10/30/2007

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U.S. ENVIRONMENTAL PROTECTION AGENCY

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

EPA	Reg.
Numb	er.

Date of Issuance:

74321-2

OCT 3 0 2007

Washington, D.C. 20460	Term of Issuance:	
	Conditional	
NOTICE OF PESTICIDE: x Registration Reregistration	Name of Pesticide Product:	

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Spicer Randolph LLC 1216 N 155th Street Basehor, KS 66007

EPA Form 8570-6

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 conditionally registered in accordance with FIFRA sec 3(c)(7)(A) 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. 74321-2".

Signature of Approving Official:	Date:
Emily Mitchell Emily Mitchell Product Manager Team-32 Regulatory Management Branch II Antimicrobials Division (7510P)	OCT 3 0 2007

b. The AOAC Germicidal and Detergent Sanitizers Method or AOAC Available Chlorine Germicidal Equivalent Concentration Method data must be submitted as this product falls outside of the range specified in the 1986 Re-registration Standard (see attached efficacy review). The following use sites have been removed from the label until data/citation has been provided to support the claims:

Disinfection of Drinking Water (Emergency/Public/Individual Systems)
Emergency Disinfection after Floods (Wells, Reservoirs, Basins, etc.)
Emergency Disinfection after Fires (for water supplies)
Emergency Disinfection after Droughts (for water supplies & shipped waters)
Emergency Disinfection after Main Breaks
Cooling Tower/Evaporative Condenser Water

3. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

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.

Sincerely,

Emily Mitchell

Product Manager 32

Regulatory Branch II

Antimicrobials Division (7510C)

Enclosures: (Stamped Label and Efficacy Review)

RE-Ox® Deposit Control Disinfectant

Disinfectant, Sanitizer and Cleaner

Active Ingredient:	
Sodium Hypochlorite	0.05%
Other Ingredients	99.95%
Total	100.00%
10idi	
Koon Out of Beach of Children	

Keep Out of Reach of Children

EPA Reg. No. 74321-___ EPA Est. _74321-___

Net Contents: ____ gallons

Spicer Randolph LLC 1216 N 155th St. Basehor, KS 66007

No Precautionary Language Is Required On This Label Due To The Fact That All Routes Of Exposure Have Been Tested At Toxicity Category IV

ACCEPTED
with COMMENTS
- EPA Letter Dated:

OCT 3 0 2007

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 74321-2

. sical or Chemical Hazards

Do not use this product with acids or ammonia.

{For product packaged in containers 5 gallons or larger:}

Environmental Hazards

This product is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your state water board or regional office of the EPA.

DIRECTIONS FOR USE

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

RE-Ox is to be added to water to remove and prevent scales, residues and other deposits from forming in piping, equipment and condensing loops. RE-Ox disinfects precleaned equipment, floors, walls, drains and other hard, non-porous environmental surfaces and is effective as a sanitizing rinse of previously cleaned surfaces. RE-Ox disinfects against gramnegative and gram-positive organisms [pathogens] such as Salmonella enterica serovar Choleraesuis (ATCC 10708), Staphylococcus aureus (ATCC 6538), Pseudomonas aeruginosa (ATCC 15442). RE-Ox is a sanitizing rinse against Staphylococcus aureus (ATCC 6538) and Salmonella enterica serovar Choleraesuis (ATCC 10708) or similar.

Free Available Chlorine (FAC) Dilution

Required FAC (ppm)	Amount of RE-Ox added to 10 gallons of water	
. 20	54 ounces	
25	68 ounces	
50	1.2 gallon	
100	2.5 gallons	
200	6.7 gallons	
250	10 gallons	

For Use in Non-Potable Process Water

Add RE-Ox to water to achieve the free available chlorine (FAC) levels as directed above. Verify the FAC levels with a suitable FAC test kit. Clean equipment/surfaces with potable water prior to application of RE-Ox-water solutions.

Disinfection of Hard, Non-porous Environmental Surfaces:

Use RE-Ox in homes and other domestic dwelling places, commercial, industrial and institutional establishments such as hospitals and other health-care/medical facilities, schools and other educational facilities, daycare and elder-care facilities, food processing/preparation/storage facilities, airports and other transportation facilities and offices. Use RE-OX to disinfect hard, non-porous environmental surfaces such as floors, walls, showers, bathtubs, toilet seats/rims/lids/bases, sinks, fixtures, cabinets, counters, countertops, door knobs, telephones, tables, chairs, etc. which are those made of stainless steel, chrome, glass, vinyl, glazed porcelain, non-porous plastics, enamel and glazed tile.

