remove biological or organic fouling from the membrane or other parts of the system with an appropriate cleaner. Flush the system with RO permeate or similar quality water. Remove mineral deposits with suitable acticit cleaner prior to sanitizing the membranes with PERACLEAN® 15. Flush the system minutes. Allow membrane elements to soak in the solution for a minimum here is less than 3 ppm per oxygen. Diverting product water to drain can

BATCH SANITIZATION (NON-FOOD CONTACT SURFACES) OF PIPING

Isolate incompatible equipment from piping system. This includes activated to accord filters and ion exchange equipment. Turn off over to utraviolet light units. Estimate total volume of water contained in the system (tanks, these stations and piping). Prepare an appropriate volume of 0.33 to 0.5% SYSTEMS ASSOCIATED WITH RO MEMBRANES

teast daily or more often if the solution becomes diluted or solied. FERACLEMB, if 5 pervayable and samilizer is recommended for use 1/32 ppm hydrogen perioxye. Recruited the PERACLEAN® if 5 on predeamed surfacers such as equipment pipelines, varia, mers, solution through the system for a minimum of 4 hours. Process usage values events event as equipment in dailes, break-files, solution through the system for a minimum of 4 hours. Process usage values events event as equipment in dailes, break-files, solution through the system for a minimum of 4 hours. Process usage values events event as equipment in dailes, break-files, solution through the system for a minimum of 4 hours. as deaning. FOR MANUAL OPERATIONS fresh sanitizing solutions should be prepared 100 gallons of solution prepared. Use RO permeate or similar quality vate whereles, beverage and food processing/packing plants, egg processing. Completely drain the system of diule PERACLEAN® 15 solution. Thoroughly acking equipment surfaces: and eading edisplantments. This product is rinse the system by filling with RO permeate or similar quality waller and affective as a samiface when solution is prepared in water of up to 400 ppm resclutate before drainage. Repeat the process until test for residual readiness as CaCOJ. This product has demonstrated green than a 8999% indicates there is less then 3 ppm provypen.

CONTINUOUS/INTERMITTENT ADDITION TO MINIMIZE THE ACCUMULATION OF

PIPING SYSTEMS ASSOCIATED WITH RO MEMBRANES (NON-FOOD CONTACT BIOLOGICAL MATTER BETWEEN INTERMITTENT SAMITIZING EPISODES IN

continuously to the feed water system, between system sanitizing episodes, do not exceed 7 ppm (0.33 fluid ounce of product per 440 gallons of water) PERACLEAND 15. This will give 1 ppm peroxyacetic acid and 1.4 ppm hydrogen percave. For intermittent feed, do not exceed 750 ppm (8.5 fluid ounces of product per 100 gallons of water) PERACLEAND 15. This will surraces)PERACLEAN® 15, as received or diluted, may be added give 110 ppm peroxyacetic acid and 160 ppm hydrogen peroxide

Haro Surerace Disinfection PERACLEAN® 15 disinfects as it cleans in one operation. PERACLEAN® 15 can be used to disinfect floors, walls and other hard nonporous surfaces such as tables, chairs, countertops, bathroom fixtures, sinks, bed frames, shelves, racks, carts, refrigerators, coolers, glazed tile, linoleum, vinyl, non-

which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to preclean or decontaminate critical level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but semi-critical medical devices prior to sterilization or high level disinfection. ъ

