

64962-1

2/6/2009

10 of 18



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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

FEB 6 2009

Mr. Lawrence McLeroy
Director of Technology, Research and Development
Earth Science Laboratories, Inc.
113 SE 22nd Street, Suite 1
Brentonville, AR 72712

Re: Notification of Alternate Brand Name: Aquadrop
EPA Registration No.: 64962-1
Date of Submission: November 14, 2008

Dear Mr. McLeroy:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated November 14, 2008, for the product Earth Tech. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Joyce Edwards of my staff at 703-308-5479.

Sincerely,

A handwritten signature in black ink, appearing to be "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060

| | | | |
|--|---|--|--|
| | United States Environmental Protection Agency Washington, DC 20460 | <input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input type="checkbox"/> Other | OPP Identifier Number |
| | Application for Pesticide - Section I | | |
| | 1. Company/Product Number 64962-1-85829 | 2. EPA Product Manager Tony Kish | 3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name) EarthTec | | PM# <u>22</u> | |
| 5. Name and Address of Applicant (Include ZIP Code) Earth Science Laboratories, Inc. 113 SE 22nd Street, Suite 1, Bentonville, AR 72712 <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. <u>64962-1-85829</u> NOTIFICATION Product Name <u>AQUADROP</u> FEB 6 2009 | |

Section - II

| | |
|--|---|
| <input type="checkbox"/> Amendment - Explain below. <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input checked="" type="checkbox"/> Notification - Explain below. | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application. <input type="checkbox"/> Other - Explain below. |
|--|---|

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Alternative brand name of "AQUADROP" will be used for water treatment. This notification is consistent with 40 CFR 152.46 and PR Notice 98-10 allowing registrants to add alternate brand names. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I...(see attached page)

Section - III

| | | | |
|--|---|---|---|
| 1. Material This Product Will Be Packaged In: | | | |
| Child-Resistant Packaging <input checked="" type="checkbox"/> Yes* <input type="checkbox"/> No | Unit Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No * Certification must be submitted | Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____ |
| If "Yes" Unit Packaging wgt. 30, 55 qal | No. per container 1 | If "Yes" Package wgt | No. per container |
| 3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container | | 4. Size(s) Retail Container 30, 55 gal. | 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 checked="" type="checkbox"/> Lithograph Paper glued Stenciled <input checked="" 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 Lawrence McLeroy | Title Director of Tech., R & D | Telephone No. (Include Area Code) 479-271-7381 |
| 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 Director of Technology, Research & Devel | |
| 4. Typed Name Lawrence McLeroy | 5. Date November 14, 2008 | |



clean water for the planet

Earth Science Laboratories, Inc.
113 S.E. 22nd St., Suite 1
Bentonville, Arkansas 72712

Phone 800.257.9283
Fax 479.271.7693
www.earthsciencelabs.com

November 14, 2008

**Document Processing Desk (NOTIF) Office of Pesticide
Programs (7504C)**
U.S. Environmental Protection Agency
1200 Pennsylvania Ave.
N.W. Washington D.C. 20460

Re: Notification Changes to an Alternative Brand Label from Master Label 64962-1

Earth Science Laboratories, Inc. is requesting an alternative brand label. The alternative brand name is AQUADROP. Information for the label will comply with the master label EarthTec. This alternate brand name label has these changes:

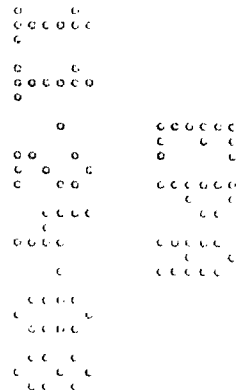
- Name on label is AQUADROP
- Other language on the label is the same as the approved language on the "Master Label" EarthTec. Some of the boxes have been rearranged to fit the size of the label and containers, but all language requirements are in places approved by PR-Notice 98-10

Enclosed is a copy of the Master Label, EPA form 8570-1, explanation letter of changes to alternative label, and three (3) AQUADROP labels.

Sincerely,

Lawrence McLeroy
Director of Technology, Research and Development

Enc.



NOTIFICATION
FEB 2009

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

DANGER

Caustic: Causes irreversible eye damage. Do not get in eyes or on clothing. Avoid contact with skin. Wear protective eyewear (goggles, face shield or safety glasses). Harmful if swallowed, inhaled or absorbed through skin. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

ENVIRONMENTAL HAZARDS

Fish and Aquatic Organisms: This product is toxic to fish. Direct application of copper sulfate 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 a time to avoid depletion of oxygen from decaying vegetation. Allow 1 to 2 weeks between treatments 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.