Prior to disinfection, thoroughly clean all surfaces/objects making sure to remove all gross filth or heavy soil. To disinfect surfaces/objects, use this product as is (no dilution required) and apply by sponge, mop or spray making sure to thoroughly wet all surfaces/objects. Allow RE-Ox to remain on surfaces/objects for 5 minute prior to wiping with a clean cloth or paper towel, or simply allow surfaces/objects to air dry. Alternatively, RE-Ox can be diluted 1:2 with water and used in the same manner but with 10 minutes of contact time.

RE-OX Label: Page 3 of 6

San. __ation of Food-Contact Surfaces

Use RE-Ox in public eating establishments (such as restaurants, cafeterias, bars, taverns), dairies and food processing plants to sanitize hard, non-porous food contact surfaces as identified below. Use a mop, sponge, cloth, low pressure coarse sprayer or hand-pump trigger sprayer to apply RE-Ox.

Prior to application, remove all gross food particles and soil from surfaces that are to be sanitized, by a pre-flush, pre-soak or pre-scrape and when necessary, pre-soak treatment. Thoroughly wash or flush surfaces with a good detergent followed by a potable water rinse before applying this product.

To sanitize fixed items such as tanks, finished wood or plastic chopping blocks, food process equipment (grinders, slicers, choppers), food work areas, finished wood or plastic tables, appliances and countertops, thoroughly wet surfaces and allow items to remain wet for at least one minute. Allow surfaces to drain wet and air dry. Do not rinse or wipe treated surfaces/objects.

To sanitize mobile items such as drinking glasses, cookware, dishware and eating utensils, completely immerse items in RE-OX for at least one minute or longer if specified by local government sanitary code. Place sanitized items on a rack or drain board to air dry. Do not rinse or wipe.

To sanitize food contact surfaces in public eating establishments, dairy-processing equipment and food-processing equipment and utensils regulated under 40 CFR § 180.940, completely immerse articles in RE-Ox for at least one minute. Remove immersed items from solution to drain and then let air dry. Thoroughly wet articles too large for immersion by rinsing, spraying or swabbing and allow to drain, then air dry.

Egg Sanitization

Thoroughly clean all eggs. Spray a warm (not over 130°F) 250 ppm FAC solution to thoroughly wet eggs. Allow the eggs the dry before casing or breaking. Do not rinse eggs with potable water. No not reuse solution to sanitize eggs.

Fruit and Vegetable Washing

Thoroughly clean all fruits and vegetables in a wash tank. In a second recirculating wash tank, prepare a solution of 25 ppm FAC. Submerge fruit and/or vegetables for 2 minutes the second tank. Spray rinse vegetables with the sanitizing solution prior to packaging. Rinse fruit with RE-OX-treated potable water only prior to packaging.

Sanitization of Non-Porous Food Contact Surfaces:

Rinse Method: Rinse with a 100 ppm FAC (1:4 dilution of product) solution of RE-Ox. Confirm FAC with on-site chlorine test. Allow solution to contact surfaces for at least one minute. Test, and periodically adjust the FAC content as necessary, to ensure that the FAC does not fall below 50 ppm. Do not soak overnight and do not rinse treated surfaces.

Immersion Method: Immerse equipment with a 100 ppm FAC (1:4 dilution of product) solution of RE-Ox. Confirm FAC with on-site chlorine test. Allow solution to contact surfaces for at least one minute. Test, and periodically adjust the FAC content as necessary, to ensure that the FAC does not fall below 50 ppm. Do not soak overnight and do not rinse treated surfaces. Do not rinse surfaces; allow solution to drain and air dry.

Flow/Pressure Method: Disassemble, clean and reassemble equipment prior to sanitization. Pump a solution containing 100 ppm FAC (1:4 dilution of product) solution of RE-Ox. Confirm FAC with on-site chlorine test. Allow solution to contact surfaces for at least one minute. Test, and periodically adjust the FAC content as necessary, to ensure that the FAC does not fall below 50 ppm until full flow is achieved at all extremities, the system is completely filled with sanitizing solution and all air is removed from the system. Close drain valves and hold under pressure for at least one minute to ensure contact with all internal surfaces. Test solution from drain valve; if effluent contains less than 50 ppm, repeat entire cleaning/sanitizing process.

Clean in Place Method: Clean equipment after use and prior to sanitization. Pump a solution containing 100 ppm FAC (1:4 dilution of product) solution of RE-Ox. Confirm FAC with on-site chlorine test. Allow solution to contact surfaces for at least one minute. Test, and periodically adjust the FAC content as necessary, to ensure that the FAC does not fall below 50 ppm

until full flow is achieved at all extremities, the castern is completely filled with sanitizing solution and all castern is removed from the system. Close drain valves and hold under pressure for at least one minute to ensure contact with all internal surfaces. Test solution from drain valve; if effluent contains less than 50 ppm, repeat entire cleaning/sanitizing process.

