

1757-96

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



Office of Pesticide Programs

FILE COPY

Kathryn Ingram
Regulatory Specialist
Ashland Inc
7910 Baymeadows Way
Jacksonville, FL 32256

OCT 30 2009

Subject: Drewchlor 3004
EPA Registration No. 1757-96
Application Date: September 29, 2009
Receipt Date: October 6, 2009

Dear Ms. Ingram:

This acknowledges receipt of your notification, submitted under the provision of PR Notice 98-10, FIFRA section 3(c)9.

Proposed Notification

- Revisions to Storage and Disposal Statement per PR Notice 2007-4

General Comments

Based on a review of the material submitted, the following comment applies:

The notification application is acceptable and a copy has been inserted in your file for future reference.

Should you have any questions or comments concerning this letter, please contact me at (703) 308-6345.

Sincerely,

Wanda Y. Henson
Product Reviewer (32)
Regulatory Management Branch II
Antimicrobials Division (7510P)

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Please read instructions on reverse before completing form.

Form Approve

JMB No. 2070-0060

Print Form



United States
Environmental Protection Agency
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 1757-96	2. EPA Product Manager Wanda Henson - #32	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Drewchlor 3004	PM# # 32	
5. Name and Address of Applicant (Include ZIP Code) Drew Industrial Division One Drew Plaza, Boonton, NJ 07005 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of a label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR 156.10, 156.140, 156.144, 156.146 and 156.156. See attached letter for additional statements.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Metal Plastic Glass Paper Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Kathryn Ingram	Title Regulatory Specialist	Telephone No. (Include Area Code) 904/256-0311
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Regulatory Specialist	
4. Typed Name Kathryn Ingram	5. Date September 29, 2009	

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ASHLAND.

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Ashland Hercules Water Technologies

Name Kathryn Ingram
Title Regulatory Specialist

7910 Baymeadows Way Jacksonville, FL 32256

KRIngram@Ashland.com

September 29, 2009

Document Processing Desk (NOTIF)
Office of Pesticides Programs (7504P)
Antimicrobials Division
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

Subject: Drewchlor 3004; EPA Registration # 1757-96
Notification per PR Notice 2007-4

Dear Ms. Henson:

This submission is to notify the EPA of a label change to the Storage & Disposal section of the Drewchlor 3004 label per PR Notice 2007-4.

This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Enclosed are the following:

- Application form, EPA Form 8570-1
- Revised product label with changes clearly marked

Please send all correspondence to the following address:

Ashland Inc
7910 Baymeadows Way
Jacksonville, FL 32256
Attn: Kathryn Ingram

Please contact me at 904-256-0311 or via email at KRIngram@Ashland.com with questions or comments regarding this submission. Thank you for your assistance.

Thank you,


Kathryn Ingram

HERCULES

NOTIFICATION
Date Reviewed: 10/30/09
Reviewed By: *[Signature]*

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER**

Corrosive. Causes irreversible eye damage and skin burns. May be harmful if inhaled. May be fatal if swallowed. Irritating to nose and throat. Avoid breathing vapor. Do not get in eyes, on skin or clothing. Do not handle with bare hands. Wear protective eyewear (goggles or face shield), clothing and rubber gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse to avoid fire.

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.

PHYSICAL AND CHEMICAL HAZARDS

Dry DREWCHLOR 3004 is a strong oxidizing agent. Only mix into or dilute with water or non-oxidizable materials. Contamination may start a chemical reaction with the generation of heat, liberation of a hazardous gas (chlorine dioxide) and with a possible fire and explosion. Do not contaminate with garbage, dirt, organic matter, household products, chemicals, soap products, paint products, solvents, acids, vinegar, beverages, oils, pine oil, dirty rags or any other foreign matter. Contact with acids may release toxic gas. Use only clean, dry utensils when handling.

EMERGENCY HANDLING

In case of contamination or decomposition, do not reseal container. If possible, isolate container in an open and well-ventilated area. Flood with large volumes of water. If fire occurs, extinguish fire by applying large volumes of water. Any unopened drums near the fire should be cooled by spraying with water.