Endangered Species Restrictions: It is a violation of federal law to use any pesticide in a manner that results in the death of an endangered species or adverse modification of their habitat. The use of this product may pose a hazard to certain federally designated endangered species known to occur in specific areas within the following counties:

| STATE | SPECIES | BULLETIN | COUNTY |
|------------|--------------------|--------------|--|
| California | Solano Grass | EPA/ES-85-13 | Solano |
| Tennessee | Slackwater Darter | EPA/ES-85-04 | Lawrence Wayne |
| | Freshwater Mussels | EPA/ES-85-07 | Hancock Clatsone Hawkins Sullivan |
| Alabama | Slackwater Darter | EPA/ES-85-05 | Lauderdale Madison |
| Virginia | Freshwater Mussels | EPA/ES-85-08 | Grayson Smith Warrington Lee |

PLEASE NOTE: Before using this product in the above counties you must obtain the EPA bulletin specific to your area. This bulletin identifies areas within these counties where the use of this pesticide is prohibited unless specified otherwise. The EPA bulletin is available from either your county Agricultural Extension Agent, the Endangered Species Specialist in your State Wildlife Agency Headquarters or the appropriate Regional Office of the U.S. Fish and Wildlife Service.

THIS BULLETIN MUST BE REVIEWED PRIOR TO PESTICIDE USE.

FOR CHEMICAL EMERGENCY
 Call HFO/OTAC 1-800-535-5053
 Non-Flammable Do Not Freeze

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear

- Long-sleeved shirt
- Long pants
- Chemical-Resistant gloves made of any waterproof material
 Chemical Resistance Category A
- Protective eyewear
- Shoes plus socks

Maintain the clothing separately from other laundry and wash with detergent and hot water, or according to manufacturer's label. If these items become drenched with the product's concentrate, discard the clothing and do not reuse.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirement specific to your state and tribe, consult the agency responsible for pesticide regulation.

SPECIFIC DIRECTIONS FOR USE

To Control Algae in Irrigation Conveyance Systems, Impounded Waters, Lakes, Ponds, Lagoons and Reservoirs: For best results, disperse AQUADROP evenly throughout the body of water on a sunny day when algae are near the surface. For fish-bearing lakes, ponds, drinking water reservoirs, irrigation canals and other applications, apply at the rate of one quart of AQUADROP per 250,000 gallons of water, or one gallon of AQUADROP per 1,000,000 gallons of water. This will yield a rate of 0.06 ppm metallic copper. For applications without fish or for wastewater lagoons apply at the rate of one quart of AQUADROP per 15,000 gallons of water, or one gallon of AQUADROP per 60,000 gallons of water. This will yield a rate of 1.0 ppm metallic copper. For potable water, do not exceed one gallon of AQUADROP per 60,000 gallons of water under any circumstances. Do not apply copper sulfate to water less than 40 ppm alkalinity without first doing a preliminary toxicity test on fish in the water in a separate container. Copper sulfate may be very toxic to trout or other species in soft or acidic water so preliminary testing is necessary.

AQUADROP is certified by the National Sanitation Foundation International for use in drinking water systems. The finished drinking water should be monitored to ensure that levels of copper do not exceed 1.3 mg/L.

AQUADROP
Algicide/Bactericide



Certified to NSF/ANSI 60

ACTIVE INGREDIENTS:

| | |
|------------------------------|---------------|
| Copper Sulfate Pentahydrate* | 19.8% |
| Inert Ingredients | 80.2% |
| Total | 100.0% |

*Metallic Copper Equivalent Equal 5%

EPA REG. NO. 64962-1-8529
 EPA EST. NO. 64962-NE-001

NET CONTENTS:

| |
|---------------------------------|
| 30 gal. / 113.56 L |
| 55 gal. / 208.19 L |
| 275 gal. / 1040.99 L |
| 9.9 lb. per gallon / 1.188 kg/L |

DIST. BY: AQUADROP HOLDINGS INC.
 P.O. Box 130020
 Ann Arbor, Michigan 48113 USA
 Phone: (734) 786-3218

Lot Number

KEEP OUT OF REACH OF CHILDREN
DANGER - PELIGRO

If you do not understand this label, find someone to explain it to you in detail.
 Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