Spray/Fog Method: Pre-clean all surfaces after use and prior to sanitization. Thoroughly spray or fog all surfaces until wet with a 100 ppm FAC solution. Allow surfaces to air dry. Prior to using equipment, rinse all surfaces with a 100 ppm FAC solution. Rinse spray/fog equipment with potable water after sanitization operation.

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THE RELIGIOUS STREET, STREET,

Mulic Systems: Mix a ratio oduct to 100 gallons water. Beal edina this solution 5.1 oz of th terinator until a free a Hable chlorine residen of at least 0.2 pu and no more than 6 ppm FAC is stem. Check water free ently with a c fine test kit. Bacteriolog be distribution cal samplin frequency less than that prescribed we he National Primary Drinking Water Regulations. conducted local Health D further details.

ing Wells: Upon completion of the fining) wash the interior of the cash the hg) with a 100 Individual Systems ppm available chlor solution using a stiff brush. This solution can be made by thoroughly mixing 2. into 10 gallons of After covering the well, pour the ng solution into the well through. he pipesleeve with the sanitizing solution. Wash the exterior of the pump opening and the and pump water until stro at least 24 hours. After 24, odor of charge in water is noted. Stop, vell until all sult your local realth Department for fur he have been received from the water. C traces of chig

Individual Pater Systems - Driven and Bogg Wells: Run pung until water is as fregue om turbidity a Pour a 10 ppm FAC sanitizing solution ato the well This solution can be Note by thoroughly dixing 2 gal. of this ns of 📶 an, chlorinated water to the well in order force the sanitizer in alons of water. Add 5 to 10 ga nation. Wash the exterior of pump linger with the sanitizer. Drop peline into w 44 start pump and pump w 24 hours. Aust 24 hours, flush well until rong odor of chlorine in water is noted. Stop pump and wait at le s of chlorine have been removed from the water. Deep wells with n water leve w necessitate the use of well. Consult your local Health Department of further details. thods for introduction of the sanitizer into

Indicate all Water Systems – Flowing Artesian in the: Artesian wells generally do not require disinfection of analyses indicate the interest contamination the well should be displaced. Consult your local Health Department for further details.

en boiling of water for 1 h is not practical, water can be made made by using this Emergency ander terial by filtration or by allowing it to seve product. Prior to he sanitizer, remove all susi oz. of this product to 20 ordions of water Decant the clarified, minated water to a clean container and act slight chlorine minutes. Properly treated water should have a coor, if not, repeat do treated water to state in for itional 15 minute The treated water can be made palatable by pouring it ben

Mains: Phoroughly flush section to be incitived by discharging from hydrants. Fermit a water flow of at least 2.5 seet per minute to continue under pressure while my charget this product by means of a hypochlorinator. Step water flow when a chorine residual test of 50 ppm is obtained at the concepts and of the new main section after a 25 year retention time. The chorination is completed the system must be it and free of all here fly chlorinated water.

New New Basins, Etc.: Jemove all physical soil from perfaces. Dace 32 gal. of this product for each coupling feet of working capacity (500 per FAC). Fill to working capacity and all w to stand for at least 4 hours. Drail and dust with potable water and count to service.

New Filter Sand April 128.5 gal. of this product for each 150 to 30 cubic feet of sand. The agriculture of the gradual dissolving as the water passes through the bed will aid in santizing the new and.

New Wells: Flush the casing with 50 ppm FAC solution of water containing anal. of this product or each 100 gallors, water the solution should be purely or fed by granty into the well after tholes a mixing with a station. The well should start for several hours or overnight under chloring ion. It may then be pumped under representative raw water sample is obtained. Bacterial examination of the water will indicate whether further treatment is no assay.

ubic feet ca (approximately Bes. Drain and place in service After drying, fush with ater and ret

with a 250 ppm FAC solution Ils: Thoroughly flush contaminated casing Prepare this solution by mixing 10 cal. of this uct with 10 gallons of water uce turbidity, adding sufficient Backwash well to increase yiel chlorine test kit. After the turbidity has to the backwash to oduce a 10 ppm AC residual, as de rmined by Luced and the car g has been treated, dd sufficient o to produce a 50 pm FAC residual. forinating solution well water fa several hours and take represer ative water sample Retreat well if vater samples are acceptab biological

vestablish hypochlorinating ations 22 ppm FAC residual, as determined contamination by overflowing Reservoirs: ations u stream of the reservoir. Chlorinate the ater until the entire reservoir obtain by a suitable chlorine test kit. In case of confamination from surface drainage, ap sufficient product directly to the ervoir to obtain a 0.2 ppm idual in all parts of the reservoir. available chloring

5 cubic feet of water to Basins, Tank Fluces, Etc.: Thoroughly clean all uipn then apply 32 gal. of pro om available chlorine, as determined by a suitabilitiest kit. After 24 hours obtain 500 s and return to service. Allow to st nd for 2 to 4 purs, flush and return to s vice.

