52483-1 6/24/2014 1/5

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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

JUN 24 2014

Wayne E. Bartling
EHS Manager
H. Krevit & Company, Inc.
P.O. Box 9433
New Haven, CT 06534-0433

Subject: D-490782
Hypochlorite Solution
EPA Registration No. 52483-1
Application Dated: April 10, 2014
Receipt Dated: April 17, 2014

Dear Mr. Bartling:

This acknowledges the receipt of your Amendment application dated April 10, 2014 in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) Section 3(c)(5), as amended.

Submission and Proposed Changes

To amend the label by adding labeling claims, and add hard surface use disinfection directions and modify zebra mussel control use information. The proposed label dated pin punch 04/17/14.

Findings and Comments:

Based on the submitted materials, the label amendment noted above is **acceptable.** The latest amended label dated February 6, 2014 (pin punch 2/10/14).

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. The next label printing of this product must use this labeling unless subsequent changes have been approved. You must submit one (1) 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.

This latest amended label and a copy of this letter have been inserted in your file for future reference.

If you have any questions or comments concerning this letter, please contact David Liem at liem.david@epa.gov or call (703) 305-1284.

Sincerely,

Demson Fuller
Product Manager - Team 32
Regulatory Management Branch II
Antimicrobials Division (7510P)

Encl: Accepted Stamped label

HYPOCHLORITE SOLUTION

Active Ingredient:
Sodium Hypochlorite.....12.50%
Inert Ingredients................87.50%
Total.................................100.00%

PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: CORROSIVE, causes severe skin irritation or chemical burns to broken skin. Causes eye damage. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling this product. Wash after handling and before eating, drinking, chewing gum, using tobacco, or using toilet. Avoid breathing vapors. Vacate poorly vented areas as soon as possible. Do not return until odors have dissipated.

ENVIRONMENTAL HAZARDS:
This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public 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 into sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

PHYSICAL AND CHEMICAL HAZARDS:
STRONG OXIDIZING AGENT: Mix only with water according to label directions. Mixing this product with gross filth such as feces, urine, etc. or with ammonia, acids, detergents or other chemicals may release hazardous gases irritating to eyes, lungs and mucous membranes.

Manufactured with pride and care by:

H. Krevit & Company, Inc.
P.O. BOX 9433
New Haven, CT 06534-0433
Tel: 1-203-772-3350

Form #155 Rev. April 2004
E.P.A. REG. NO. 52483-1
E.P.A. EST. NO. 52483-CT-001

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID

IF IN EYES
- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for further 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 further treatment advice.

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

HOT LINE NUMBER
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1 (800) 222-1222 for emergency medical treatment information.
Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

STORAGE AND DISPOSAL:

Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment. Store this product in a cool dry area, away from direct sunlight and heat to avoid deterioration. In case of spill, flood areas with large quantities of water. Product that cannot be used should be managed as hazardous waste (households should call your local solid waste agency for disposal instructions). Container rinsates that cannot be used should be diluted with water before disposal in a sanitary sewer.

For Refillable Containers only:

This is a REFILLABLE CONTAINER. Return clean and in good condition for refund of deposit. Refill only with sodium hypochlorite. Do not use this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. Before disposal, use water to rinse the inside of the container. Fill the container about 1/4 full with water; shake a small container or roll a drum back and forth while on its side for about 30 seconds to rinse completely. [It is very dangerous and unlawful to put any chemical into this container other than that which it is labeled for. Violators of this warning may face fines and a reporting to the U.S. Department of Transportation and/or The U.S. Environmental Protection Agency. Container samples may be analyzed. Before a container can be returned, it must be clean of all foreign residues, and all caps must be installed and tightened. Deposit refunds are only issued after successful inspection of the returned containers, and only on containers that are being returned within 1 year.]

For Nonrefillable Containers only:

This is a NONREFILLABLE CONTAINER. Do not reuse or refill this container. Offer for recycling if available. Cleaning the container before final disposal is the responsibility of the person disposing of the container.

[**WARRANTY:** This product is guaranteed to be the chemical as labeled and manufactured in the strength as specified. The manufacturer furthermore, assumes only limited liability, and is no way responsible for the improper use, transportation, handling or storage of the product.]

The NSF seal and allowable usage (below) will not appear on product that is labelled exclusively for pool and spa use (trade name "Super Shock")

NSF

Certified to NSF/ANSI 60

The maximum allowable dose is: 84 mg/Liter (or 315 mg/gallon

DIRECTIONS FOR USE: It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

This statement only to be used on institutional labels with medical use sites and/or bloodborne pathogens. This product is not to be used as a terminal sterilant/high 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 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 or semicritical medical devices prior to sterilization or high level disinfection.

NOTE: This product degrades with age. Use a chlorine test kit and increase dosage, as necessary, to obtain the required level of available chlorine.