COMBINATION DISINFECTION AND CLEANING

PERACLEAN® 15 is effective against Staphylococcus aureus, Safmonella choleraestus, Pseudomonas aeruginosa, Trichophyton mentagrophytes, and escherchia coli POSY-H7 at 0.00% (0.5. fto. 55 gad.) in lard water (40 ppm as CaCO3) and 5% fetal bovine serum on hard monporous surfaces. For heavily solled areas a pre-cleaning step is required. Apply solution with mop. solution and entrapped soll with a clean wet mop, cloth, or wet vacuum pickup. Prepare a fresh solution daily or when it becomes solied or diluted. PERACLEAN® 15 is designed for use in animal hospitals, animal laboratories, cloth, sponge, brush, scrubber, or coarse spray device, or by soaking so as to all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove agiain with the RC permeate or similar quality water. Prepare an appropriate hatcheries, and livestock quarters. When used as directed, PERACLEAN® volume of 1% solution of the product (0.33 gallon of PERACLEAN® 15 to 15 is specifically designed to disinfect, deodorize and clean inanimate, hard, 100 gallons of water). This will provide S6 part of perovpacetic add and surfaces such as walls, how sith two, thermiture, operating tables, kennel 834 ppm hydrogen peroxide. Fill the entire water circuit to be santized with nuns, cages, and feeding and watering equipment. In addition PERACLEAN® the diute solution and allow the solution to reach a minimum of 20°C (9FF). Its will deodorize those areas which are generally hard to keep smaller, for a minimum of 10° cuch as gradeed such and and the diute solution and allow the solution of PERACLEAN® Recirculate the dilute solution of PERACLEAN® 15 for a minimum of 10° cuch as garbage storage areas, empty garbage bins and cans, and endored and any other kennels, pet shops, zoos, pet animal quarters, poultry premises, poultry such as garbage storage areas, empty garbage bins and cans, and any other areas which are prone to odors caused by microorganisms.

heavily solled areas, a pre-cleaning step is required. Prepare a fresh treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse.

educe residuals

G EVOILK

PERACLEAN® 15 IS A PEROXYACETIC ACID-BASED PERACLEAN ® 15 © PEROXYACETIC ACID SOLUTION)

SANITIZER/DISINFECTANT DEVELOPED FOR THE FOLLOWING USES:

	Institutional/Industrial	Hard Surface Disinfection Bacteria, Fungi,	Bacteria, Fungi,	Active Ingredients:
0	Sanitizing of Previously	ü	and Slime	
s	Cleaned Non-Porous	•Hospitals	Control in:	Hydrogen Peroxide 2
10	Food Contact Surfaces in:	 Health Care Facilities 	•Pulp and Paper	Peroxyacetic Acid 1
N	•Dairies	•Schools	Mill Systems	Inert Ingredients: 6
P	•Wineries	Colleges	 Dispersed Pigments 	
5	•Breweries	 Veterinary Clinics 	 Cooling Water Systems 	Total: 10
	 Food and Beverage Plants 	 Animal Life Science Laboratories 	 Coatings Preservation 	Net contents as stated
	 Disinfecting Poultry Premises 	 Industrial Facilities 		on container
	 Poultry Hatcheries 	Office Buildings		
	 Animal Housing Facilities 	 Recreational Facilities 		EPA Reg No: 5428
	 Reverse Osmosis Membranes 	 Retail and Wholesale 		EPA ESTAB.
	and Ultra Filtration	Establishments		70253-CA-002,
				70547-II -004

Before Using This Product, Please Read This Entire Label Carefully.

KEEP OUT OF REACH OF CHILDREN DANGER

Label not for use in California

FIRST AID

If in eyes: Hold eye open and rinse stowly and gantly 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 dothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call poison control

DANGER. CORROSIVE. Causes irreversible eye damage and skin burns. May be tatal if inhaled or absorbed through the skin. Harmful if swallowed. Do not breathe vapors or spray mist. Do not get in eyes on skin or on clothing. Wear goggles and/or face shield and rubber glowes when handling. Do not enter an enclosed area without proper respiratory protection. Wash thoroughly with scap and water after handling and before eating, diming, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse. PHYSICAL AND CHEMICAL HAZARDS

STRONS OXDIZING AGENT. Corrosive. Mix only with water. Product must be diluted in accordance with label directions prior to use. PERACLEAN® 15 is not combusible; however, at temperatures exceeding 156*F, decomposition occurs releasing oxygen. The oxygen sed could initiate combustion.

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NOES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge **autent** (of Man **18**, product to sever systems without previously notifying the local sevage transmitting prior to discharge **autent** or a state fragmant to sever systems without previously notifying the local sevage transmitting prior to discharge **autent** or a state fragmant to sever systems without previously notifying the local sevage transmitting prior to discharge **autent** or a state fragmant or a sever systems without previously notifying the local sevage transmitting prior to discharge **autent** or a strategory of Regional Office of the US Environmental Protection Agency. side is toxic to birds, fish, and aquatic invertebrates. Caution should be used when applying indoors because pels may be at risk.