Filters: Vhen the sand litter needs replacemen apply 128 gal each 150 to 2000 subic feet of sand. this product for filter is severely contaminated, distribute additional product over the surface at the rate of az. per 20 sq. ft. When the should stand at a deprinof 1 foot above the surface if the fine bed for to 24 hours. When the beds can be llowing the water to stand a ashed of mud and silt, as by 128 gal of this product per each 50 depth of 1 above the filter sand. After siminute After 4 to 6 hours drain, and drain water to the level of the hal backwashing.

tribution System: Flush repair replaced section with water. h a hypochlorinating station and ficient product until a consistent, ins after a 24 hour retention time. Use blorine residual of at least 10 ppm rever chlorine test kit.

tross Connections or Emergetary Connections: Set up hypochilomation or gravity feed equipment near the intake of a chlorine sidual of at least 0.1 to ppm at the p fficient product to give ntreated water sup Apply ated supply eners the regular distribution system Use a chloring est kit.

Emergency Disinfection after Disinghts

echanical hypochlorit freeders on 20 minutes contact time Use a c Supplementary Water Supplies: Set gravity or n supplementally line to dose the water to a minimum chlorine residual of 0.5 apm after 20 minutes contact tirif.

Water Shippe vin by Tanks, Tank Cars, Lincks, E.c.: Thoroughly clean all contact tirif. forine test kit.

taine and equipment. ay a 500 ppm y gixing 10 gal. of this product for each of this product to provide at least a 0.2 FAC solution are finse with potable water and 5 r inutes. This solution is made. hers, dose with sufficient amound 10 gallons of warm. During the filling of the ppm FAC residual. Use a chlorine test kit. During the filling of the co

Emergence Disinfection after Main Breaks

ðn, fl**ö**g out mud and soil. Permit was flow of at least 2.5 feet of the repaired sec Mains: Befg to continue under presse, while injecting his product by means of a hypochorinator. Stop water flow when a residual test of 50 ppm is a lained at the flow pressure and of the new main section affairs 24 hougietention time. alorine chlorination is completed, the stem mus be flushed free at all heavily chlomated water.

oling Tower/Evapolitye Continser Water

Cooling Tower/Evapolitye Con Slug Feed Method - Initial Dose: Then system is noticeable found apply 100 to 200 gat of this product per 10,0 s of water in the system to obtain from 5 to 10 ppm available from the Repeat until contract achieved. Subseque e; When microbial control is evident, add 20 gal. of this productive or 10,000 gallons of water in the system daily, or a

and keep the c 1 ppm. Badly fouled systems i eded to maintain g ment is begun

ittent Feedi itial Dose: Wh n system is not ably fouled. 51y 100 to 200 g water in the sy apply half (or 1/3, 1/4 1/5)em to obtain 5 to 10 ppm availab chlorine. this initial for 1/3, 1/4 or 1/5) by blowdown. Subsequ at the w er in the system has b **őse:** When water in the system to obtain microbial ol is evident, add 20 ga s product per 10,000 gallons ppm residual. Apply half 1/3, 1/4 or 1/5) of this inite lose when half (or 1/3, 1/4 c of the water in the system been lost by fouled systems must b ned before treatment is I blowdow

Continu Method - Initial D en system is noticeably fouled apply 100 to 200 gal duct per 10.00 r in the system o obtain 10 ppm FAC re sidual. Subsequent Dose: Maintain this treation nt level by blowdoy al. of this pro per 1.00 gallons of water eed of 2 to maintain a be cleaned before dual. Badly fouled sy eatment is begun.

(For product packaged solely for homeowner use:)

Storage and Disposal

Storage: This product degrades with age. Protect from sunlight, Keep refrigerated or in insulated containers if refrigeration is not available. Store in areas inaccessible to children or pets. Do not store in temperatures greater than 80°F. Disposal: If empty: Do not reuse this container. Place in trash or offer for recycling if available. If partially filled: Call your local solid waste agent for disposal instructions.

(For product packaged in containers of 1 gallon or less and not solely for homeowner use:)

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

Storage: This product degrades with age. Protect from sunlight. Keep refrigerated or in insulated containers if refrigeration is not available. Do not store in temperatures greater than 80°F. Disposal: If empty: Do not reuse this container. Place in trash or offer for recycling if available. If partially filled: Call your local solid waste agent of 1-800-CLEANUP for disposal instructions.

{For product packaged in containers greater than 1 gallon:}

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: This product degrades with age. Protect from sunlight. Keep refrigerated or in insulated containers if refrigeration is not available. Do not store in temperatures greater than 80°F. Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Container Disposal: Triple rinse, or equivalent, then offer for recycling, return or reconditioning; or puncture and dispose of in a sanitary landfill; or by incineration; or if allowed by state and local authorities, by burning (if burned, stay out of smoke).

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^{{ } =} language that does not appear on the market label