FIRST AID

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 IN EYES: Hold eye open and rinse slowly and gently with water for 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of soap and water for 15 to 20 minutes. Call a poison control center or doctor for treatment.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

SEE ADDITIONAL PRECAUTIONARY STATEMENTS

GENERAL INFORMATION

AQUADROP is an innovative, unique formulation used for the suppression of bacteria and toxic gases in sewage lagoons, feedlot run-off pits, animal confinement facilities and other ponds containing organic matter or algae/bacteria. AQUADROP may be used to control algae and suppress bacterial growth in irrigation, reservoirs, ponds, agricultural ponds, livestock watering systems, lagoons and potable water supplies. AQUADROP also may be used to control bacteria growth on cattle hooves. AQUADROP inhibits or suppresses the growth of bacteria. When used as directed on this label, it is a bactericide.

APPLICATION AND HANDLING EQUIPMENT

Application, handling or storage equipment MUST consist of either fiberglass, PVC, polypropylene, viton, most plastics or stainless steel. Never use mild steel, nylon, aluminum, brass or copper around full strength AQUADROP. Always use equipment free and clean of AQUADROP each night with plenty of fresh, clean water. Always store AQUADROP above 32° F. Freezing may cause product separation. Seller makes no warranty for the performance of product which has been frozen.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a safe place away from pets and keep out of the reach of children. Store away from excessive heat. AQUADROP will freeze. Always keep containers closed. Store AQUADROP in its original container. Keep away from galvanized pipe and any nylon storage handling equipment.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess AQUADROP, spray mixture or residue 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 in the event of spill, neutralize with limestone or baking soda before disposal. May deteriorate concrete.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

GENERAL BACTERIA CONTROL

Application rates may vary depending on amounts of organic matter (sewage) in lagoons and pits. Application should be done by pouring AQUADROP directly from the container into the pit or lagoon. Several application points spaced up dispersal. Use one gallon of full strength AQUADROP in 60,000 gallons (8,000 cubic feet) of sewage. Bacteria and odors should be noticeably reduced in 1 to 2 weeks. Repeat application when odor recurs.
Feedlot Run-Off Lagoons: Add a portion of the required dosage of AQUADROP at several locations around the lagoon to speed dispersal of

the product. A minimum of two applications per year (spring and fall) is recommended. Additional applications may be required as needed when the lagoon is pumped.
Animal Confinement Pits: If pits are located under the confinement buildings, add AQUADROP directly to these pits. If the pits are outside, add AQUADROP to the transfer line to the pit.
Other Organic Sludge: AQUADROP must be thoroughly mixed with sludge. Apply at the rate of one gallon AQUADROP in 30,000 gallons of sludge.
Livestock Watering Systems: Apply at the rate of one gallon AQUADROP in 60,000 gallons of water.

GENERAL ALGAE CONTROL

For algae control, apply in the late spring or early summer when algae first appear. The dosages are variable and depend upon algae species, water hardness, water temperature, amount of algae present, as well as whether water is clear, turbid, flowing or static. Preferably, the water should be clear with temperature above 60 degrees F (15.6 degrees C). Higher dosages are required at lower water temperatures, higher algae concentrations and for hard waters. Application should be done by pouring AQUADROP directly from the container into the lakes, ponds, reservoirs or irrigation canals. Several application points speed up dispersal. Static water requires less chemical for algae control than does flowing water. Use higher dosages for charr, millets and filamentous algae (pond scum) and lower dosages for planktonic algae. If there is uncertainty about the dosage begin with a lower dosage 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 cover more than one-third of the total water area, treat in sections. Treat 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 to prevent masses of decaying algae under an ice cover. Trout and certain other species of fish may be killed 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.

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 of FITNESS OR MERCHANTABILITY expressed or implied, or any other warranty if the product is used contrary to the label instructions, or under abnormal conditions or under 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 not be varied.

Manufactured by: Earth Science Laboratories, Inc.
 113 SE 22nd Street, Suite 1
 Bartonsville, WI 53212
 Phone: (800) 257-3223

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**MASTER LABEL
FOR EARTHTEC, EPA REG. NO. 64962-1**

Sub-Label Product Names

EARTHTEC
Algicide/Bactericide
For Lakes, Ponds, Reservoirs, Canals, Lagoons, And Other Similar Systems, and Foot Baths for Cattle

Aquatrols/RADIANCE™
Algicide
For Lakes and Ponds

AGRITEC
Algicide/Bactericide For Lakes, Ponds Reservoirs, Canals, Lagoons, Aquaculture systems, And Irrigation Systems

