



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
67652-1

Date of Issuance:

Term of Issuance:
Conditional

NOTICE OF PESTICIDE:
 X Registration
 Reregistration

(under FIFRA, as amended)

Name of Pesticide Product:
Eco San 1000

Name and Address of Registrant (include ZIP Code):

Bactrol Laboratories, Inc.
211 West Palmetto
Arcadia, FL 33821-3815

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes listed below before you release the product for shipment:

a. Add the phrase, "EPA Reg. No. 67652-1".

b. At the beginning of the appropriate section, add the heading:

Storage and Disposal.

Above the appropriate paragraphs in this section, add the headings:

Pesticide Disposal

Container Disposal

Refer to PR Notice 83-3.

Signature of Approving Official:

/s/

Date:

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c. Since this product is in Toxicity Category I - DANGER, the Statements of Practical Treatment must appear on the front panel.

3. Submit one (1) copy of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Cynthia Giles-Parker
Product Manager (22)
Fungicide-Herbicide Branch
Registration Division (7505C)

Enclosure

Jacket 385

ECO SAN 1000

Algicide/Bactericide

DANGER KEEP OUT OF REACH OF CHILDREN

PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals

ACCEPTED
with COMMENTS
In EPA Letter Dated:
FEB. 28

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.

EPA Reg. No.
EPA Est. No.
Lot No. _____
Net Contents:

For Emergency Assistance Call
(813) 592-1525
Non-Flammable

INGREDIENTS
Active ingredient
Copper as Metallic*.....5.0%
Inert Ingredients.....95.0%

DO NOT FREEZE

Total.....100.0%
*From Copper Sulfate Pentahydrate

Manufactured by: **BACTROL LABORATORIES, INC.**
211 WEST PALMETTO
ARCADIA, FLORIDA

Form 60CP
Form 90

67652-1

**GENERAL INFORMATION
TROUBLESHOOTING CALL 1-813-592-1525
STORAGE AND DISPOSAL**

ECO SAN 1000 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. ECO SAN 1000 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 ECO SAN 1000 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.

**APPLICATION AND HANDLING
EQUIPMENT:**

Application, handling or storage equipment MUST consist of either fiber, fiberglass, PVC's, polypropylenes, vites, most plastics, aluminum or stainless steel. Never use mild steel, nylon, brass or copper around full strength ECO SAN 1000.

Always rinse equipment free and clean of ECO SAN 1000 each night with plenty of fresh, clean water. Always store ECO SAN 1000 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

BEST AVAILABLE COPY

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, storage or disposal.

Storage: Store in a safe place away from PETS AND KEEP OUT OF THE REACH OF CHILDREN. Store away from

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excessive heat. ECO SAN 1000 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.

Patented

Disposal: Excess ECO SAN 1000 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: 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 ECO SAN 1000 directly from the container into the pit or lagoon. Several application points spread up dispersal. Use one gallon of full strength ECO SAN 1000 in 60,000 (8,000 cubic feet) of sewage. For fastest results disperse ECO SAN 1000 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 ECO SAN 1000 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 ECO SAN 1000 directly to these pits. If the pits are outside, add ECO SAN 1000 to transfer line to the pit.

Other Organic Sludges: ECO SAN 1000 must be thoroughly mixed with sludge fully at the rate of one gallon ECO SAN 1000 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 ECO SAN 1000 directly from the container into the lakes, ponds, reservoirs, irrigation canals or swimming pools. Several application points spread up dispersal. Static water requires less chemical for algae/bacteria control than does flowing water. Use higher dosages for chain, netlike 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.

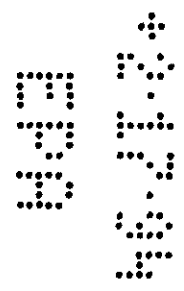
Treat and certain other species of fish may be harmed at recommended application rates, especially in soft or acidic waters. Before treating bodies of water, consult proper state authorities, such as the fisheries commission or conservation department to obtain any necessary permits.

In lakes, ponds, and reservoirs: For fastest results disperse ECO SAN 1000 evenly throughout the pond. Apply at the rate of one pint ECO SAN 1000 in 7,500 - 300,000 gallons. For best results, apply in 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 ponds with marble dust or amacite finish. Apply at the rate of (2-4) quarts of ECO SAN 1000 per 60,000 gallons (8,000 cu. ft). This will yield a rate of from 1 ppm to 1.5 ppm metallic copper. Application should be made before visible algae appear. 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. ECO SAN 1000 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 consequential, 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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