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23-05-02

ENVIRO-BOSS
BACTERIOSTATIC ALGAECIDE
Liquid

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 water sources. Treated water will not be disinfected, but may require additional treatment to remove coliform bacteria and other pathogens.

READ THE LABEL BEFORE USING

Net Contents: XX

Made in Canada

DO NOT APPLY TO WATERS CONTAINING FISH WITHOUT CONSULTING
DISTRIBUTOR FIRST

GUARANTEE: Copper (present as copper sulphate pentahydrate)... 5.0%

REGISTRATION NO. 28412
PEST CONTROL PRODUCTS ACT

COMMERCIAL

CAUTION

POISON

KEEP OUT OF THE REACH OF CHILDREN

Laboratoire Hygienex Inc.
6400, Zéphirin-Paquet
Québec, QC G2C 0M3
1-800-681-2332

GENERAL INFORMATION

ENVIRO-BOSS Bacteriostatic Algaecide is an innovative formulation that provides excellent control of algae in ponds, lagoons and potable water storage tanks. Use ENVIRO-BOSS Bacteriostatic Algaecide for the control of ammonia and prevention of bacterial odours in fermenting substrates, organic waste holding tanks, sewage lagoons and similar applications.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

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. 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.

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.

For algae control within impounded waters only. For use in water wholly confined within the property of the user and where there is no outflow beyond the property limits.

Dilution of 1:60,000 (16 mL per 1000 litres of water) provides 1 part per million (ppm) of a biologically active form of copper (Cu²⁺). Use ENVIRO-BOSS Test Kit to determine existing copper level before adding more ENVIRO-BOSS Bacteriostatic Algaecide. Use extreme care in calculation of water volume and in weighing and mixing of the copper sulphate when applying to drinking water.

Please note that the maximum single application rate of 1 ppm must not be exceeded.

PONDS AND LAGOONS

Apply 1 litre of ENVIRO-BOSS Bacteriostatic Algaecide to 60,000 - 600,000 litres of water for prevention of algal bloom. Water condition and the extent of active microorganisms present determine the effective application rate. For permanent algae control maintain 0.5 to 1.0 ppm copper in the water. (Add 1.6 mL per 1000 L to increase copper by 0.1 ppm).

ALGAECIDE FOR DRINKING WATER TANKS

Apply 1 litre of ENVIRO-BOSS Bacteriostatic Algaecide to 60,000 litres of water for prevention of algal bloom. Maintain a minimum of 0.7 ppm of copper in drinking water.

Precautionary advice: ENVIRO-BOSS Bacteriostatic Algaecide may clean out accumulated waterline impurities. Until the waterlines are completely cleared out by ENVIRO-BOSS Bacteriostatic Algaecide, impurities may cause digestive upset. After treatment, flush waterlines with clean water daily for one week or until the water pipes are cleaned out completely.

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 ENVIRO-BOSS Bacteriostatic Algaecide 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.

OTHER ORGANIC (FERMENTING) SLUDGES

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

FIRST AID

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.

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 INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

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.

Reacts with nylon, cotton, iron, and some metals.

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 fiberglass, PVC, polypropylene, Viton, aluminium or stainless steel. NEVER use nylon, copper, brass or mild steel parts or components in contact with full strength ENVIRO-BOSS Bacteriostatic Algaecide. Fabrics containing nylon or cotton will dissolve on contact with full strength ENVIRO-BOSS Bacteriostatic Algaecide. Always rinse equipment with plenty of fresh clean water. Do not allow product to freeze. Freezing will cause separation.

DECONTAMINATION/DISPOSAL

Dispose of ENVIRO-BOSS Bacteriostatic Algaecide through use. Do not pour into lakes or rivers, as this may kill fish. Neutralize spills with bicarbonate of soda or lime.

1. Triple-or pressure-rinse the empty container. Add the rinsings to the treatment site.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on 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.

For recyclable containers (23L or less):

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 collections site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the treatment site.
2. Make the empty 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 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 HAZARDS:

TOXIC to aquatic organisms.

This product is toxic to fish. Direct application of ENVIRO-BOSS Bacteriostatic Algaecide to water may cause a significant reduction in populations of aquatic invertebrates, plants and fish. Do not treat more than one-half of a pond at one time in order to avoid oxygen depletion originating from the decaying of the vegetation. Allow one to two weeks between treatments for the oxygen level to recover.

Trout and other species of fish may be killed at application rates recommended on this label, especially in soft or acid waters. Do not contaminate water when disposing of equipment wash waters. (See disposal instructions). Consult the Ministry of Environment before applying this product to public waters. Permits may be required before treating such waters.

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. The user assumes the risk to persons or property that arises from any such use of this product.

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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 sulphate 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 sulphate. 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.