CHLORINE DIOXIDE GENERATION

DREWCHLOR 3004 is a precursor for the biocidal agent, chlorine dioxide. DO NOT ADD DREWCHLOR 3004 directly to the system being treated. Aqueous solutions of chlorine dioxide can be generated from DREWCHLOR 3004 by any of the following methods:

1. The chlorine method, which utilizes DREWCHLOR 3004 and chlorine gas.
2. The hypochlorite method which utilizes DREWCHLOR 3004, a hypochlorite solution and an acid.
3. The Acid-Chlorite method, which utilizes DREWCHLOR 3004 and an acid.
4. The electrolytic method, which utilizes DREWCHLOR 3004 and an electrolytic system.

The above generation methods produce a chlorine dioxide concentrate (300 - 4,000 ppm). For some applications, the chlorine dioxide concentrate must be diluted prior to use. Your Drew Industrial Division service representative can guide you in the selection, installation and operation of generation systems and the proper injection of chlorine dioxide. Alternatively, consult the instructions for the chlorine dioxide generation system before using this product. Add the generated chlorine dioxide solution to a point in the system which ensures uniform and adequate mixing and minimal volatilization.

DIRECTIONS FOR USE

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

Food-Contact Surface Sanitizer

Use chlorine dioxide generated from DREWCHLOR 3004 as a terminal no-rinse sanitizer for controlling pathogenic bacteria on food-contact surfaces, utensils and equipment in food-processing plants, (poultry, meat, seafood), food-handling establishments, breweries, dairies, ice-cream and bottling plants.

1. Prior to sanitization, all surfaces, utensils and equipment must be thoroughly cleaned to remove gross food particles and soil by a pre-flush or pre-scrape and, where necessary, a pre-soak treatment. Then thoroughly wash

(Directions For Use continued on 3rd panel)

DC 3004 7/09

DREW

FOR USE IN THE GENERATION OF CHLORINE DIOXIDE AS A FOOD-CONTACT SURFACE SANITIZER FOR FRUITS AND VEGETABLES, ANTIMICROBIAL RINSE FOR CONTACT SURFACES IN BREAD AND BEVERAGE, PAPER MILL SLIME CONTROL, MOLLUSK CONTROL, AND ONCE-THROUGH COOLING WATER SYSTEMS AND CHEMICAL (

ACTIVE INGREDIENTS: S
INERT INGREDIENTS:

AVAILA

**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 treatment.

IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

IF INHALED

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

IF SWALLOWED:

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

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Have the product container or label MSDS with you when calling a poison control center or doctor, or going for treatment.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Reg. No. 1757-96

EPA Est. No. 1757-TX-1

1757-NJ-1

5382-KS-1

70547-IL-1

53345-CN-001

53345-CN-004



**Drew
Industrial Division**

ASHLAND

Ashland Chemical Company
Division of Ashland Inc.

Content's could be of U.S. or Canada

One Drew Plaza, Boonton, New Jersey 07005
Phone (973) 263-7600

24 Hour Emergency Telephone Number

1-800-274-5263 or 1 800-ASHLAND

™ Trademark and ® Registered trademark, Ashland

DREWCHLOR[®] 3004

CONTACT SURFACE SANITIZER, SANITIZER FOR GENERAL ENVIRONMENTAL SURFACES, POTABLE WATER DISINFECTANT, SANITIZER WASH
INERS, POULTRY, SEAFOOD, MEAT, ANTIMICROBIAL TREATMENT FOR MAKE-UP AND PROCESSING WATERS IN FOOD-PROCESSING PLANT
ONCE-THROUGH COOLING WATER SYSTEMS, ODOR CONTROL, BIOCIDES FOR GENERAL INDUSTRIAL PROCESS WATER AND RECIRCULATING
OXIDANT.

SODIUM CHLORITE*	25%
.....	75%
TOTAL	100.0%

AVAILABLE CHLORINE 39% 1 CONTAINS 2.58 LBS. OF SODIUM CHLORITE PER GALLON

(Directions For Use continued from 1st panel)

- all surfaces, utensils and equipment with a suitable detergent or cleaner followed by a potable water rinse.
- From DREWCHLOR 3004, generate a 15-25 ppm chlorine dioxide use-solution ("sanitizing solution").
 - Apply the sanitizing solution to the target surface by immersion, coarse spray, mop, wipe, flood or circulation techniques.
 - Allow a contact time of at least one minute. It is essential that the sanitizing solution contact all surfaces to be sanitized. Thus, hard to reach, in-place equipment, pipes and closed vessels must be filled with the solution.
 - Allow the sanitizing solution to thoroughly drain and air dry from all surfaces, utensils and equipment.

