

53345-21

9/24/2014

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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

SEP 24 2014

Ms. Christina M. Swick, Agent For: ERCO Worldwide  
Lewis & Harrison Consultants in Government Affairs  
122 C Street, N.W. Suite 505  
Washington, DC 20001

Subject: Ercopure 25: EPA Reg. No. 53345-14  
Sodium Chlorite Solution 7.5: EPA Reg. No. 53345-19  
**Ercopure 37: EPA Reg. No. 53345-21**  
Sodium Chlorite Solution 31: EPA Reg. No. 53345-22  
Ercopure 31: EPA Reg. No. 53345-23  
Application Date: September 8, 2014  
Application Receipt: September 8, 2014

Dear Ms. Swick:

This acknowledges receipt of your Notification application, submitted under the provisions of FIFRA 3(c) 9 and PR Notice 98-10.

Purpose of the Notification:

The purpose of this Notification is to update the EPA Establishment Numbers. Specifically, we are changing EPA Establishment Number 701-LA-001 to EPA Establishment Number 86565-LA-002.

General Comments:

Based on the review of the information submitted, the following comments apply.

The Notification is **Acceptable**.

A copy of the accepted Notification is attached in **Regulatory File Jacket 53345-21** for future reference.

If you have questions or concerns with regard to this Agency Letter, please contact Killian Swift by email at [Swift.Killian@epa.gov](mailto:Swift.Killian@epa.gov) by telephone at **703-308-6346**. When you are submitting information or data in response to this Agency Letter, please send a copy of this Agency Letter with your response in order to facilitate processing.

Sincerely yours,

*for Wanda G. [Signature]*

Demson Fuller  
EPA Product Manager 32  
Regulatory Management Branch II  
Antimicrobials Division 7510P

Please read instructions on reverse before completing form.

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



United States  
Environmental Protection Agency  
Washington, DC 20460

- Registration
- Amendment
- Other: Notification

OPP Identifier Number

### Application for Pesticide - Section I

1. Company/Product Number <b>53345-21</b>	2. EPA Product Manager <b>Demson Fuller</b>	3. Proposed Classification
4. Company/Product (Name) <b>ERCOPURE 37</b>	PM# <b>32</b>	<input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
5. Name and Address of Applicant (Include ZIP Code) <b>ERCO Worldwide 302 The East Mall, Suite 200 Toronto, Ontario M9B 6C7 CANADA</b> <b><u>PLEASE SEND ALL CORRESPONDENCE TO</u></b> <b><u>"CONTACT POINT" LISTED BELOW</u></b> <input type="checkbox"/> Check if this is a new address		6. <b>Expedited Review.</b> 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 IN ACCORDANCE WITH PR NOTICE 98-10

*This notification is 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 of 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 this notification is not consistent with the terms of PR Notice 95-2 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be the subject to enforcement action and penalties under sections 12 and 14 of FIFRA.*

Signature: *Christina M. Swick*

Date: **September 8, 2014**

### 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 <b>Non-refillable containers - equal to or less than 5 gallons and over 5 gallons. Tank Trucks &amp; Rail Cars</b>		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"/> Other <b>Provided with tank trucks &amp; rails cars</b> <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled					

### Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)		
Name <b>Christina M. Swick, Lewis &amp; Harrison, LLC, 122 C Street NW, Ste. 505, Washington, DC 20001</b>	Title <b>Agent</b>	Telephone No. (Include Area Code) <b>202-393-3903 x. 16</b>
<b>Certification</b> 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 <b>(Stamped)</b>
2. Signature <i>Christina M. Swick</i>	3. Title <b>Agent</b>	
4. Typed Name <b>Christina M. Swick</b>	5. Date <b>September 8, 2014</b>	

# LEWIS & HARRISON

Consultants in Government Affairs

122 C Street, N.W. Suite 505  
Washington, DC 20001  
telephone 202.393.3903  
fax 202.393.3906

September 8, 2014

**HAND DELIVERED**

Antimicrobials Division (Mail Code 7504P)  
Office of Pesticide Programs  
Document Processing Desk [NOTIFY]  
U.S. Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2777 South Crystal Drive  
Arlington, VA 22202