SWIMMING POOL WATER DISINFECTION: FOR A NEW POOL OR SPRING START-UP - superchlorinate with 52 to 104 oz. of this product for each ten thousand gallons of pool water to yield 5 to 10 ppm available chlorine by weight. Check level of available chlorine with a test kit. Adjust and maintain water pH between 7.2 and 7.6. Adjust and maintain the alkalinity of the pool to between 50 to 100 ppm. TO MAINTAIN THE POOL - add manually or by feeder device 11oz. of this product for each ten thousand gallons of pool water to yield an available chlorine residual between 0.6 and 1.0 ppm by weight. Stabilized pools should maintain a residual of 1.0 to 1.5 ppm available chlorine. Test the pH, available chlorine residual and alkalinity of the water frequently with the appropriate test kits. frequency of water treatment will depend upon temperature and number of swimmers. EVERY 7 DAYS - or as necessary, SUPERCHLORINATE the pool with 52 to 104 oz. of this product for each ten thousand gallons of pool water to yield 5 to 10 ppm available chlorine by weight. Check the level of available chlorine with a test kit. Do not re-enter the pool until the chlorine residual is between 1.0 and 4.0ppm. Re-entry into treated pools is prohibited at levels above 4ppm due to risk of bodily harm. AT THE END OF THE SWIMMING POOL SEASON - or whenever water is to be drained from the pool, chlorine must be allowed to dissipate from treated pool water before discharge. Do not chlorinate the pool within 24 hours prior to discharge. WINTERIZING POOLS - While water is still clear and clean, add 3.0 oz. of this product per one thousand gallons of pool water, while the filter is running, to obtain a 3 ppm available chlorine residual, as determined by a suitable test kit. Cover pool, prepare heater, filter and heater components for winter by following manufacturers' instructions.

SPAS, HOT TUBS, IMMERSION TANKS, ETC.: SPAS/HOT TUBS - Apply 5 oz. of product per 1000 gallons of water to obtain a free available chlorine residual of 5 ppm, as determined by a suitable chlorine test kit. Adjust and maintain pool water pH to between 7.2 and 7.8. Some oils, lotions, fragrances, cleaners, etc. may cause foaming or cloudy water as well as reduce the efficiency of the product. Reentry into treated pools is prohibited at levels above 5 ppm due to risk of bodily harm.

LAUNDRY SANITIZERS: Household Laundry Sanitizers. IN SOAKING SUDS - Thoroughly mix 2 oz. of this product into 10 gallons of wash water to provide 200 ppm available chlorine. Wait 5 minutes then add soap or detergent. Immerse laundry for at least 11 minutes prior to starting wash/rinse cycle. IN WASHING SUDS - Thoroughly mix 2 oz. of this product into 10 gallons of wash water containing clothes to provide 200 ppm available chlorine. Wait 5 minutes then add soap or detergent and start the wash/rinse cycle. Commercial Laundry Sanitizers: Wet fabrics or clothes should be spun dry prior to sanitization. thoroughly mix 2 oz. of this product into 10 gallons of wash water to provide 200 ppm available chlorine. Promptly after mixing the sanitizer, add the solution into the prewash prior to washing fabrics/clothes in the regular wash cycle with a good detergent. Test the level of available chlorine, if solution has been allowed to stand. Add more of this product if the available chlorine level has dropped below 200 ppm. This product used according to these laundry sanitizer directions is effective against Staphylococcus aureus, Pseudomonas aeruginosa. Kiebsiella pneummoniae, and Methicillin Resistant Staphylococcus aureus [(MRSA)].

DIRECTIONS FOR SANITIZING AND DEODORIZING FOOD PROCESSING, DAIRY FARM, HOTEL, RESTAURANT AND TAVERN EQUIPMENT: IMMERSION METHOD - Prepare a sanitizing solution by thoroughly mixing, in an immersion tank, 2 oz. of this product with 10 gallons of water to provide approximately 200 ppm of available chlorine by weight. Clean equipment in the normal manner. Prior to use, immerse equipment in the sanitizing solution for at least 2 minutes and allow the sanitizer to drain. Do not rinse equipment in water after treatment.

DIRECTIONS FOR DISINFECTION OF POTABLE WATER PUBLIC SYSTEMS: Mix a ratio of 1 oz. of this product to 100 gallons of water. Begin feeding this solution with a hypochlorinator until free available chlorine residual of at least 0.2 ppm and no more than 0.6 ppm is attained throughout the distribution system. Check water frequently with a chlorine test kit. Bacteriological sampling must be conducted at a frequency of no less than that prescribed by the National Primary Drinking Water Regulations. Contact your local Health Department for further details.

SEWAGE AND WASTEWATER TREATMENT: Effluent Slime Control: Apply a 100 to 1000 ppm available chlorine solution to a location which will allow complete mixing. Prepare this solution by mixing 10 to 100 oz. of this product with 100 gallons of water. Once control is evident, apply a 15 ppm available chlorine solution. Prepare this solution by mixing 3 oz. of

this product with 100 gallons of water. Filter Beds-Slime control: Remove filter from service, drain to a depth of 1 ft. above filter sand, and add 80 oz. of product per 20 sq./ft. evenly over the surface. Wait 30 minutes before draining water to a level that is even with the top of the filter. Wait for 4-6 hours before completely draining and backwashing filter.

