APPLICATION AND HANDLING EQUIPMENT

Application, handling or storage equipment MUST consist of fiberglass, PVC, polypropylene, viton, corrosion resistant plastics or stainless steel. Never use mild steel, nylon, brass or copper around EarthTec®. Always rinse and clean equipment thoroughly each night with plenty of fresh, clean water.

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 he reach of children. Store away from excessive heat. EarthTec® will freeze. Always store EarthTec® above 32 degrees F (Do Not Freeze). Freezing may



Always keep container closed. Store EarthTec® in its original container only Keep away from galvanized pipe, and any nylon storage or handling equipment

DISPOSAL
PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess EarthTec® 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 HANDLING Nonrefillable container. Do not reuse or refill this container. Triple rinse containe (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 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 2 more times. Offer for recycling if available. If recycling is not available, 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.

READ BEFORE USING LIMITED WARRANTY AND LIMITATION OF REMEDIES

Read the entire Directions for Use, Limited Warranty and Limitation of Remedies (including limitations on liability) before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the ollowing conditions, disclaimer of warranties and limitations of liability

The Directions for Use of this product are believed to be adequate and must be followed arefully. However, it is impossible to eliminate all risks associated with the use of this produ Crop injury, ineffectiveness or other unintended consequences may result because of such ctors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of Earth Science Laboratories, Inc. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

To the extent consistent with applicable law, 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 onditions not foreseeable to the seller. To the extent consistent with applicable law, the seller shall not be liable for more than the cost of this product to the buyer and will in no eyent be liable or 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



Earth Science Laboratories, Inc. 113 SE 22nd Street, Suite 1 Bentonville, AR 72712 Phone: (800) 257-9283



ALGICIDE/ **BACTERICIDE***

For Impounded Waters, Lakes, Ponds, Lagoons, Wastewater Lagoons, Reservoirs, Livestock Watering Systems, Potable Water Supplies*, Sedimentation Basins and Ornamental Water Features or Fountains For Irrigation Conveyance Systems, Irrigation Reservoirs, Irrigation Canals and Ditches For Feedlot Run-Off Lagoons, Animal Waste or Confinement Pits and Organic Sludge Pits

*Nonpublic Health Bacteria
*Water Destined to Be Used as Drinking Water



ACTIVE INGREDIENT Copper Sulfate Pentahydrate* (CAS No. 7758-99-8)... OTHER INGREDIENTS 80.2% . 100.0% Metallic Copper

THIS PRODUCT WEIGHS 9.9 LB. PER GALLON - 1.188 kg/L Manufactured by: Earth Science Laboratories, Inc.

113 SE 22nd Street, Suite 1 Bentonville AR 72712 Phone: (800) 257-9283 www.cleanwaterfortheplanet.com EPA REGISTRATION NO. 64962-1 EPA ESTABLISHMENT NO. 64962-NE-001

NET CONTENTS: ONE (1) U.S. GALLON

Lot No.

KEEP OUT OF REACH OF CHILDREN **WARNING • AVISO**

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

continue rinsing eye. Call a poison control center or doctor for advice.

IF SWALLOWED: Call a poison control center or doctor immediately for the use of gastric lavage. treatment advice. Have person sip a glass of water if able to swallow. Do Have the product container or label with you when calling a poison not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything to an unconscious person.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 20 IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse minutes. Remove contact lenses, if present, after first 5 minutes, then 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

control center or doctor, or going for treatment. You may also contact INFOTRAC 1-800-535-5053 for emergency medical treatment.

SEE ADDITIONAL PRECAUTIONARY STATEMENTS ON SIDE PANEL

PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals WARNING

Causes substantial but temporary eye injury. Harmful if swallowed. Harmful if absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin. Wear protective eyewear (goggles, face shield or safety glasses), long sleeved shirt, long pants, shoes, socks and chemical-resistant gloves made of any waterproof material. Some materials that are chemical-resistant to this product are polyvinyl chloride, polyethylene and viton. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Waters treated with this product may be hazardous to aquatic organisms. Treatment of aquatic weeds and algae can result in oxygen loss from decomposition of dead algae and weeds. This oxygen loss can cause fish and invertebrate suffocation. To minimize this hazard, do not treat more than 1/2 of the water body to avoid depletion of oxygen due to decaying vegetation. Wait at least 14 days between treatments. Begin treatment along the shore and proceed outward in bands to allow fish to move into untreated areas. Consult with the state or local agency with primary responsibility for regulating pesticides before applying to public waters to determine if a permit is required.

Certain water conditions including low pH (≤6.5), low dissolved organic carbon (DOC) levels (3.0 mg/L or lower) and "soft" waters (i.e. alkalinity less than 50 mg/L) increases the potential acute toxicity to non-target aquatic organisms. The application rates on this label are appropriate for water with alkalinity greater than 50 mg/L. Do not use these application rates for water with less than 50 ppm alkalinity (e.g., soft or acid waters) because trout and other species of fish may be killed under such cond Consult your local state fish and game agency before applying this product to public waters. Permits may be required before treating such water

For applications in waters destined for use as drinking water, those waters must receive additional and separate potable water treatment. Do not apply more than 1.0 ppm as metallic copper in these waters.