**ATTN: Demson Fuller**  
**Product Manager, Team 32**

**SUBJECT: Notification of Changes per PR Notice 98-10**  
**ERCO Worldwide**  
**ERCOPURE 25 (EPA Reg. No. 53345-14)**  
**Sodium Chlorite Solution 7.5 (EPA Reg. No. 53345-19)**  
**ERCOPURE 37 (EPA Reg. No. 53345-21)**  
**Sodium Chlorite Solution 31 (EPA Reg. No. 53345-22)**  
**ERCOPURE 31 (EPA Reg. No. 53345-23)**

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Dear Mr. Fuller:

On behalf of ERCO Worldwide, I am notifying the Agency of a minor label change to the five (5) products listed in the subject line above. The purpose of this notification is to update the EPA Establishment Numbers. Specifically, we are changing EPA Establishment Number 70124-LA-001 to EPA Establishment Number 86565-LA-002.

Please find enclosed, for each product, the following documents to support this notification:

- 1) Pesticide Application form;
- 2) One (1) copy of the proposed product label with the changes highlighted; and,
- 3) Three (3) copies of the proposed product label.

If you have any questions or comments, please contact me at 202-393-3903 ext. 16 or cswick@lewisharrison.com.

Sincerely,

*Christina M. Swick*  
Christina M. Swick  
Agent for ERCO Worldwide

# ERCOPURE 37 SODIUM CHLORITE SOLUTION

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

**ACTIVE INGREDIENT:**

- Sodium Chlorite..... 37.0%
- OTHER INGREDIENTS..... 63.0%
- TOTAL: 100.0%

**KEEP OUT OF REACH OF CHILDREN**

## DANGER

EPA Reg. No.: 53345-21  
 EPA Est. No.: 53345-CAN-001  
 86565-LA-004

**Date Received:**

09-24-14  
Million Swift

**Net Contents:**

### PRECAUTIONARY STATEMENTS

**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 five 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 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.
- 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.

**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 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.

### 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 and wash contaminated clothing immediately.

### ENVIRONMENTAL HAZARDS

This product 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 sewerage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

### PHYSICAL OR CHEMICAL HAZARDS

Strong oxidizing agent. May 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 ERCOPURE 37 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.

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

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 ERCOPURE 37 with either chlorine or a chlorine solution and hydrochloric acid producing an aqueous solution of chlorine dioxide. This solution is then added at a point in the system to be treated which ensures uniform mixing. Alternatively, a weak acid generation of chlorine dioxide can be used. This method involves contacting sodium chlorite in an aqueous solution with citric acid. Do not apply ERCOPURE 37 directly to the system being treated. Follow all instructions in the chlorine dioxide generator manual carefully.

### APPLICATIONS

**POTABLE WATER AND WASTEWATER DISINFECTION:** For 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, such as flume transport, chill water systems, hydrocoolers and relator cooling water, apply ERCOPURE 37 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 ERCOPURE 37 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 ERCOPURE 37 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 a chlorine dioxide concentration of 0.25-5 ppm. If the concentration of chlorine dioxide generated from ERCOPURE 37 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 ERCOPURE 37 as directed in commercial and industrial once-through cooling water systems. ERCOPURE 37 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)

### STORAGE AND DISPOSAL

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

#### Pesticide Storage:

Store upright in cool, dry and well-ventilated place. Avoid excessive heat or freezing. Protect from contact with other chemicals; avoid storage with organic chemicals, acids, reducers and combustible material. Keep container tightly closed when not in use. In case of spills, flush and drain promptly to sewer with large quantities of water. Do not allow liquid to dry out because this could present a fire hazard. If fire occurs, extinguish with large volume of water. 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 directions, 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 1/4 full with water. 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 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. 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.



Certified to NSF/ANSI 60