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2022-2071  
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EarthTec

Algaecide/Bactericide

For use in Municipal Waste Water and pre-treatment of Municipal potable water

For use as an Algaecide and for control of odour-causing bacteria in ponds, lagoons, and potable drinking water tanks. Treated water will not be disinfected, but may require additional treatment to remove coliform bacteria and other pathogens.

COMMERCIAL

ACTIVE INGREDIENT: Copper, present as copper sulfate pentahydrate 5.0%

REGISTRATION NO. 34317 PEST CONTROL PRODUCTS ACT

CAUTION



CORROSIVE

CAUTION



POISON

READ THE LABEL BEFORE USING  
KEEP OUT OF REACH OF CHILDREN

NET CONTENTS: 1-1050 LITRES, Bulk

DO NOT APPLY TO WATERS CONTAINING FISH WITHOUT CONSULTING  
DISTRIBUTOR FIRST

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## **GENERAL INFORMATION:**

EarthTec is a formulation that provides excellent control of algae in ponds, lagoons and potable drinking water tanks.

Also for control of odour-causing bacteria in ponds, lagoons and potable water sources. Treated water will not be disinfected, but may require additional treatment to remove coliform bacteria and other pathogens.

## **DIRECTIONS FOR USE**

Dilution of 1:60,000 (16ml per 1000 litres of water) provides 1 part per million (ppm) of a biologically active form of copper (Cu<sup>2+</sup>). Use test kit to determine existing copper level before adding more product. Do not exceed 1.0 ppm of copper in drinking water.

For applications in water 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.

**PONDS, LAGOONS AND POTABLE DRINKING WATER TANKS:** Apply 1 litre to 60,000 - 600,000 litres of water for prevention of algal bloom (1 litre to 60,000 litres of water for drinking water tanks). Water condition and the extent of active micro-organisms present determines the effective application rate. For permanent algae control maintain 0.5 to 1.0 ppm copper in the water. Add 1.6 ml per 1000L to increase copper by 0.1 ppm. Do not exceed 1 ppm per single application.

**Municipal Waste Water and pre-treatment of Municipal potable water.**

## **BACTERIAL ODOUR CONTROL IN LIQUID SEWAGE**

Application rates may vary depending on the amount of organic matter, characteristics of sewage, extent of bacterial activity, and degree of desired odour reduction. Basic application rate is 1 litre of EarthTec in 30,000 litres of sewage. Several pit application points speed up dispersal. Odours should be reduced in a few days. Treat added sewage once a week at 1:30,000 ratio.

**DO NOT** apply this product in a way that will contact workers or bystanders, either directly or through drift. Only protected handlers may be in the area during application.

**DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

For use in water wholly confined to the property of the user and where there is no outflow beyond the property limits.

## **OTHER ORGANIC (FERMENTING) SLUDGES**

EarthTec must be thoroughly mixed with sludge. Apply at the rate of one litre of EarthTec to 20,000-30,000 litres of sludge.

## **PRECAUTIONS**

**KEEP OUT OF REACH OF CHILDREN.** DO NOT apply using aerial application equipment

**Inhalation:** Harmful if inhaled. Concentrated vapour or mist will damage upper respiratory tract and be fatal. Repeated exposure may cause chronic bronchitis or respiratory inflammation.

**Skin contact:** Can cause irritation or burns. Repeated contact with dilute solutions may cause dermatitis.

**Eye contact:** Contact with eyes may result in permanent visual loss unless removed quickly by irrigation with water.

**Ingestion:** May be fatal if swallowed.

Wear goggles, long pants, a long-sleeved shirt and shoes plus socks during mixing/loading, application, clean-up and repair. In addition, wear chemical-resistant gloves during mixing/loading, clean-up and repair.

Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Remove clothing/personal protective equipment immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

For cleaning/maintaining personal protective equipment, use detergent and hot water. Keep and wash personal protective equipment separately from other laundry.  
Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

## **FIRST AID**

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

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

**IF SWALLOWED:** Call a poison control centre 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 centre or doctor. Do not give anything by mouth to an unconscious person.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**TOXICOLOGICAL INFORMATION:** Treat symptomatically.

**HANDLING:** Handling and storage equipment must be fibreglass, PVC, polypropylene, viton,

aluminum or stainless steel. NEVER use nylon, copper, brass or mild steel parts or components in contact with full strength EarthTec. Fabrics containing nylon or cotton will dissolve on contact with full strength EarthTec. Always rinse equipment with plenty of fresh clean water. Do not allow product to freeze. Freezing will cause separation.

**DISPOSAL:** Dispose of EarthTec through use. Do not pour into lakes or rivers, as this may kill fish. Neutralize spills with bicarbonate of soda or lime.

#### **DISPOSAL OF CONTAINER:**

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**RECYCLABLE CONTAINER DISPOSAL:** Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container.
2. Add the rinsings to the spray mixture in the tank.
3. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

**ENVIRONMENTAL PRECAUTIONS: TOXIC** to aquatic organisms (copper sensitive aquatic plants, invertebrates, and fish). When fish are present, special application procedures must be followed. Contact distributor before treating water inhabited by fish.

#### **NOTICE TO USER**

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

#### **RESTRICTED USE**

This product is to be used only in the manner authorized; consult local pesticide regulatory authorities about use permits that may be required.

#### **NATURE OF RESTRICTION**

For controlling algae in municipal water supply reservoirs (potable water, before being purified for drinking). Do not apply or allow discharge to lakes, flowing water, or ponds with outflow. Do not apply to areas frequented by wildlife.

#### **DIRECTIONS FOR USE**

For use in water wholly confined to the property of the user and where there is no outflow beyond the property limits.

DO NOT apply this product in a way that will contact workers or bystanders, either directly or through drift. Only protected handlers may be in the area during application.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

For applications in water 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.

DO NOT apply by air.

Rate: Dissolve in water and apply to the surface as a spray. Use a rate of 6.5-9.0 kg/ha in water with a depth of 1 meter, resulting in a concentration of copper sulfate of 0.5-0.7 mg/L. Adjust the rate according to the depth of water. Use extreme care in calculation of water volume and in weighing and mixing of the copper sulfate. Please note that the maximum single application rate of 1 ppm must not be exceeded.

**Warning:** This product is toxic to copper-sensitive aquatic plants, invertebrates, and fish! When fish are present special application procedures must be followed. Contact distributor before treating water inhabited by fish.