1757-315 10-30-2009

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

EPA United States Environmental Protection Agency **Office of Pesticide Programs**

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

OCT 30 2009

FILE COPY

Subject: Generox 750
EPA Registration No. 1757-315
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)

Please read instructions on reverse before completing form. Form Approved OMB No. 2070-0060 Print Form

United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
1757-315	Wanda Henson - #32	☒ None ☐ Restricted
4. Company/Product (Name) Generox 750	**PM#** # 32	

5. Name and Address of Applicant *(Include ZIP Code)*

Drew Industrial Division
One Drew Plaza, Boonton, NJ 07005

☐ *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

☐ Amendment - Explain below.
☐ Resubmission in response to Agency letter dated _____
☒ Notification - Explain below.
☐ Final printed labels in response to Agency letter dated _____
☐ "Me Too" Application.
☐ 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:

Child-Resistant Packaging	Unit Packaging	Water Soluble Packaging	2. Type of Container
☐ Yes* ☐ No	☐ Yes ☐ No	☐ Yes ☐ 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	4. Size(s) Retail Container	5. Location of Label Directions
☐ Label ☐ Container		☐ On Label ☐ On Labeling accompanying product

6. Manner in Which Label is Affixed to Product ☐ Lithograph ☐ Paper glued ☐ Stenciled ☐ Other _____

Section - IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. (Include Area Code)
Kathryn Ingram	Regulatory Specialist	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.

2. Signature	3. Title	6. Date Application Received (Stamped)
Kathryn Ingram	Regulatory Specialist	
4. Typed Name Kathryn Ingram	**5. Date** September 29, 2009	

ASHLAND

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: Generox 750; EPA Registration # 1757-315
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 Generox 750 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

Kathryn Ingram

HERCULES

NOTIFICATION
Date Reviewed: 10/30/09
Reviewed By: [illegible]

GENERO

CHLORINE DIOXIDE PRECURSOR FOR MICROBIAL CONTRO

ACTIVE INGREDIENT:	
Sodium Chlorite	7.5%
OTHER INGREDIENTS:	92.5%
TOTAL	100.0%

Available Chlorine – 11.8%

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: CORROSIVE. CAUSES EYE AND SKIN DAMAGE. Harmful if swallowed. Irritating to nose and throat. Avoid breathing vapor. Do not get in eyes, on skin or clothing. Wear goggles or face shield, rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

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 sewage treatment plant authority. For guidance, contact your State Water Board of Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

DO NOT mix with acids or other chemicals except water. Mixing with acid or other chemicals may cause evolution of chlorine dioxide gas, which is poisonous and explosive.

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 first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice if burning or irritation of the skin persists.
IF SWALLOWED	• Call a poison control center or doctor immediately for treatment advice. • Have person drink a glass of water immediately 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.
IF INHALED	• Move person to fresh air and monitor for respiratory distress. • If cough or difficulty in breathing develops, consult a physician immediately. • If person is not breathing, call 911 or an ambulance, then give artificial respiration. • Call a poison control center or doctor for further treatment advice.
For emergency medical information call 1-800-ASHLAND Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
NOTE TO PHYSICIAN Probable mucosal damage may contraindicate the use of gastric lavage.	

DIRECTIONS FOR USE

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

DIRECTIONS FOR USE IN THE SANITIZATION OF FOOD CONTACT SURFACES

Use GENEROX™ 750 in combination with FOAM ADD 10 to generate chlorine dioxide containing foam solution for use as a terminal no-rinse sanitizer for food contact surfaces, food processing equipment and utensils. Prior to application of the sanitizing foam, remove gross food particles and soil by a pre-flush or pre-scrape, and when necessary, a pre-soak treatment. Then thoroughly wash all equipment, surfaces and utensils with a suitable detergent or cleaner, followed by a potable water rinse.

Application of the foam sanitizing solution can be accomplished by manually combining 15 oz of FOAM ADD 10 with 2.5 oz of GENEROX™ 750, gently mixing for ten minutes and then immediately diluting with water to ten gallons. Alternatively, use the Rio Linda Chemical Portable Foamer or a centrally located installed system to mix the components, at the use levels noted above. Cover the entire area being treated with the foam sanitizer to a depth of 1/4 - 1". A contact time of at lease one minute is required for sanitization. Allow the foam sanitizer to thoroughly drain and dry from all equipment and surfaces prior to recontact of the sanitized surface with food or feed items.

The efficacy of GENEROX™ 750 was demonstrated to be equivalent to that of > 200 ppm NaOCl when tested against Salmonella typhi.

– DIRECTIONS FOR USE CONTINUED ON 3RD PANEL –

EPA Reg. No. 1757-315

EPA Est. No. 1757-NJ-01
1757-TX-01
5382-KS-01
70547-IL-01

NET CONTENTS MARKED ON DRUM

Sold by:

Drew Industrial Division

ASHLAND

Ashland Chemical Company
Division of Ashland Inc.

One Drew Plaza, Boonton, New Jersey 07005
Phone (973) 263-7600
24 Hour Emergency Telephone Number
1-800-274-5263 or 1-800-ASHLAND

PRI GEN-750 7/09

OX™ 750

L IN WATER AND WASTEWATER AND ON HARD SURFACES.