PRISTINEBLUE
Algicide and Bactericide for Swimming Pools, Spas and Hot Tubs

Algae Shield™

All Uses and All Sub-Labels:

ACTIVE INGREDIENTS:

| | |
|---|--------|
| From Copper Sulfate Pentahydrate* | 19.8%* |
| Inert Ingredients | 80.2% |
| TOTAL | 100.0% |

*Metallic Copper Equivalent Equal ---- 5%

THIS PRODUCT WEIGHS 9.9 LBS PER GALLON

NOTIFICATION

FL 2009

NOTIFICATION

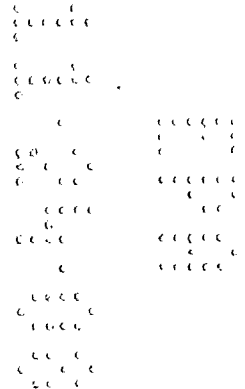
FEB 6 2009

ACCEPTED
with COMMENTS
In EPA Letter Dated:

FEB 19 2009

Under the Federal Insecticide, Fungicide, and Rodenticide Act, this product is registered under FIFRA section 24(b) as a restricted use pesticide.

64962-1



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All Uses and All Sub-Labels:

KEEP OUT OF REACH OF CHILDREN

**DANGER
PELIGRO**

Si Usted no entiende la etiqueta, busque a alguien para que se la explique a Usted en detalle.
(If you do not understand this label, find someone to explain it to you in detail.)

FIRST AID

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 ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of soap and water for 15 –20 minutes. Call a poison control center or doctor for treatment.

If IN EYES: Hold eye open and rinse slowly and gently with water for 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for advice

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

All Uses and All Sub-Labels:

MFG. BY: Earth Science Laboratories, Inc.
106B North 37th Street
Rogers, AR 72756
Phone: 800-257-9283

EPA REGISTRATION NO.: 64962-1
EPA ESTABLISHMENT NO.: 64962-NB-001

EARTHTEC Sub-Label:

NET CONTENTS: FIVE (5) U.S. GALLON
9.9 lbs. Per Gallon
1.188 kg/L

RADIANCE™ Sub-Label:



NET CONTENTS: 9.9 lbs. Per Gallon
1.188 kg/L
FIVE (5) U.S. GALLONS

THIRTY (30) U.S. GALLONS

AGRITEC Sub-Label:

NET CONTENTS: 9.9 lbs. per Gallon
1.188 kg/L

PRISTINEBLUE and Algae Shield™ Sub-Labels:

NET CONTENTS: 64 FL. OZS. (1,896 ML)
9.9 lbs. Per Gallon
1.188 kg/L

All Uses and All Sub-Labels:

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

DANGER

Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Avoid contact with skin. Wear protective eyewear (goggles, face shield, or safety glasses). Harmful if swallowed, inhaled, or absorbed through skin. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

EARTHTEC, RADIANCE™, and AGRITEC Sub-Labels:

ENVIRONMENTAL HAZARDS

Fish and Aquatic Organisms: This product is toxic to fish. Direct application of copper sulfate 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 to avoid depletion of oxygen from decaying vegetation. Allow 1 to 2 weeks between treatments for oxygen levels to recover.

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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.

Endangered Species Restrictions: It is a violation of Federal laws to use any pesticide in a manner that results in the death of an endangered species or adverse modification of their habitat. The use of this product may pose a hazard to certain federally designated endangered species known to occur in specific areas within the following counties:

| State | Species | Bulletin No. | County |
|------------|--------------------|--------------|------------|
| California | Solano Grass | EPA/ES-85-13 | Solano |
| Tennessee | Slackwater Darter | EPA/ES-85-04 | Lawrence |
| | | | Wayne |
| | | | Hancock |
| Alabama | Slackwater Darter | EPA/ES-85-05 | Claiborne |
| | | | Hawkins |
| | | | Sullivan |
| | | | Lauderdale |
| | | | Limestone |
| Virginia | Freshwater Mussels | EPA/ES-85-06 | Madison |
| | | | Grayson |
| | | | Smyth |
| | | | Scott |
| | | | Washington |
| | | | Lee |

All Uses and All Sub-Labels:

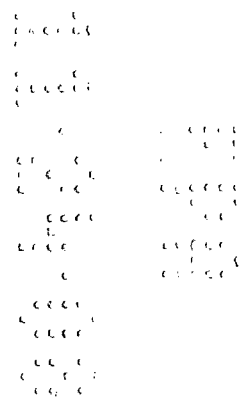
PLEASE NOTE: Before using this product in the above counties you must obtain the EPA bulletin specific to your area. This Bulletin identifies areas within these counties where the use of this pesticide is prohibited unless specified otherwise. The EPA Bulletin is available from either your County Agricultural Extension Agent, the Endangered Species Specialist in your State Wildlife Agency Headquarters or the appropriate Regional Office of the U.S. Fish and Wildlife Service.