EPA Letter Dated:

JUN 1 5 201

registered under EPA Reg. No. 54389-4 Functicide, and Rodenticide Act as Under the Federal Insecticide, amended, for the pesticide,

TRI DISINFECTION OF POULTRY PREMISES.

rinse with water. Saturate surfaces with a 0.09% (0. of PERACLEAN® 15 for a period of 10 minutes. Ve and other closed spaces. Do not house poulty or t treatment has been absorbed, set or dried. Thorout racks, troughs, automatic feeders, fountains and war and rinse with potable water before reuse. See your t Remove all littler and droppings from floors, walls ar for specific recommendations for all cleaning and rins occupied or traversed by poultry. Empty all troughs, and watering appliances. Thoroughly clean all surfa POULTRY HATCHERY DISINFECTION Remove all poulity and feeds from 22.0% 15.0% 63.0%

other feeding and watering equipment. Thoroughly of detergent and rinse with water. Saturate surfaces wit gat) solution of PERACLEAN® 15 for a period of 10 halters, ropes, and other types of equipment used in h house livestock or employ equipment until treatmer set, or dried. Thoroughly scrub all treated feed rat automatic feeders, fountains, and waterers with soap Do not use in milking stalls, milking parlors, or milk cresplic acid, and pine oils). Remove animals an vehicles, and enclosures. Remove litter, waste matte floors, walls and surfaces of barns, pens, stalls, chu DISINFECTION AND DEODORIZING OF ANIMAL HOUSIN and fixtures occupied or traversed by animals. Emp animals, as well as forks, shovels, and scrapers use manure. Ventilate buildings, cars, boats, and other KENNELS, HUTCHES, ETC.)

94 NO:

Eon Santrizine of Hatching Eggs Prepare a solution of PERACLEAN® 15 by dilu PERACLEAN® 15 with 5 gallons of water. As eggs i potable water before reuse.

setting, apply solution as a coarse spray so as to light NOTE: This product at its use dilution is compatible. aluminum surfaces. If product is intended to be use it is recommended that you apply product to a smalle compatibility before proceeding with its use.

product can be applied during physical cleaning proc roller spreader, washer manifold, dip tank, on the br 1. Prepare treating solution by diluting 1 fluid ounces pr FOR TREATMENT OF RAW. UNPROCESSED FRUIT AND PERACLEAN® 15 can be applied as a dip or spray the washing process prior to, simultaneously with or a of non-public health microorganisms that may causi on raw, post-harvest fruits and vegetables during the water. This will provide 85 ppm peroxyacetic acid

2. Apply the diluted sanitizer solution using a coarse sp or vegetables, or by soaking the fruits and vegetables

The treated produce can be drain dried without a po 4.Do not reuse solution after treatment. act time of at least 45 seconds.

FOR THE TREATMENT OF PROCESSED FRUITS AND VE PROCESS WATERS TO CONTROL GROWTH OF NON-PU

.Prepare treating solution by diluting 1.5 fluid oun potable water. This will provide 80 ppm peroxyaci **MICRORGANISMS THAT CAN CAUSE SPOILAGE**

of at least 45 seconds. No rinse following application complies with the requirements of 21 CFR173.315 (a 3.The treated produce can be drain dried without a po 2. Apply the diluted sanitizer solution as a spray or di . Do not reuse solution after treatment.

