

53345-20

8/15/2011

1045



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

**FILE COPY**

AUG 15 2011

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Ann Rodriguez-Koster  
Agent for Erco Worldwide  
Lewis & Harrison, LLC  
122 C Street, NW  
Suite 740  
Washington, DC 20001

Subject: Sodium Chlorite Solution 15  
EPA Reg. No. 53345-20  
Application Dated: July 22, 2011  
Receipt Date: July 25, 2011

Dear Ms. Rodriguez-Koster:

The following notification submitted in connection with registration under the provisions of PR Notice 98-10, Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) section 3(c)9 is acceptable.

**Proposed Notification:**

- Revised Storage and Disposal Section per PR Notice 2007-4

**General Comments:**

Based on a review of the material submitted, the following comments apply:

This application for notification to revise the product label, as referenced above, is acceptable. A copy has been placed in our records for future reference.

Should you have any questions or comments concerning this letter, please contact Wanda Henson at [Henson.Wanda@epa.gov](mailto:Henson.Wanda@epa.gov) or call (703) 308-6345.

Sincerely,

A handwritten signature in black ink that reads "Monisha Harris".

Monisha Harris  
Product Manager (32)  
Regulatory Management Branch II  
Antimicrobials Division (7510P)

Please read instructions on reverse before completing form.

Form Approval MB No. 2070-0060, Approval expires 05-31-98



EPA

United States  
Environmental Protection Agency  
Washington, DC 20460

- Registration
- Amendment
- Other: Notification

OPP Identifier Number  
265394

Application for Pesticide - Section I

1. Company/Product Number 53345-20	2. EPA Product Manager Monisha Harris	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) SODIUM CHLORITE SOLUTION 15	PM# 32	
5. Name and Address of Applicant (Include ZIP Code) ERCO Worldwide 302 The East Mall, Suite 200 Toronto, Ontario M9B 6C7 CANADA <b>PLEASE SEND ALL CORRESPONDENCE TO "CONTACT POINT" LISTED BELOW</b> <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

- 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 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. 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.

Signature: Ana Rodriguez-Koster Date: 7/22/11

THIS SUBMISSION IS NOT SUBJECT TO PRIA FEES

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic lined rail cars and trucks
*Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container	<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label -or- <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container Non-refillable containers - equal to or less than 5 gallons and over 5 gallons. Tank Trucks & Rail Cars		5. Location of Label Directions <input checked="" 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 checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input checked="" type="checkbox"/> Other Provided with tank trucks & rails cars		

Section - IV

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

Name <b>Ana Rodriguez-Koster, Lewis &amp; Harrison, LLC, 122 C Street NW, Ste. 740, Washington, DC 20001</b>	Title <b>Agent</b>	Telephone No. (include Area Code) <b>202-393-3903 x. 17</b>
--	-----------------------	--

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 <u>Ana Rodriguez-Koster</u>	3. Title <b>Agent</b>
4. Typed Name <b>Ana Rodriguez-Koster</b>	5. Date <b>7/22/2011</b>

# LEWIS & HARRISON

122 C Street, N.W., Suite 740  
Washington, D.C. 20001  
telephone 202.393.3903  
fax 202.393.3906

Consultants in Government Affairs

July 22, 2011

**HAND DELIVERED**

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

**ATTENTION: Monisha Harris  
Product Manager (32)**

**SUBJECT: ERCO Worldwide  
Application for Notification per PR Notice 2007-4  
ERCOCIDE CP (EPA Reg. No. 53345-17)  
Sodium Chlorite Solution 7.5 (EPA Reg. No. 53345-19)  
Sodium Chlorite Solution 15 (EPA Reg. No. 53345-20)**

Dear Ms. Harris:

On behalf of ERCO Worldwide, I am submitting a notification for the above listed products. The purpose of this notification is to revise the disposal section in accordance with PR Notice 2007-4 with the exception of the tank truck and rail car language which is exempt from the new disposal language requirements (40 CFR § 156.144(g)).

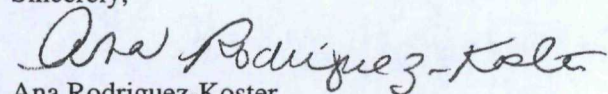
I'm also taking the opportunity to: (1) correct a number of typographical errors; (2) update establishment number information; and, (3) modify redundant statements. Note that these additional changes are consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula for these products. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statements to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, 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.

In support of this submission, I have enclosed the following documents for your review:

- 1) Application for Pesticide Notification for each product;
- 2) One (1) copy of the label with changes highlighted for each product; and,
- 3) Two (2) copies of the revised label for each product.

Thank you for your assistance with this submission. If you have any questions, or require any additional information, please feel free to call me at 202-393-3903 ext. 17 or e-mail me at [alkoster@lewisharrison.com](mailto:alkoster@lewisharrison.com).

Sincerely,



Ana Rodriguez-Koster  
Agent for ERCO Worldwide

cc: Laurie Kelly, ERCO Worldwide

# SODIUM CHLORITE SOLUTION 15

FOR USE IN GENERATING CHLORINE DIOXIDE TO CONTROL MICROORGANISMS IN POTABLE WATER, WASTE WATER, FOOD PROCESSING PLANT WATER, ONCE-THROUGH COOLING WATER SYSTEMS AND GENERAL INDUSTRIAL PROCESS WATER