PERSONAL PROTECTIVE EQUIPMENT USER SAFETY REQUIREMENTS

Mixers, loaders, applicators and other handlers must wear the following: Long-sleeved shirt

- Shoes plus socks
- Chemical-resistant gloves made of any waterproof material
- (Chemical Resistance Category A) Protective eyewear

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them

LISER SAFETY RECOMMENDATIONS

- · Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then
- wash thoroughly and put on clean clothing.

 Users should remove PPE immediately after handling this product. As soon as
- possible, wash thoroughly and change into clean clothing.

 Wash the outside of gloves before removing.

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.

USE INFORMATION

EarthTec® is a highly soluble formulation. EarthTec® is used to control algae and to suppress nonpublic health bacteria and bacteria that cause taste and odor problems in impounded waters, lakes, ponds, lagoons, wastewater lagoons, reservoirs, livestock watering systems, potable water supplies*, sedimentation basins and ornamental water features or fountains.

EarthTec® is used to control algae and to suppress nonpublic health bacteria and bacteria that cause taste and odor problems in irrigation conveyance systems, irrigation reservoirs, irrigation canals and ditches

EarthTec® is used to suppress nonpublic health bacteria and bacteria that cause odors (such as odors from hydrogen sulfide and ammonia gas) in feedlot run-off lagoons, animal waste or confinement pits and organic sludge pits.

USE IN CONTROL OF ALGAE, NONPUBLIC HEALTH BACTERIA. AND BACTERIA THAT CAUSE ODOR PROBLEMS

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. See Specific Directions for Use. Application should be done by pouring a measured amount of Earth Teo® directly from a container into the lakes, ponds, reservoirs or irrigation canals. Earth Teo® is very soluble and will quickly disperse. EarthTeo® application for 3 acres or less should be poured directly into ponds, small lakes and reservoirs. EarthTeo® application for 3 acres or more should be applied at several points in the ponds, lakes or reservoirs. Larger bodies of water can be treated with EarthTeo® by dragging a feeder hose behind a boat across the body of water. This will speed up the dispersal of the product to give a quicker control of algae. EarthTec® will quickly diffuse throughout the water body in several hours. EarthTec® should be applied to irrigation by a drip system or feeder pump according to the flow volume. Use higher dosages for chara, nitella and filamentous algae and lower dosages for planktonic algae. If there is uncertainty about the dosage begin with the lower dosage and increase until control is achieved or until the maximum allowable level has been reached. See Specific Directions for Use.

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 1/3 of the total water area, treat in sections. Treat 1/2 of the water area in a single operation and wait for 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 nonds freeze in winter treatment should be done 6 to 8 weeks before expected freeze to prevent masses of decaying algae under an ice cover. Before treating bodies of water, consult proper state authorities such as the fisheries commission or conservation department to obtain any necessary permits. For use in controlling algae and cyanobacteria at all aquatic application sites do not exceed a copper concentration in water of 1.0 ppm of metallic copper concentration.

For example, if you wish to achieve 1.0 ppm of metallic copper, 1 gallon of EarthTec® added to 60,000 gallons of water is equal to 1.0 ppm metallic copper. In order to attain 1.0 ppm of metallic copper in the treated water, the amount of EarthTec® added to a water body is equal to the gallons of water being treated divided by 60,000 multiplied by 1 (e.g., see Gallons of EarthTec® and Water table below). Use volumetric measurement devices that are calibrated in accordance with manufacturer specifications.

Gallons of EarthTec® and Water Gallons Metallic Copper EarthTec® Water 1 (0.4 quarts or 0.8 pints) 6,000 15,000 1.0 60.000 100,000

Use formula for calculating water volume and flow rates. Calculate the volume of water (multiply the average depth by surface area). To calculate the gallons of water multiply the volume in cubic feet times 7.5. One cubic foot per second of flow equals 27,000 allons/hour. One acre foot equals 326,000 gallons. See below for additional directions on methods of application to flowing water.

SPECIFIC DIRECTIONS FOR USE

To Control Algae, Nonpublic Health Bacteria, and Bacteria That Cause Odor Problems in Irrigation Reservoirs, Impounded Waters, Lakes, Ponds, Lagoons, Reservoirs, Livestock Watering Systems, Potable Water Supplies Sedimentation Basins and Ornamental Water Features or Fountains: For fish-bearing lakes, ponds, drinking wate reservoirs, irrigation canals and other applications, apply at the rate of 1 quart of EarthTec® per 250,000 gallons of water, or 1 gallon of EarthTec® per 1.000.000 gallons of water for preventive treatment of algae and nonpublic health bacteria. This will yield a

If algae are present, treat at the rate of 3 quarts of EarthTec® per 250,000 gallons of water, or 3 gallons of EarthTec® per 1,000,000 gallons of water. This will yield a concentration of 0.18 ppm metallic copper.

concentration of 0.06 ppm metallic copper.