For Chemical Emergency
Call INFOTRAC 1-800-535-5053

Non – Flammable. Do Not Freeze.

All Uses and All Sub-Labels:

THIS BULLETIN MUST BE REVIEWED PRIOR TO PESTICIDE USE



EARTHTEC, RADIANCE™, and AGRITEC Sub-Labels:

PERSONAL PROTECTIVE EQUIPMENT:

Applicators and other handlers must wear:

- Long-sleeved shirt,
- Long pants,
- Chemical-resistant gloves made of any waterproof material. Chemical resistance category A.
- Protective eyewear, and
- Shoes plus socks.

Maintain this clothing separately from other laundry and wash with detergent and hot water, or according to manufacturer's label. If these items become drenched with this product's concentrate, discard the clothing and do not re-use.

PRISTINEBLUE and Algae Shield™ Sub-Labels:

Use to Control Algae and Suppress Growth of Bacteria in Swimming Pools:

Use chemical-resistant gloves made of any waterproof material. Chemical resistance category A.

EARTHTEC, RADIANCE™, PRISTINEBLUE, and Algae Shield™ Sub-Labels:

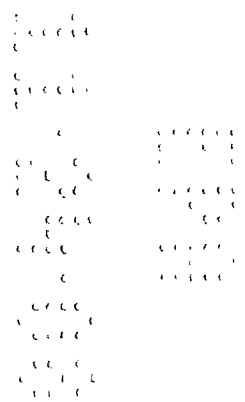
DIRECTIONS FOR USE

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

AGRITEC Sub-Label:

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirement specific to your State and Tribe, consult the agency responsible for pesticide regulation.



AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on the label about personal protective equipment (PPE), restricted re-entry interval, and notification to workers. There is no restricted entry interval for this product. If contact with areas (i.e., the water, soil, sludge or plants) that were treated is expected within the first 24 hours after treatment, agricultural workers are required to use the same protection as applicators – coveralls, protective eyewear, chemical resistant gloves (i.e., gloves made of any waterproof material), and shoes plus socks.

EARTHTEC Sub-Label:

GENERAL INFORMATION

EARTHTEC is an innovative, unique formulation used for the suppression of bacteria and toxic gases in sewage lagoons, feedlot run-off pits, animal confinement facilities and other ponds containing organic matter or algae/bacteria. EARTHTEC may be used to control algae and pond weed and suppress bacterial growth in irrigation, reservoirs, ponds, aquacultural ponds, livestock watering systems, lagoons, and potable water supplies. Earthtec may also be used to control bacteria growth on cattle hoofs. .

RADIANCE™ Sub-Label:

GENERAL INFORMATION

RADIANCE™ is an innovative, unique formulation used to control algae in irrigation reservoirs, ponds, lakes and irrigation conveyance systems.

AGRITEC Sub-Label:

GENERAL INFORMATION

AGRITEC is an innovative formulation used for suppression of bacteria and toxic gases in sewage lagoons, feedlot run-off pits, animal confinement facilities and other ponds containing organic matter, algae, and in some uses bacteria. AGRITEC may also be used to control algae and suppress bacterial growth in irrigation reservoirs, ponds, flooded rice and wild rice fields, aquaculture ponds, biological fish ponds or systems, and in chemigation systems.

PRISTINEBLUE Sub-label:

GENERAL INFORMATION

PRISTINEBLUE is an innovative, unique formulation used for control of algae and suppression of bacterial growth in private and public pools, spas and hot tubs.

Algae Shield™ Sub-label:

GENERAL INFORMATION

Algae Shield™ is an innovative, unique formulation used for control of algae in private & public pools, spas and hot tubs.

EARTHTEC/AGRITEC/RADIANCE™/PRISTINE BLUE Sublabel:

EARTHTEC/AGRITEC/RADIANCE/PRISTINE BLUE inhibits or suppresses the growth of bacteria. When used as directed on this label, it is a bactericide.