Evonik Degussa Corporation 379 Interpace Parkway, P.O. Box 677 Parsippany, New Jersey 07054-0677 Manufactured by:

(NON-FOOD CONTACT SURFACES) OF PIPING

equipment from piping system. This includes activated to exchange equipment. Turn off power to ultraviolet is total volume of water contained in the system (tarks, along). Prepare an appropriate volume of 0.33 to 0.5% by adding 0.33 to 0.5 galoons of the product for every tion prepared. Use RO permeate or similar quality water provide 554 to 840 ppm peroxyacetic acid and 813 to peroxide. Recirculate the dilute PERACLEAN® 15 ED WITH RO MEMBRANES

stem for a minimum of 4 hours. Process usage valves to closed to expose internals to the PERACLEAN® 15. vstem of dilute PERACLEAN® 15 solution. Thoroughly filling with RO permeate or similar quality water and ainage. Repeat the process until test for residuals

AITTENT ADDITION TO MINIMZE THE ACCUMULATION OF is then 3 ppm peroxygen.

R BETWEEN INTERMITTENT SAMITIZING EPISODES IN

SSOCIATED WITH RO MEMBRANES (NON-FOOD CONTACT EANO 15, as received or diluted, may be added

The desired effect is obtained. For continuous addition, m (0.33 fluid ounce of product per 440 galaons of vater) This will give 1 ppm peroxyacetic acid and 1.4 ppm For inhermittent feed, do not exceed 750 ppm (3.5 fluid cer 100 gallons of vater) PERACLEANO 15. This will feed water system, between system sanitizing episodes the regrowth accumulation of biological matter. The in the system which we effective with the ranzdentistics of the system. Adjust the addition rate 15 or the solution and periodically montion residual

syacetic acid and 160 ppm hydrogen peroxide

NFECTION

infects as it cleans in one operation. PERACLEAND infect floors, walls and other hard nonporous surfaces

ousekeeping services; physical therapy departments; posy facilities. Also, use PERACLEMD 51 in nursing rocare facilities, schools, colleges, velverinary clinics; laborationes, industila facilities, delary areas, office af facilities, retail and wholesale establishments. itals: PERACLEANO 15 may be used for surgical and s not to be used as a terminal sterilant/high ant on any surface or instrument that (1) is ectly into the human body, either into or in he bloodstream or normally sterile areas of contacts intact mucous membranes but ordinarity penetrate the blood barrier or normally sterile areas of the body. This used to precise nor decontaminate critical medical devices prior to sterilization or

released could initiate combustion.

is effective against Staphylococcus aureus, Salmonella udomonas aeruginosa, Trichophyton mentagrophytes, and 157.H7 at 0.08% (0.5 ft, oz.15 gal.) in hard water (400 ppm % fetal bovine serum on hard nonporous surfaces. For h, scrubber, or coarse spray device, or by soaking so as to proughly. Allow to remain wet for 10 minutes, then remove s a pre-cleaning step is required. Apply solution with mop. bed soil with a clean wet mop, cloth, or wet vacuum is designed for use in animal hospitals, animal laboratories, is, zoos, pet animal quarkes, poultry pernises, poultry estock quarkes. When used as directed, PERACLEAM® esigned to disinfex, deototrae and clean inaminale, haur, valis, floors, sink tops, furniture, operating tables, kenne eding and watering equipment. In addition PERACLEAND ose areas which are generally hard to keep smelling fresh areas, empty garbage bins and cans, and any other that will contact food, feed, or drinking water must be ish solution daily or when it becomes solied or diluted FECTION AND CLEANING

areas, a pre-cleaning step is required. Prepare a frest

PERACLEAN® 15 IS A PEROXYACETIC ACID-BASED PERACLEAN ® 15 © (PEROXYACETIC ACID SOLUTION)

SANITIZER/DISINFECTANT DEVELOPED FOR THE FOLLOWING USES:

Institutional/Industrial	Hard Surface Disinfection Bacteria, Fungi,	Bacteria, Fungi,	Active Ingredients:	
Sanitizing of Previously Cleaned Non-Porous	in: •Hosnitals	and Slime Control in:	Hvdrogen Peroxide	22.0%
Food Contact Surfaces in:	-Health Care Facilities	-Pulp and Paper	Peroxyacetic Acid	15.0%
•Dairies	•Schools	Mill Systems	Inert Ingredients:	63.0%
•Wineries	•Colleges	 Dispersed Pigments 		1
•Breweries	 Veterinary Clinics 	 Cooling Water Systems 	Total:	100%
 Food and Beverage Plants 	 Animal Life Science Laboratories 	 Coatings Preservation 	Net contents as stated	P
Disinfecting Poultry Premises	 Industrial Facilities 		on container	
 Poultry Hatcheries 	Office Buildings			
 Animal Housing Facilities 	 Recreational Facilities 		EPA Reg No: 54289-4	289-4
-Reverse Osmosis Membranes	•Retail and Wholesale		EPA ESTAB.	:ON
and Ultra Filtration	Establishments		70253-CA-002,	
			70547.11.001	

Before Using This Product, Please Read This Entire Label Carefully.