For applications without fish or for wastewater lagoons apply at the rate of up to 1 quart of EarthTec® per 15 000 gallons of water or 1 gallon of EarthTec® per 60,000 gallons of water. This will vield a rate of 1.0 ppm metallic copp

Do not exceed 1 gallon of EarthTec® per 60,000 gallons of water (1.0 ppm metallic copper) under any circumstances. EarthTec® volume of water to be treated and measuring the quantity of EarthTec® necessary to attain a concentration of 0.06 ppm or by using an automated dispenser calibrated to release the required amount. For best results disperse EarthTec® evenly throughout surface. Do not apply copper sulfate to water with less than 50 ppm alkalinity.

To Control Algae or Nonpublic Health Bacteria and Bacteria That Cause Odor Problems in Open Channel Irrigation Conveyance Systems, Ditches, Canals and Similar Irrigation Conveyances: To prevent algae growth using a static application method, apply 1 gallon of EarthTeo® to 1,000,000 gallons of water to yield a rate of 0.06 ppm metallic copper in the water. If algae growth using continuous flow systems, a metered flow rate of 1 milliliter per minute is added to a pumping flow of 267 gallons per minute to yield a rate of 0.06 ppm metallic copper. If algae are present, do not exceed the total dose of 1 gallon of EarthTec® in Calculation table below for continuous flow rates.

To Control Algae or Nonpublic Health Bacteria and Bacteria That Cause Odor Problems in Sprinkler, Drip or Other Types of Irrigation Equipment: Agitation is not required. Do not mix with basic substances. EarthTec® must be applied continuously for the duration of the water application. To prevent growth of algae, nonpublic health bacteria, and bacteria that cause odor problems, treat at a rate of 1 gallon EarthTec® per 60,000 gallons of water to gallon EarthTec® per 1,000,000 gallons of water. This will yield a rate of 1.0 ppm metallic copper (see Example Calculation table below). If algae are visible, start by cleaning the pipes or lines and then applying 1 gallon of EarthTeo® in 60,000 gallons of water (1.0 ppm metallic copper). See Example Calculation table below for continuous flow rates. Once the lines are cleaned, use the reventive dose described above

EXAMPLE CALCULATION IRRIGATION FLOW RATES (u) mgg 60.0)

r Flow Rate gpm		Dosage Rate ppm Metallic Cu		Feeder Pump Settin EarthTec® mL/min
3,000	400	0.06	0.4	11.3
6,000	800	0.06	0.8	22.6
9,000	1,200	0.06	1.1	34.0
2,000	1,600	0.06	1.5	45.3

IRRIGATION FLOW RATES

(1.0 ppm Cu)							
low Rate	Water Flow Rate cfm	Dosage Rate ppm Metallic Cu		Feeder Pump Setting EarthTec® mL/min			
00	400	1.0	6.4	188.7			
000	800	1.0	12.8	377.5			
000	1,200	1.0	19.1	566.2			
000	1,600	1.0	25.5	755.0			

BACTERIAL ODOR CONTROL

To Control Bacterial Odor in Feedlot Run-Off Lagoons, Animal Waste or Confinement Pits, and Organic Sludge Pits: the body of water on a sunny day when algae are near the Apply by pouring product directly from the container into the pit or lagoon, Several application points speed up dispersal. Use 1 gallon of full strength EarthTec® in 60,000 gallons (8,000 cubic feet) of sewage. This will yield a rate of 1.0 ppm metallic copper. Bacteria and odors should be noticeably reduced in 1 to 2 weeks Repeat application when odor reoccurs. Minimum re-treatment interval is 14 days.

Feedlot Run-Off Lagoons: Add a portion of the required dosage algae are present, apply 16.6 gallons of EarthTec® to 1,000,000 gallons of water to yield 1.0 ppm metallic copper. To prevent dispersal of the product. A minimum of 2 applications per year (spring and fall) is recommended. Additional applications may be required as needed when the lagoon is pumped

Animal Waste or Confinement Pits: If pits are located under the 60,000 gallons of water (1.0 ppm metallic copper). See Example confinement buildings, add EarthTec® directly to these pits. If the pits are outside, add product to the transfer line to the pit. KC

BLACK PMS 541	2 Colors on Clear	proceed to finals. Need to see job again with changes made before finalization.	All new plates needed for the changes a cost of 2 plates at \$475.00 each. Total
Company	Date	KiliperCorp	plate cost will be \$950.00.
FOR ERRORS IN PLATED OF	E CHECK THIS ARTWORK. ERRORS MAY OCCUR REGARDLESS OF OUR II MISPRINTED PRODUCTS CAUSED BY YOUR FAILURE TO PROPERLY PRO THIS JOB UNTIL YOU CHECK THE APPROPRIATE BOX, SIGN ABOVE AND	Impressions In Plastic NSPECTION. WE CANNOT BE RESPONSIBLE OOF THIS ARTWORK. WE WILL NOT PROCEED	Approval needed to proceed.