Final Sanitizing Bottle/Cap Rinse

Use chlorine dioxide generated from DREWCHLOR 3004 as a final sanitizing rinse for plastic, glass, or metal returnable and non-returnable bottles/caps/kegs/beverage containers.

- Prior to sanitization, wash bottles with detergent or cleaning solution and rinse with potable water.
- From DREWCHLOR 3004, generate a 15-25 ppm chlorine dioxide use-solution and rinse bottles/cans/containers with the use-solution. Allow to drain dry.

Sanitization of Conveyors for Food, Dairy and Beverage Processing Plants

Use chlorine dioxide generated from DREWCHLOR 3004 in the static or continuous washing, rinsing and sanitizing of conveyor equipment, peelers, collators, slicers and saws.

- During processing or interruptions in operations, generate a 15-25 ppm use solution of chlorine dioxide from DREWCHLOR 3004.
- Apply the use-solution to the return portion of the conveyor or to the equipment using a coarse spray or other means of wetting the surfaces. Control the volume of the use-solution so as to permit maximum drainage and to prevent puddles. The conveyor may still be damp when food-contact occurs. Treat for at least one (1) minute.

Food-Processing Water Systems and Brewery Water

Use chlorine dioxide generated from DREWCHLOR 3004 for microbial control in food-processing water systems and brewery water systems, such as flume transport, chill water systems, hydrocoolers, jetter water, pasteurizers, brewery influent or make-up water and bottle rinsing systems.

- From DREWCHLOR 3004, generate a chlorine dioxide use-solution from 0.1- 5.0 ppm,
- Apply the use-solution to the target water system at a level that will result in a residual concentration \leq 1.0 ppm. The required dosage will vary with process conditions and the degree of contamination present.

Antimicrobial Rinse of Pre-Cleaned and/or New Returnable or Non-Returnable Containers

Use chlorine dioxide generated from DREWCHLOR 3004 to reduce the number of beverage spoilage microorganisms in pre-cleaned and/or new returnable or non-returnable containers.

- From DREWCHLOR 3004, generate a 15-25 ppm use-solution of chlorine dioxide.
- Apply the use-solution at a temperature of 25°C to 40°C, with a contact time of 7 seconds.
- Allow containers to drain thoroughly and then rinse with sterile or potable waters.

General Environmental Surfaces Sanitization

Use chlorine dioxide generated from DREWCHLOR 3004 to sanitize non-food contact surfaces, such as floors, walls, tables, chairs, benches, drains, troughs and drip pans in food-processing plants, breweries, food-handling establishments, ice-cream and bottling plants and breweries.

- Prior to sanitization, pre-clean surfaces.
- From DREWCHLOR 3004, generate a 15-25 ppm chlorine dioxide use-solution.
- Soak items in/with the 15-25 ppm use-solution using mop/wipe, or coarse spray or flood techniques and allow contact for at least one (1) minute.
- Allow treated surfaces and items to drain adequately and air dry.
- Fresh sanitizing solution must be made up daily or more often if solution becomes diluted or soiled. *For drains, this product is not expected to be effective past the trap or elbow in the drain.

Sanitizer Rinse for Fruits and Vegetables

Use chlorine dioxide generated from DREWCHLOR 3004 in food-processing facilities to reduce the growth of microorganisms that cause spoilage and decay of fruits and vegetables.

- From DREWCHLOR 3004, generate a chlorine dioxide use-solution from 1.0-10.0 ppm.
- Apply the use-solution to pre-process fruits and vegetables by spray or immersion methods at a level that will result in a chlorine dioxide residual \leq 3.0 ppm. The required dosage will depend on the degree of contamination present.
- Treatment of the fruits and vegetables must be followed by a potable water rinse or by blanching, cooking or canning.

Poultry Processing Water

Use chlorine dioxide generated from DREWCHLOR 3004 as an antimicrobial agent in poultry processing water. The residual concentration of chlorine dioxide in the treated water cannot exceed 3 ppm. For treatment of poultry chill water, maintain a residual concentration of up to 3 ppm of chlorine dioxide in the chiller water, as determined by an appropriate method in accordance with 21 CFR §173.300.

Potable Water Treatment

Use DREWCHLOR 3004 to generate a chlorine dioxide use-solution for use as both a disinfectant and oxidant in potable water treatment. The required dosage will vary with source water conditions and the degree of contamination present. For most municipal and public potable water systems, a chlorine dioxide dosing concentration of up to 2 ppm is sufficient to provide adequate disinfection. Residual disinfectant and disinfectant byproducts must be monitored as required by the National Primary Drinking Water Regulations (40 CFR Part 141) and state drinking water standards.