EARTHTEC/AGRITEC sublabel:

EARTHTEC/AGRITEC also extends the shelf life of fruits and vegetables when used as directed on this label.

RADIANCE™, PRISTINE BLUE, and Algae Shield™ Sub-labels:

APPLICATION AND HANDLING EQUIPMENT

Application, handling or storage equipment MUST consist of either fiberglass, PVC, polypropylene, viton, most plastics, stainless steel. Never use mild steel, nylon, brass or copper around full strength RADIANCE/PRISTINEBLUE/Algae Shield™.

Always rinse equipment free and clean of RADIANCE/PRISTINEBLUE/Algae Shield™ each night with plenty of fresh, clean water.

Always store RADIANCE/PRISTINEBLUE/Algae Shield™ above 32 degrees F. Freezing may cause product separation. Seller makes no warranty for product which has been frozen. Useful formulas for calculating water volume and flow rates. To find the capacity of water storage containment in gallons, multiply the water volume in cubic feet times 7.5.

NOTE: 1CFS/hr = 27,000 gallons

1 Acre foot = 326,000 gallons

EARTHTEC AND AGRITEC Sub-Labels:

APPLICATION AND HANDLING EQUIPMENT

12/01/18

Application, handling or storage equipment MUST consist of either fiberglass, PVC, polypropylene, viton, most plastics, stainless steel. Never use mild steel, nylon, brass or copper around full strength EARTHTEC/AGRITEC.

Always rinse equipment free and clean of EARTHTEC/AGRITEC/ each night with plenty of fresh, clean water.

Always store EARTHTEC/AGRITEC/ above 32 degrees F. Freezing may cause product separation. Seller makes no warranty for product which has been frozen. Apply over entire area of lagoon or mix thoroughly until completely dispersed with sewage. Useful formulas for calculating water volume and flow rates: To find the capacity of water storage containment in gallons, multiply the water volume in cubic feet times 7.5.

NOTE: 1CFS/hr = 27,000 gallons

1 Acre foot = 326,000 gallons

All Uses and All Sub-Labels:

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a safe place away from pets and keep out of the reach of children. Store away from excessive heat. EARTHTEC/RADIANCE™/AGRITEC/PRISTINEBLUE/Algae Shield™ will freeze. Always keep container closed. Store EARTHTEC/RADIANCE™/AGRITEC/PRISTINEBLUE/Algae Shield™ in its original container only. Keep away from galvanized pipe, and any nylon storage or handling equipment.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess EARTHTEC/RADIANCE™/AGRITEC/PRISTINEBLUE/Algae Shield™, 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.

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

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

EARTHTEC and AGRITEC Sub-Labels:

GENERAL BACTERIA CONTROL

Application rates may vary depending on amounts of organic matter (sewage) in lagoons and pits. Application should be done by pouring EARTHTEC/AGRITEC directly from the container into the pit or lagoon. Several application points speed up dispersal. Use one gallon of full strength EARTHTEC/AGRITEC in 60,000 gallons (8,000 cubic feet) of sewage. For easiest results disperse EARTHTEC/AGRITEC evenly throughout sewage. Bacteria and odors should be noticeably reduced in 1-2 weeks. Repeat application when odor reoccurs.

Feedlot Run-Off Lagoons: Add a portion of the required dosage of EARTHTEC/AGRITEC at several locations around the lagoon to speed dispersal of the product. A minimum of two applications per year (spring and fall) is recommended. Additional applications may be required as needed when the lagoon is pumped.

Animal Confinement Pits: If pits are located under the confinement buildings, add EARTHTEC/AGRITEC directly to these pits. If the pits are outside, add EARTHTEC to the transfer line to the pit.

Other Organic Sludges: EARTHTEC/AGRITEC must be thoroughly mixed with sludge. Apply at the rate of one gallon EARTHTEC/AGRITEC in 30,000 gallons of sludge.

EARTHTEC Sub-label:

Livestock Watering Systems: **Apply at a rate of one gallon EARTHTEC in 60,000 gallons of water.**

EARTHTEC, RADIANCE™ AND AGRITEC Sub-Labels:

GENERAL ALGAE CONTROL

For algae control, apply in the late spring or early summer when algae first appear. The dosages are variable and depend upon algae species, water hardness, water temperature, amount of algae present, as well as whether water is clear, turbid, flowing or static. Preferably, the water should be clear with temperature above 60 degrees F (15.6 degrees C). Higher dosages are required at lower water temperatures, higher algae concentrations and for hard waters. Application should be done by pouring EARTHTEC/RADIANCE™/AGRITEC directly from the container into the lakes, ponds reservoirs or irrigation canals. Several application points speed up dispersal. Static water requires less chemical for algae control than does flowing water. Use higher dosages for chara, nitella and filamentous algae (pond scum) and lower dosages for planktonic algae. If there is uncertainty about the dosage begin with a lower dosage 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 cover more than one-third of the total water area, treat in sections. Treat 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 to prevent masses of decaying algae under an ice cover.