## ACTIVE INGREDIENT:

Sodium Chlorite..... 15.0%  
Other Ingredients..... 85.0%  
TOTAL: 100.0%

KEEP OUT OF REACH OF CHILDREN  
**DANGER**

EPA Reg. No.: 53345-20  
EPA Est. No.: 53345-CAN-004  
53345-CAN-001

Net Contents: \_\_\_\_\_

## FIRST AID

If in eyes:	<ul style="list-style-type: none"><li>Hold eye open and rinse slowly and gently with water for 15-20 minutes, then continue rinsing eye.</li><li>Remove contact lenses, if present, after the first five minutes then continue rinsing eye.</li><li>Call a poison control center or doctor for treatment advice.</li></ul>
If on Skin or Clothing:	<ul style="list-style-type: none"><li>Take off contaminated clothing.</li><li>Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>Call a poison control center or doctor for treatment advice.</li></ul>
If Swallowed:	<ul style="list-style-type: none"><li>Call a poison control center or doctor immediately for treatment advice.</li><li>Have person sip a glass of water if able to swallow.</li><li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>Do not give anything by mouth to an unconscious person.</li></ul>
If Inhaled:	<ul style="list-style-type: none"><li>Move person to fresh air.</li><li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li><li>Call a poison control center or doctor for further treatment advice.</li></ul>

## HOTLINE 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 the Poison Center at 1-800-222-1222 for emergency medical treatment information.

**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER.** Highly corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or clothing. Wear protective clothing, goggles or face shield, and use only Neoprene gloves when handling. May be fatal if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash before reuse.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. 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 OR CHEMICAL HAZARDS

Strong oxidizing agent. Only mix or dilute with water or non-oxidizable materials. Mixing with acids, or alcohol, or other chemicals may cause evolution of chlorine and chlorine dioxide gas mixture which is toxic and may be explosive. Combustible materials contaminated with Sodium Chlorite Solution 15 may burn rapidly. Keep handling areas and equipment clean and free of oils, greases, combustibles and dust. Do not contaminate product with garbage, dirt, organic matter, paint products, solvents, acids, vinegar, beverages, oils, pine oils, dirty rags, or other foreign matter. Do not expose to hot surfaces, sparks or open flame.

## DIRECTIONS FOR USE

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

## METHOD OF APPLICATION

Chlorine dioxide generation must take place only under controlled conditions in a chlorine dioxide generator. These generators react Sodium Chlorite Solution 15 with either chlorine or a chlorine solution and hydrochloric acid producing an aqueous solution of chlorine dioxide. The chlorine dioxide solution is then added at a point in the system to be treated which ensures uniform mixing. Do not apply Sodium Chlorite Solution 15 directly to the system being treated. Follow all instructions in the chlorine dioxide generator manual carefully.

## APPLICATIONS

**POTABLE WATER AND WASTEWATER DISINFECTION:** For most municipal and other potable water systems, a chlorine dioxide concentration up to 2.0 ppm is sufficient to provide adequate disinfection. The concentration of total residual oxidants (chlorine dioxide, chlorite and chlorate) should be monitored such that it does not exceed 1.0 ppm in the distribution system. 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 AND FOOD PLANT PROCESS

**WATER:** For microbial control in food processing water systems (flume transport, chill water systems, hydrocoolers and retort cooling water) apply Sodium Chlorite Solution 15 through a chlorine dioxide generation system to achieve a chlorine dioxide residual concentration ranging from 0.25 to 5.0 ppm.

Chlorine dioxide generated from Sodium Chlorite Solution 15 may also be used as a water sanitizer for fruit and vegetable washing and cut and peeled potato products without a subsequent potable water rinse requirement, provided that the concentration of total residual oxidants meet the residual limitations of  $\leq 1.0$  ppm.

Residual concentrations up to 5.0 ppm chlorine dioxide in process water may be used for washing whole uncut and unpeeled fruits and vegetables although a final potable water rinse is required if the residual exceeds 1 ppm.

Potatoes, including those which have been peeled or cut, may be treated with sufficient chlorine dioxide to produce a residual concentration of up to 5.0 ppm provided this is followed by a potable water rinse.

**POULTRY PROCESSING WATER:** Use Sodium Chlorite Solution 15 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.

**AQUEOUS DISINFECTION SYSTEMS FOR CIP CLEANING:** Use Sodium Chlorite Solution 15 to generate a chlorine dioxide solution for sanitizing food processing equipment using a cleaning-in-place (CIP) system. If the concentration of chlorine dioxide generated from Sodium Chlorite Solution 15 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. Badly fouled systems must be cleaned before treatment.

**ONCE-THROUGH COOLING WATER SYSTEMS** Control of mollusks can be effectively accomplished using Sodium Chlorite Solution 15 as directed in commercial and industrial once-through cooling water systems. Sodium Chlorite Solution 15 may be fed on a continuous or slug basis depending on the degree of system fouling. Badly fouled systems must be cleaned before treatment.

SLUG DOSE: Add 42 to 210 lbs. of chlorine dioxide per million gallons of water (5 to 25 ppm).

CONTINUOUS DOSE: Add 2 to 16 lbs. of chlorine dioxide per million gallons of water (0.25 to 2 ppm).

NOTIFICATION  
Date Reviewed: 8-15-11  
Reviewed By: M. HARRIS

4045

## STORAGE AND DISPOSAL

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

### **Pesticide Storage:**

Avoid exposure to high temperatures during storage. Store remote from other chemicals and combustible materials. Do not skid or slide drums.

### **Pesticide Disposal:**

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 Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

### **Container Handling:**

**Tank trucks and Railcars:** Return for reuse. All valves must be closed tight and closures or caps secured.

**Containers equal to or less than 5 gallons:** Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available 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.

**Containers over 5 gallons:** Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ 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. Then offer for recycling if available 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.

### **Container Disposal:**

Triple rinse (or equivalent) all containers and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved of by state and local authorities.

Manufactured By ERCO Worldwide  
302 The East Mall, Suite 200, Toronto, Ontario, Canada M9B 6C7

MADE IN CANADA



5045