Wastewater Treatment

Use DREWCHLOR 3004 to generate a chlorine dioxide use-solution for use as an oxidant and disinfectant for odor control or as an oxidant and/or a disinfectant in wastewater treatment. The required dosages will vary with water conditions and the degree of contamination present. For most municipal and other wastewater systems, a chlorine dioxide residual concentration of up to 5 ppm is sufficient to provide adequate disinfection. In odor control and wastewater oxidant application, the applied dosage will depend on process, water loading and conditions to achieve results and be in compliance with local and state permits.

Aqueous Disinfection Systems for CIP Cleaning

Use DREWCHLOR 3004 in association with aqueous disinfection systems for CIP cleaning. If the concentration of chlorine dioxide generated from DREWCHLOR 3004 exceeds 5.0 ppm, a potable water rinse should follow treatment. Care should be taken to ensure the biological and chemical quality of potable water.

Bacterial Slime Control In Paper Mills

Use DREWCHLOR 3004 to generate a chlorine dioxide use-solution for use as a slimicide in process water during the manufacture of paper and paperboard. Apply the chlorine dioxide use-solution at a level in order to achieve a residual chlorine dioxide concentration in process water from 0.1 to 5.0 ppm. The necessary dosage will vary with the degree of microbiological and process contamination present.

Bacterial Slime Control in Oil Wells and Petroleum Systems

Use DREWCHLOR 3004 to generate a chlorine dioxide use-solution for use in the remediation of bacterial and sulfide contamination in oilfield production, injection and disposal fluids. Apply the chlorine dioxide use-solution at a level in order to achieve a residual chlorine dioxide concentration of 0.25- 5.0 ppm. The chlorine dioxide use solution can be applied either continuously or intermittently to oil production water as it is separated from the oil and before it is re-injected into the well. For continuous feeds, the chlorine dioxide use-solution may be applied at dosages slightly higher than sulfide's oxidative demand, as determined by a demand study. For intermittent treatment, the chlorine dioxide use-solution must be applied at shock dosage of 200-3000 ppm.

Industrial Cooling Water Treatment (recirculating)

Use DREWCHLOR 3004 to generate a chlorine dioxide use-solution for controlling bacterial slime, algae and biofilm in industrial recirculating cooling water systems including reverse osmosis systems. Clean badly fouled systems before starting treatment. The required dosages of the chlorine dioxide use-solution will vary depending on the exact application and the degree of contamination present. The required chlorine dioxide residual concentrations range from 0.1 to 5.0 ppm. The chlorine dioxide use-solution can be applied either continuously or intermittently. The typical chlorine dioxide residual concentration range is 0.1 -1.0 ppm for continuous doses and 0.1 - 5.0 ppm for intermittent doses.

Industrial Water Treatment (once-through)

Use DREWCHLOR 3004 to generate a chlorine dioxide use-solution for controlling mollusks and other contaminants (microbiological and macrobiological) in once-through water systems. The required dosages of the chlorine dioxide use-solution will vary depending on the system type, system conditions, the degree of water contamination present and the desired level of control. Depending on the extent of infestation, the chlorine dioxide use-solution may be applied either continuously or intermittently. The residual concentration of chlorine dioxide ranges from 0.10-2 ppm for continuous application to 0.1 - 25.0 ppm for intermittent application.

STORAGE AND DISPOSAL

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

STORAGE: Keep product dry in tightly closed container when not in use. Do not drop, roll or skid drum. Keep upright. Always replace cover. Store this product in a cool, dry area away from direct sunlight and heat to avoid deterioration. In case of spill, flood area with large quantities of water. Do not reuse empty container.

PESTICIDE DISPOSAL: Pesticide wastes are acutely toxic. Improper disposal of excess pesticide or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Offer for reconditioning, if appropriate. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

IMPORTANT NOTICE: Seller warrants that the product conforms to its chemical description and is reasonable for the purposes stated on the label under normal conditions of use. THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, WHETHER WRITTEN, ORAL OR IMPLIED. THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IN OTHER RESPECTS THAN AS EXPRESSLY SET FORTH HEREIN, ARE EXPRESSLY EXCLUDED AND DISCLAIMED.

NOTE: Buyer assumes all responsibility for safety and use not in accordance with directions.