Trout and certain other species of fish may be killed 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.

EARTHTEC Sub-Label:

SPECIFIC DIRECTIONS FOR USE

To Control Algae in Irrigation Conveyance Systems: For continuous addition, add one pint EARTHTEC for each 7,500-300,000 gallons. For conveyance systems longer than 30 miles, it is recommended that the above dose be dispersed among the injection points every 30 miles. However, do not exceed the dose of one gallon in 60,000 gallons.

To Control Algae in Impounded Waters, Lakes, Ponds, Lagoons, Livestock watering systems, and Reservoirs: For easiest results disperse EARTHTEC evenly throughout the body of water. Apply at the rate of one pint EARTHTEC 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 and livestock watering systems, do not exceed one gallon in 60,000 gallons under any circumstances (1 ppm metallic copper).

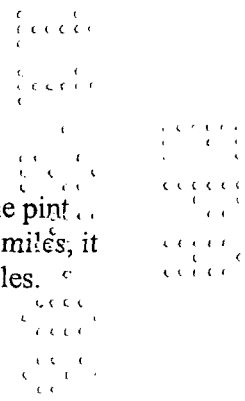
Do not apply copper sulfate to water less than 40 ppm alkalinity without first doing a preliminary toxicity test on fish in the water in a separate container. Copper sulfate may be very toxic to trout and other species in soft or acid waters so preliminary testing is necessary

Foot Baths for Cattle: Add one gallon of EARTHTEC to 50 gallons of water to use as foot bath to control growth of “hoof rot” on cattle hoofs. Prior to treatment, you should consult a veterinarian to confirm the presence of hoof rot. Animals may be walked through water containing a solution of EARTHTEC mixed as described above. The treatment may occur twice a day and each immersion should be between 5 to 20 minutes or for the period prescribed by a veterinarian. Do not allow the cattle to drink from the foot baths as copper sulfate in these concentrations may be toxic. The foot baths should be kept clean. Follow the instructions under Storage and Disposal when solutions are discarded at the end of the treatments.

RADIANCE™ Sub-Label:

SPECIFIC DIRECTIONS FOR USE

To Control Algae in Irrigation Conveyance Systems: For continuous addition, add one pint RADIANCE™ for each 7,500-300,000 gallons. For conveyance systems longer than 30 miles, it is recommended that the above dose be dispersed among the injection points every 30 miles. However, do not exceed the dose of one gallon in 60,000 gallons.



To Control Algae in Impounded Waters, Lakes, Ponds, Livestock watering systems, and Reservoirs: For easiest results disperse RADIANCE™ evenly throughout the body of water. Apply at the rate of one pint RADIANCE™ 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 and livestock watering systems, do not exceed one gallon in 60,000 gallons under any circumstances (1 ppm metallic copper)

Do not apply copper sulfate to water less than 40 ppm alkalinity without first doing a preliminary toxicity test on fish in the water in a separate container. Copper sulfate may be very toxic to trout and other species in soft or acid waters so preliminary testing is necessary.

AGRITEC Sub-Label:

SPECIFIC DIRECTIONS FOR USE

To Control Algae in Rice Fields and Wild Rice Fields: AGRITEC should be applied at the first sign of algae growth on the surface of the field. Applications are most effective when made prior to algae leaving the soil surface and rising to the water surface. Factors such as water depth, temperature, pH and the amount of algae can affect the amount of AGRITEC required but do not exceed 5-7 gallons per acre. AGRITEC can be metered into the rice field as water is being applied or slug fed into each paddy when water is being held.

To Control Tadpole Shrimp in Rice Fields: Application should be made to the flooded fields any time the pest appears from planting time until the seedlings are well rooted and have emerged through the water. The use rate per acre should be determined by the water depth and flow. Use 2 gallons AGRITEC per acre as the initial rate at minimum flow and water depth and 4 gallons AGRITEC per acre as the higher rate when depth and flow are maximum.