– DIRECTIONS FOR USE CONTINUED FROM 1ST PANEL –

DIRECTIONS FOR USE IN THE MECHANICAL OR ELECTROLYTIC GENERATION OF CHLORINE DIOXIDE AS A DISINFECTANT, OR FOR MICROORGANISM CONTROL IN WATER AND WASTEWATER SYSTEMS

GENEROX™ 750 may be used in the mechanical generation of chlorine dioxide for use in controlling microorganisms in water and wastewater systems. GENEROX™ 750 is fed to chlorine dioxide generation equipment, which produces an aqueous solution of chlorine dioxide by one of the following methods of generation:

1. The chlorine method, which uses GENEROX™ 750 and chlorine gas;
2. The hypochlorite method, which uses GENEROX™ 750 and a combination of a hypochlorite solution, and an acid;
3. The acid-chlorite method, which uses GENEROX™ 750 and an acid as the activating agent; or,
4. The electrolytic method which uses GENEROX™ 750 with sodium chloride added as needed.

Your Ashland representative can guide you in the selection, installation and operation of generation systems. Consult the instructions on the chlorine dioxide generation system before using GENEROX™ 750.

FEED REQUIREMENTS

Feed rates of GENEROX™ 750 will depend on the severity of contamination and the degree of control desired. The exact dosage will depend on the size of the system and residual necessary for effective control. Depending on the generator type GENEROX™ 750 may be diluted at the point of use to prepare a 3% to 7.5% active aqueous solution for use in the chlorine dioxide generators.

In all cases, generated chlorine dioxide solution should be applied in such a manner to ensure adequate mixing and minimal volatilization. The water stream to be treated may either be passed directly through the chlorine dioxide generator or treated via side stream injection point. The generation system employed should be in good working order and capable of achieving chlorine dioxide solutions free from chlorine contamination.

Because of the variability of demand in water and process systems, the dosage of chlorine dioxide required to achieve the target residuals is normally lower for continuous feed systems than for slug or timed feed applications. The minimum acceptable residual for chlorine dioxide, as determined by a verified procedure, is 0.1 ppm for a minimum one minute contact time.

Residual determination procedures should be substantiated methods and should also be specific for chlorine dioxide or used in systems where no chlorine contamination is possible. Do not add GENEROX™ 750 directly to process water.

APPLICATIONS POTABLE WATER AND WASTEWATER DISINFECTION: For most municipal and public potable water systems a chlorine dioxide residual concentration up to 2.0 ppm is sufficient to provide adequate disinfection. Residual disinfectant and disinfection byproducts must be monitored as required by the National Primary Drinking Water Regulations (40 CFR Part 141) and state drinking water standards. For wastewater and sewage applications, residual chlorine dioxide concentrations up to 5.0 ppm are generally adequate.

FOOD PROCESSING PLANTS, DAIRIES, BOTTLING PLANTS AND BREWERIES: For microbial control in typical food processing water systems, such as flume transport, chill water systems, hydrocoolers, beverage and brewery pasteurizers and bottle rinsing, apply GENEROX™ 750 through a chlorine dioxide generation system to achieve a chlorine dioxide residual concentration ranging from 0.25 to 5.0 ppm.

Water, containing up to 3 ppm residual chlorine dioxide may be used for washing fruits and vegetables that are not raw agricultural commodities in accordance with 21 CFR § 173.300. Treatment of the fruits and vegetables with chlorine dioxide must be followed by a potable water rinse, or by blanching, cooking or canning.

GENEROX™ 750 can also be used to generate chlorine dioxde for control microbial contamination in, and removal of chlorine and impurities from, brewery influent water. Apply the generated chlorine dioxide to influent water at a dosing level so that the residual amount of chlorine dioxide in influent water does not exceed 0.8 ppm.

POULTRY PROCESSING WATER: Use GENEROX™ 750 to generate chlorine dioxide for use as an antimicrobial agent in water used in poultry processing in an amount not to exceed 3 ppm residual chlorine dioxide as determined by an appropriate method in accordance with 21 CFR § 173.300.

AQUEOUS DISINFECTION SYSTEMS FOR CIP CLEANING: If the concentration of chlorine dioxide generated from GENEROX™ 750 exceeds 5.0 ppm, a potable water rinse should follow treatment. Care should be taken to ensure the biological and chemical quality of the potable water.

GENERAL INDUSTRIAL PROCESS WATER TREATMENT (OILFIELD INJECTION WATER, WHITE WATER PAPER MILL SYSTEMS, AND RECIRCULATING COOLING TOWERS): For control of microbial slime, these systems will require a chlorine dioxide residual concentration ranging between 0.25 and 5.0 ppm. The GENEROX™ 750 dosage needed to achieve these levels will vary widely depending on the exact application.

Please consult you Ashland representative for assistance in determining the correct dosage level.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.

STORAGE: Store this product in a cool, dry area away from direct sunlight and heat to avoid deterioration. In case of spill, flood the area with large quantities of water.

PESTICIDE WASTES: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture 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 Environment 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 fit for the purposes stated on the label under normal conditions of use. THE FOREGOING WARRANTIES ARE EXCLUSIVE AND ARE 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.

Chlorite Solution

UN 1908