

70845-1

12/15/1998

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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

OPP Identifier Number  
253330

## Application for Pesticide - Section I

1. Company/Product Number 70845 / 70845-1	2. EPA Product Manager Marshall Swindell	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Environ / Eco San 1000	PM# 33	
5. Name and Address of Applicant (Include ZIP Code) ENVIRON INTERCONTINENTAL LTD. 6320 Metro Plantation Rd. Ft. Myers, FL 33912 (941) 274-5003 Fax: (941) 274-5007  <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 name change of Eco San 1000 to Environ 4H<sub>2</sub>O

## 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
<b>Certification must submitted</b>	If "Yes" Unit Packaging wgt. 10#	No. per container 1 gallon	If "Yes" Package wgt.	<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) Retail Container 8oz., 1 qt., 1, 5, 30, 50, 275 gal.	5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product		<input type="checkbox"/> Other (Specify) _____	
6. Manner in Which Label is Affixed to Product <input checked="" 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 Fred Richter	Title Exec. V.P./Dir of Eng.	Telephone No. (Include Area Code) 941-274-5003
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 Exec. V.P./Dir. of Eng.	
4. Typed Name Fred Richter	5. Date December 7, 1998	

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# Environ 4H<sub>2</sub>O

Algaecide/Bactericide

DANGER

KEEP OUT OF REACH OF CHILDREN

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Corrosive. For use only as a diluted product. Concentrate may cause irreversible eye damage. Wear goggles or safety glasses when handling concentrate. Concentrate can be harmful if swallowed, inhaled or absorbed through skin. Do not get on clothing. Wash thoroughly with soap and water after handling.

## STATEMENT OF PRACTICAL TREATMENT

Eyes: In case of eye contact, flush with plenty of potable water for at least 15 minutes and CALL A PHYSICIAN. Skin: If contact occurs, wash thoroughly with soap and water. If Swallowed: If accidental ingestion occurs, drink large quantities of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Call a physician or Poison Control Center.

EPA Reg. No. 70845-1

EPA Est. No 70845-FL-001

For Emergency  
Assistance Call

(941)274-5003

Non-Flammable

### INGREDIENTS

Active ingredient

Copper as Metallic\*.....5.0%

Inert Ingredients.....95.0%

Total.....100.0%

\*From Copper Sulfate Pentahydrate

Environ Intercontinental, Ltd.  
6320 Metro Plantation Road  
Fort Myers, FL 33912

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GENERAL INFORMATION  
TROUBLESHOOTING CALL 1-941-274-5003  
STORAGE AND DISPOSAL

EPA REG. NO. 70845-1

Environ 4H<sub>2</sub>O is an innovative and unique formulation used for the suppression of bacterial odors and toxic gases in sewage lagoons, feedlot runoff pits, animal confinement facilities, and other ponds containing organic matter or algae/bacteria. Environ 4H<sub>2</sub>O may also be used to control algae, bacteria and pond weed in irrigation reservoirs, ponds, and potable water supplies.

PRECAUTIONARY STATEMENTS  
Hazards to Humans and Domestic Animals

**DANGER**

Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Wear goggles or safety glasses. Harmful if swallowed, inhaled or absorbed through skin. May cause allergic skin response. Avoid contact with skin. Wash thoroughly with soap and water after handling.

STATEMENT OF PRACTICAL TREATMENT:

Eyes: In case of eye contact, flush with plenty of potable water for at least 15 minutes and CALL A PHYSICIAN.

Skin: If contact occurs, wash thoroughly with soap and water.

If Swallowed: If accidental ingestion occurs, drink large quantities of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Call a physician or Poison Control Center.

ENVIRONMENTAL HAZARDS:

Fish and Aquatic Organisms: This product is toxic to fish. Direct application of Environ 4H<sub>2</sub>O to water may cause a significant reduction in populations of aquatic invertebrates, plants and fish. Do not treat more than one-half of a lake or pond at one time in order to avoid depletion of oxygen from decaying vegetation. Allow 1 to 2 weeks between treatment for oxygen levels to recover. Trout and other species of fish may be killed at application rates recommended on this label, especially in soft or acidic waters. Do not contaminate water when disposing of equipment wash waters. (See Disposal Instructions) Consult your local State Fish and Game Agency before applying this product to public waters. Permits may be required before treating such waters.

STORAGE AND DISPOSAL:

Application, handling or storage equipment MUST consist of either fiber, fiberglass, PVC's, polypropylenes, viton, most plastics, aluminum or stainless steel. Never use mild steel, nylon, brass or copper around full strength Environ 4H<sub>2</sub>O.

Always rinse equipment free and clean of Environ 4H<sub>2</sub>O each night with plenty of fresh, clean water. Always store Environ 4H<sub>2</sub>O above 32 degrees F. Freezing may cause

product separation. Seller makes no warranty for the performance of product which has been frozen. Spray over entire area of lagoon or mix thoroughly until completely dispersed with the sewage.

Useful formulas for calculating water volume and flow rates:  
Multiply the water volume in cubic feet times 7.5

Note: 1 C.F.S./Hr. = 27,000 gallons

1 Acre foot = 326,000 gallons

DIRECTIONS FOR USE:

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

PROHIBITIONS:

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

Storage: Store in a safe place away from PETS AND KEEP OUT OF THE REACH OF CHILDREN. Store away from excessive heat. Environ 4H<sub>2</sub>O shall be stored and handled in stainless steel, fiberglass, polypropylenes, PVC's or plastic equipment. Keep away from galvanized pipe, and any nylon storage handling equipment.