KEEP OUT OF REACH OF CHILDREN DANGER

Label not for use in California

FIRST AID

sinfect floors, walls and other hard nonporous surfaces. 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 s, countertops, bathroom fixtures, sinks, bed frames, minutes, then continue rinsing eye. Call poison control center or doctor for treatment advice. refrigerations, coolers, glazzed tile, linoleum, vinyl, non- If on skin or dothing. Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call poison control ish, plastic (such as polypropylene and polyethytene), center or doctor for treatment advice. stain, plastic (such as polypropylene and polyethylene),

water before reuse.

Evonik Degussa Corporation 379 Interpace Parkway, P.O. Box 677 Manufactured by: **EVONIK**

amended, for the pesticide, registered under EPA Reg. No. 54389-4

Functicide, and Rodenticide Act as

Under the Federal Insecticide,

EPA Letter Dated

JUN 15 2011

OMR

DISINFECTION OF POULTRY PREMISES, TRUCKS, COOPS AND CRATES

POULTRY HATCHERY DISINFECTION

Remove all fitter and droppings from floors, walls and surfaces of facilities water systems. Suitable dosing points include but are not limited to: stoo occupient or traversed by poulity. Empty all troughs, racks and other feeding influent water stores. By more than the water storage systems an occupient or traversed by poulity. Empty all troughs, racks and other feeding influent water stores. When water storage systems and intext with water. Saturate surfaces with a object of to 2.15 gal, souldon is of her chemicals could result in product decomposition. Fines with water. Saturate surfaces with a object in contamination with other chemicals could result in product decomposition. of PERACLEAN® 15 for a period of 10 minutes. Verifiele buildings, coust with other chemicals could result in product decomposition. and other dosed spaces. Do not house poulity or employ equipment until of the other dosed spaces. Do not house poulity or employ equipment until tacks, troughs, automatic feeders, fountains and waterers with a delergent and other dosed spaces. Do not house poulity or employ equipment until tacks, troughs, automatic feeders, foundaries and waterers with a delergent of the with podble water before reuse. See your elengent for specific recommendations for all cleaning and rinsing requirements. Remove all poultry and feeds from premises, trucks, coops and crates.

DISINFECTION AND DEODORIZING OF ANIMAL HOUSING FACILITIES (BARNS.