To Control Algae or Bacteria in Non-Sprinkler, Non-Drip Irrigation Conveyance Systems and Chemigation Systems, Ditches, Canals, and Similar Irrigation Conveyances: For continuous addition, add one pint AGRITEC for each 7,500-300,000 gallons. For conveyance systems longer than 30 miles, it is recommended that the above dosage be dispersed among the injection points every 30 miles. However, do not exceed the total dose of one gallon in 60,000 gallons (1 ppm metallic copper).

To Control Algae or Bacteria in Sprinkler, Drip or Other Types of Irrigation Equipment: Agitation is not required. Do not mix with basic substances. Agritec must be applied continuously for the duration of the water application.

Mixing instruction for dilution of Agritec is 1 pint per 7,500 to 300,000 gallons of water.

To Control Algae in Impounded Waters, Lakes, Ponds, Aquaculture Systems, and Reservoirs: For easiest results disperse AGRITEC evenly throughout the body of water. Apply at the rate of one pint AGRITEC 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 one gallon in 60,000 gallons under any circumstances (1 ppm metallic copper).

EARTHTEC/AGRITEC sublabel:

Extension of Shelf Life of Fruits and Vegetables: Add one gallon of EARTHTEC/AGRITEC to 60,000 gallons of water (approximately 1.0 ppm of metallic copper) and mix. This water is then used to wash the fruits or vegetables by immersion, spraying, soaking or other similar method. The water is then drained from the fruits or vegetables. Application as directed retards bacterial growth on the fruits and vegetables based on the 15 day shelf life tests using the standardized test conditions specified by National Sanitation Foundation and others. EARTHTEC/AGRITEC is effective in extending the shelf life against *E. coli*, *S. faecalis*, *vibrio cholera*, and other similar bacteria. Fruits and vegetables must remain refrigerated to ensure effectiveness.

EARTHTEC/AGRITEC/RADIANCE™ Sublabels:

Specific Directions for Aerial Spraying: EARTHTEC/AGRITEC/RADIANCE™ may be applied by aerial spraying from an airplane or helicopter or directly into the water body. The applicator must use measures necessary to control drift. To the extent practicable, minimize the spray drifting from the application site and contact people, structures people occupy at any time and the associated property, parks and recreation areas, nontarget crops, aquatic and wetland areas, woodlands, pastures, rangelands, or animals and avoid sensitive environmental areas. Any State requirements applicable to the aerial application of pesticides, such as EARTHTEC, AGRITEC/RADIANCE™ must be followed.

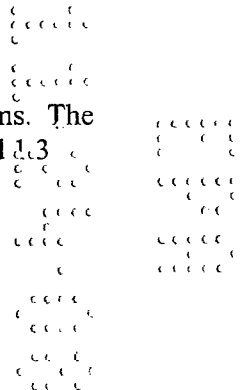
PRISTINEBLUE and Algae Shield™ Sub-Labels:

SPECIFIC DIRECTIONS FOR USE

To Control Algae in Swimming Pools, Spas & Hot Tubs: Treated pool effluent should not be discharged where it will drain into lakes, streams, ponds, or public water. Apply at the rate of 2-4 quarts of PRISTINEBLUE/Algae Shield™ per 60,000 gallons (8,000 cu. ft.) This will yield a rate of from 0.5 ppm to 1.0 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. PristineBlue may be used to help control pool odors, bacteria, and algae during the winter months. Maintain the higher rate while the pool is not being used during the winter.

EARTHTEC/PRISTINEBLUE Sub-Labels:

Certified by National Sanitation Foundation International for use in drinking water systems. The finished drinking water should be monitored to ensure that levels of copper do not exceed 1.3 mg/L.





The finished drinking water should be monitored to ensure that levels of copper do not exceed 1.3 mg/l.

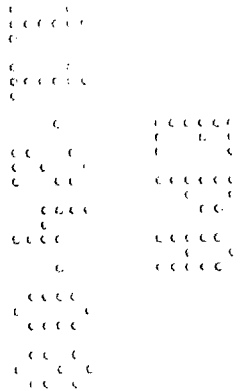
All Uses and All Sub-Labels:

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 of FITNESS OR MERCHANTABILITY expressed or implied, or any other warranty if the product is used contrary to the label instructions, or under abnormal conditions or under 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 not be varied.

All Uses and Sub-Labels:

Manufactured by: Earth Science Laboratories, Inc.
106 B North 37th Street
Rogers, AR 72756
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RADIANCE™ Sub-Label:

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NOTIFICATION

FEB 6 2009