PESTICIDE DISPOSAL: Excess Environ 4H<sub>2</sub>O should be disposed of through use. Do not contaminate lakes, rivers, or streams as this may cause fish kill. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or spray mixture is a violation of federal law. If these wastes cannot be disposed 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.

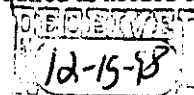
In the event of a spill, neutralize with limestone or baking soda before disposal. May deteriorate concrete.

CONTAINER DISPOSAL: Do not re-use empty container. Dispose of empty containers in a sanitary landfill or if by incineration, stay out of smoke.

GENERAL BACTERIAL ODOR CONTROL:

Application rates may vary depending on amounts of organic matter (sewage) in lagoons and pits. Applications should be done by pouring Environ 4H<sub>2</sub>O directly from the container into the pit or lagoon. Several application points speed up dispersal. Use one gallon of full strength Environ 4H<sub>2</sub>O in 60,000 (8,000 cubic feet) of sewage. For fastest results disperse Environ 4H<sub>2</sub>O evenly throughout sewage. Bacterial odors should be noticeably reduced in 12 weeks. Repeat application when odors occur.

Feedlot Runoff Lagoons: Add a portion of the required dosage of Environ 4H<sub>2</sub>O at several locations around the lagoon to speed dispersion of the product. A minimum of two applications per year (spring and fall) is recommended. Additional applications may be required as needed or when the lagoon is pumped.



Animal Confinement Pits: If pits are located under the confinement buildings, add Environ 4H<sub>2</sub>O directly to these pits. If the pits are outside, add Environ 4H<sub>2</sub>O to transfer line to the pit.

Other Organic Sludges: Environ 4H<sub>2</sub>O must be thoroughly mixed with sludge. Apply at the rate of one gallon Environ 4H<sub>2</sub>O in 30,000 gallons of sludge.

#### GENERAL ALGAE/BACTERIA CONTROL:

For algae/bacteria control, apply in the spring or early summer when algae/bacteria first appear. The dosages are variable, and depend upon algae/bacteria species, water hardness, water temperature, amount of algae/bacteria present as well as whether water is clear, turbid, flowing or static. Preferably, the water should be clear with temperatures above 60 degrees F (15.6 degrees C). Higher dosages are required at lower water temperatures, higher algae/bacteria concentrations and for hard waters. Applications should be done by pouring Environ 4H<sub>2</sub>O directly from the container into the lakes, ponds, reservoirs, irrigation canals or swimming pools. Several application points speed up dispersal. Static water requires less chemical for algae/bacteria control than does flowing water. Use higher dosages for chara, natelli and filamentous algae (pond scum) and lower doses for platonic algae. If there is uncertainty about the dosage, begin with a lower dose and increase until control is achieved, or until the maximum allowable level has been reached.

Treatment of algae can result in oxygen loss from the decomposition of dead algae. This loss can cause fish suffocation. If the algae covers more than one-third of the total water area, treat in sections. Treat one-third to one-half of the water area in a single operation and wait for 10 to 14 days between treatments. Begin treatment along the shore and proceed outward in bands to allow fish to move into untreated areas. In regions where ponds freeze in winter, treatment should be done 6 to 8 weeks before expected freeze time to prevent masses of decaying algae under an ice cover.

Trout and certain other species of fish may be harmed at recommended application rates, especially in soft or acidic waters. Before treating bodies of water, consult proper state authorities, such as the fisheries commission or conservation department to obtain any necessary permits.

In lakes, ponds, and reservoirs: For fastest results disperse Environ 4H<sub>2</sub>O evenly throughout the pond. Apply at the rate of one pint Environ 4H<sub>2</sub>O in 7,500 - 300,000 gallons. For best results, apply to warm still water on a sunny day when algae are near the surface. For potable water systems, do not exceed the total dosage of one gallon in 60,000 gallons of water (1 ppm metallic copper).

Swimming Pool Water: Treated sealed pool effluent should not be discharged where it will drain into lakes, streams, ponds, or public water. Can be used for pools with marble dust or marcite finish. Apply at the rate of (2-4) quarts of Environ 4H<sub>2</sub>O per 60,000 gallons (8,000 cu. ft). This will yield a rate of from .5 ppm to 1.0 ppm metallic copper. Application should be made before visible algae appear.

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Where visible algae are present, apply at the higher rate. For maintenance dosages and where visible algae are not present, use the lower rate. Repeat maintenance dosages to maintain the recommended concentration and avoid excessive buildup of metallic copper. Environ 4H<sub>2</sub>O may be used to help control pool odors and algae during the winter months. Maintain the higher rate while the pool is not being used during the winter.

#### LIMITED WARRANTY AND LIMITATION OF REMEDIES:

Seller warrants that the product conforms to the chemical description and is reasonably fit for the purpose stated on the label for use under normal conditions, but makes no other warranties or FITNESS OF MERCHANTABILITY expressed or implied, or any other warranty if the product is used contrary to the label instructions, or under normal conditions not foreseeable to the seller. In no case shall the seller be liable for more than the cost of this product to the buyer, and will in no event be liable for any consequent, special or indirect damages connected with the use or handling of this product. This product is offered and the buyer or user accepts it subject to the foregoing terms which may be not be varied.

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