(ENNELS, HUTCHES, ETC.) Do not use in mi

On the initial parals, run, notices (up previous) for 0500 pm PERACEAN® 15), repeated and pre-out-out the factor previous and factor previous for the continuous) at an enclosures. Remove attracts and factor previous for the continuous) at an enclosures. Remove attracts and factors with an attract with the continuous) at the continuous) at the continuous and enclosures. Remove attracts and docages ranging from 10 to 975 ppm peroxyacetic acid (65 to 6500 ppm defending and water). Sectures the set of the continuous) at an enclosures attracts with a strates with a PERACLEAN® 15, This range is equivalent to 0.13 to 13 lus. PERACLEAN® 15, This range is equivalent to 0.13 to 13 lus. PERACLEAN® 15, this range is equipment. Throughly clean at attracts with a PERACLEAN® 15, This range is equipment to 13 to 13 lus. PERACLEAN® 15, this range is equipment to 13 to 13 lus. PERACLEAN® 15, this range is equipment to 13 to 13 lus. PERACLEAN® 15, the range is equipment to 0.13 to 13 lus. PERACLEAN® 15, the percending and water) and water statures with water. Scatures surfaces with a 0.05% (0.5 fl. oz.5 is 500 ppm PERACLEAN® 15, the range is equipment to 0.13 to 13 lus. This range is equipment with water statures and other types. The REACLEAN® 15, the range is equipment to 0.13 to 13 lus. PERACLEAN® 15, the range is equipment to 0.13 to 13 lus. PERACLEAN® 15, the range is equipment to 0.13 to 13 lus. PERACLEAN® 15, the range is equipment to 0.13 to 13 lus. PERACLEAN® 15, the range is equipment to 0.13 to 13 lus. PERACLEAN® 15, the range is equipment to 0.13 to 13 lus. PERACLEAN® 15, the range is equipment to 0.13 to 13 lus. PERACLEAN® 15, the range is equipment to 0.13 to 13 lus. PERACLEAN® 15, the range is equipment to 0.13 to 13 lus. PERACLEAN® 15, the range is equipment to 0.13 to 13 lus. PERACLEAN® 15, the range is equivalent to 0.13 to 13 lus. PERACLEAN® 15, the range is equivalent to 0.13 to 13 lus. PERACLEAN® 15, the range is equivalent to 0.13 to 13 lus. PERACLEAN® 15, the range is equivalent to 0.13 to 13 lus. PERACLE king stalls, milking partors, or milk houses (for phenolics, with potable water before reuse

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 PERACLEAN® 15 by diluting 0.33 fluid ounce CONTACT DISPERSED PIGMENTS minutes, then continue rinsing eye. Call poisson control center of doctor for treatment advice. If on skin or dothing: Take off contaminated dothing. Rinse skin immediately with pienty of water for 30 minutes. Call poisson control of bacteria and fung in the minutes, then continue rinsing eye. Call poisson control of bacteria and fung in the minutes, then continue rinsing eye. Call poisson control of bacteria and fung in the formation of the contaminated dothing. Rinse skin immediately with pienty of water for 15 to 20 minutes. Call poisson control events of contaminated dothing, and contaminated dothing. Rinse skin and and store advices and store advices advices and store advices advices and store advices advices and store advices and store advices advices and advices and advices advices and advices advices and advices advi For Switzinko of Harchinka Eacs Prepare a solution of PERACLEAN® 15 by diluting 0.33 fluid ounce PERACLEAN® 15 with 5 gallons of water. As eages are gathered or prior to

of non-public health microorganisms that may cause decay and/or spokage on raw, post-harvest fruits and vegetables during the washing process. This profest can be provided can be applied during physical deaning processes, including at the collect can be applied during physical deaning processes, including at the collect can be applied during physical deaning processes, including at the collect can be applied during physical deaning processes, including at the collect can be applied during physical deaning processes, including at the collect can be applied during processes, including at the collect can be added in the system directly and 1. Frepare reading solution by diluting 1 fluid ounces per 1. 25 ppm hydrogen control. Coll CALDING TOWING and the added in the system directly and water. This will provide 35 ppm percargacetic add and 125 ppm hydrogen control. Coll CALDING ADDING ADDING ADDING ADDING ADDING CONTROL. Ear Treatment of Raw, Unrecocssed Fruitt and Vecetable Supraces PERACLEAN® 15 can be applied as a dip or spray to control the growth DANGER. CORROSIVE: Causes inversible and skin burns. May be fatal if inhaled or absorbed through the skin. Harmful if swallowed. Do not breathe vapors or spray mist. Do not get in eyes on skin or on clothing. Wear gogges and/or face shield and rubber gloves when handling. Do not enters an and and shout proper respiratory protection. Wash throoughly with scap and water after handling and before eating, drinking, using tobacco or using the ballet. Remove contaminated clothing and wash before reuse. PHYSICAL AND CHEMICAL HAZARDS

mucosal damage may contraindicate the use of gastric lavage.

PRECAUTIONARY STATEMENTS

Note to Physician: Pro

2. Apply the diluted sanitizer solution using a coarse spray directed at the fruits or vegetables or by soaking the fruits and vegetables in the solution. Allow a STRONG OXDIZING AGENT. Conseive. Mix only with water. Product must be diluted in accordance with label directions prior to use. PERACLEAN® 15 is not combustible; however, at temperatures exceeding 156°F, decomposition occurs releasing oxygen. The oxygen

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.