DIRECTIONS FOR USE AS ZEBRA MUSSEL CONTROL AGENT: Chemical treatment times and concentrations may vary because of the water temperature; the extent of contamination; and the design variations of systems. Using sodium hypochlorite in this manner may require revisions to existing federal, state, or local discharge permit(s) and/or the addition of dechlorination equipment. SINGLE EXPOSURE - To control zebra mussels, add this product to obtain from 0.25 to 2.0 ppm residual chlorine in the system. Typically 3 to 20 ounces of this product is added for every 10,000 gallons of water to obtain the 0.25 to 2.0 ppm residual chlorine concentration. SEMI-CONTINUOUS EXPOSURE – To control zebra mussels, add this product to obtain a residual chlorine concentration of 0.25 to 2.0 ppm water in the system. Typically, adding 3 - 20 fl. oz. of this product per 10,000 gallons obtains the 0.25 to 2.0 ppm residual chlorine concentration. CONTINUOUS EXPOSURE - To control zebra mussels, add this product to obtain a residual chlorine concentration of 0.25 to 2 ppm in the system. Typically 3 to 10 ounces of this product is added for every 10,000 gallons of water to obtain the 0.25 to 2 ppm residual chlorine concentration. NOTES: The published dosage rates are approximate; always test for residual chlorine to ensure proper dosage rates are achieved. For best results treat during the breeding season (June to September) or at the end of the season for at least 30 days.

COOLING TOWER / EVAPORATIVE CONDENSER WATER: SLUG FEED METHOD - Initial Dose: When system is noticeably fouled,apply 52 to 104 oz. of this product per 10,000 gallons of water in the system to obtain from 5 to 10 ppm available chlorine. Repeat until control is achieved. Subsequent Dose – when microbial control is evident, add 11 oz. of this product per 10,000 gallons of water in the system daily, or as needed to maintain control and keep the chlorine residual at 1 ppm. Badly fouled systems must be cleaned before treatment is begun. INTERMITTENT FEED METHOD - Initial Dose: When system is noticeably fouled, apply 52 to 104 oz. of this product per 10,000 gallons of water in the system to obtain from 5 to 10 ppm available chlorine. Apply half (or 1/3, 1/4, or 1/5) of this initial dose when half (or 1/3, 1/4, or 1/5) of the water in the system has been lost by blowdown. Subsequent Dose: When microbial control is evident, add 11 oz. of this product per 10,000 gallons of water in the system to obtain a 1 ppm residual. Apply half (or 1/3, 1/4, or 1/5) of this initial dose when half (or 1/3, 1/4, or 1/5) of the water in the system has been lost by blowdown. Badly fouled systems must be cleaned before treatment is begun. CONTINUOUS FEED METHOD - Initial Dose: When system is noticeably fouled, apply 52 to 104 oz. of this product per 10,000 gallons of water in the system to obtain from 5 to 10 ppm available chlorine. Subsequent Dose: Maintain this treatment level by starting a continuous feed of 1 oz. of this product per 1,000 gallons of water lost by blowdown to maintain a 1 ppm residual. Badly fouled systems must be cleaned before treatment is begun.

TO DISINFECT HARD, NONPOROUS SURFACES: [First] Clean surface by removing gross filth (loose dirt, debris, food materials, etc.). Use 3 ounces of this product in one gallon of water to obtain a minimum 2400 ppm available chlorine solution. Thoroughly wet surface with the solution and allow it to remain on the surface for 5 minutes. Rinse with clean water and dry.

Special Label Instructions for Cleaning Prior to Disinfection against Clostridium difficile endospores:

Personal Protection: Wear appropriate barrier protection such as gloves, gowns, masks and eye covering.

Cleaning Procedure: Fecal matter/waste must be thoroughly cleaned from surfaces/objects before disinfection by application with clean cloth, mop, and/or sponge saturated with product intended for disinfection. Cleaning includes vigorous wiping and/or scrubbing, until visible soil is removed. Special attention is needed for high-touch surfaces. Clean the surfaces in patient rooms in an appropriate manner, with restrooms and other 'dirty' areas cleaned last. Do not reuse soiled cloths.

Infectious Materials Disposal: Cleaning materials used that may contain feces/wastes must be disposed of immediately in accordance with local regulations for infectious materials disposal.

[For] Killing Clostridium difficile [spores]: Add 1 part bleach to 8 parts water to achieve a 1:13 dilution (~8700 ppm available chlorine) before use. Clean hard, nonporous surfaces by removing gross filth [loose dirt, debris, blood/bodily fluids, etc.]. Apply 1:13 solution and let stand for 5 minutes. Rinse and air dry. Prepare fresh solution daily. [Avoid contact with surfaces that may be damaged by bleach.] Do not use on nonstainless steel, aluminum, silver, or chipped enamel.

General/Cleaning/Stain Removal/Deodorizing Claim:

Kills 99.9% of bacteria, including Methicillin resistant Staphylococcus aureus [(MRSA)], when used as directed.