FOR THE TREATMENT OF PROCESSED FRUITS AND VEGETABLES AND PROCESS WATERS TO CONTROL GROWTH OF NON-PUBLIC HEALTH ENVIRONMENTAL HAZARDS This pesticide is load: to birds, fish, and aquatic invertedrates. Caution should be used when applying indoors because pets may be at risk. This pesticide is load: to birds, fish, and aquatic invertedrates. Caution should be used when applying indoors because pets may be at risk. To not discharge entiment containing this product into lakes, streams, ponds, estuartes, coares, or other waters unless in accordance with the equirements of a National Pollutant Discharge Entimited on System (NPDES) permit and the permitting the toral sewage treatment plant authority. For guidance contact your state flags to cheaped of the US Environmental Protection Agency. Writin Direct of the US Environmental Protection Agency.

MICRORGANISMS THAT CAN CAUSE SPOILAGE

1. Prepare treating solution by diluting 1.5 fluid ounces per 25 gallons of potable water. This will provide 80 ppm peroxyacetic acid and 117 ppm

2.Apply the diluted santizer solution as a spray or dip. Allow a contact time of at least 45 seconds. No rinse following application is required. This use complies with the requirements of 21 CFR173.315 (a) 5 3. The treated produce can be drain dried without a potable water rinse. 4.Do not reuse solution after treatment.

BIFOULING CONTROL IN PULP AND PAPERANLL SYSTEMS For use in the manufacture of paper and paperboard intended for foodcontact and non-food contact.

PERACLEANS 15 can be used to control bacteria, fungi, and fresh water organisms in paper, paperboard, or nonwoven process water and influent

walter systems. Suitable dosing points include but are not limited to: stock chests, pulpers, the white water loop and white water storage systems and

•Add PERACLEAN® 15 at a point in the system where uniform mixing and

-Use 0.1 to 0.5 lb. (1.4 to 6.85 fl. oz.) of PERACLEAN® 15 per 1000 gallons of solution as a continuous or intermittent stug treatment. This will provide 1.8 to 9 ppm peroxyacetic acid (12 to 60 ppm PERACLEAN® 15). Repeat treatment

NFLUENT WATER SYSTEMS.

PERACLEANOD 15 should be fed continuously to incorning fresh water streams (nonpotable use only) at dosages ranging from 10 to 975 ppm peroxyacetic acid (65 to 6500 ppm PERACLEANOD 15).

CONTROL OF BACTERIA AND FUNGI IN NON-FOOD (dry basis) of pulp or paper produced.

CONTROL OF SLIME FORMING BACTERIA IN COOLING

CONTROL OF BACTERIA AND FUNGI IN COATING

PRESERVATION Not for use in manufacture of material intended for food contact. Not for use in manufacture of material intended for food contact. PERACLEAN® 15 can be used as an in-container preservative for the control of bacteria and fung in water-based coaffings with as page coaffings. Other is the (1,4 to 6,86 ft, cz) of PERACLEAN® 15 to e 00 tbs.

ANTIMICROBIAL KINSE OF PRE-CLEANED OR NEW RETURNABLE OR of preservative. This will provide 15 to 75 ppm peroxyacetic ar ppm PERACLEAND 15). 00000

NON-RETURNALE CONTAINERS:

To reduce the number of non-pathogenic beverage spoilage organisms. Effectiva agains/ Aspergillus versioolog, Asysochlamys fulva, Pediococous damnosus, cactobocillus buchmort, and Saccharomyces cerevisiae. 1. Prepare PERACLEAN® 15 solution by adding 9.85 fl. oz. to 5 galons

2. Apply antimicrobial rinse at a terrapore ture of 40°C to 60°C (104°F to 140°F) and allow eminimum seven-second contact period. 3.Allow containers to drain thoroughly, and then rinse with sterile or potable potable water. This provides 2,632 ppm pernxyacetic acid.

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