

2019-01-25  
2018-5951

**POLYDEX™**  
**Bacteriostatic Algicide**

For ponds, lagoons, dugouts, and potable water tanks

COMMERCIAL

GUARANTEE: Copper, present as copper sulphate pentahydrate.....5%

Registration No. 23636 Pest Control Products Act

**CAUTION**



**POISON**

READ THE LABEL BEFORE USING  
KEEP OUT OF REACH OF CHILDREN

Net Contents: 10 L

Good Clean Water

DO NOT APPLY TO WATERS CONTAINING FISH WITHOUT  
CONSULTING POLYDEX DISTRIBUTOR FIRST

OCION WATER SCIENCES INC.  
#109 - 19347 - 24th Ave  
SURREY BC V3Z 3S9

T: 1.800.567.1191  
F: 604.270.2689  
[www.pureprotection.ca](http://www.pureprotection.ca)

**GENERAL INFORMATION:** POLYDEX™ Bacteriostatic Algaecide is an innovative formulation that provides excellent control of algae in ponds, dugouts, lagoons and potable water storage tanks. Use for the control of ammonia and prevention of bacterial odours in fermenting substrates, organic waste holding tanks, sewage lagoons, animal manure pits and similar applications.

#### **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.

**PONDS, LAGOONS, DUGOUTS:** Apply 1 litre to 60,000 - 600,000 litres of water for prevention of algal bloom. 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.

**ALGAECIDE FOR ANIMAL DRINKING WATER TANKS:** Apply 1 litre to 60,000 litres of water (1 ppm) for prevention of algal bloom. Maintain a minimum of 0.7 ppm of copper in animal drinking water. Do not exceed 1 ppm of copper in animal drinking water. Precautionary advice: Product may clean out accumulated waterline impurities. Until the waterlines are completely cleared out, impurities may cause digestive upset in the animals. 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 AND ANIMAL MANURE PITS:** Application rates may vary depending on the amount of organic matter, characteristics of manure or sewage, extent of bacterial activity in the pits, and degree of desired odour reduction. Basic application rate is 1 litre in 30,000 litres of sewage (2 ppm). 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. Treat manure lagoons 2 weeks before spraying on fields to reduce odourous air pollution. Do not exceed 2 ppm per single application.

**OTHER ORGANIC (FERMENTING) SLUDGES:** Apply at the rate of one litre to 24,000 – 30,000 litres of sludge (2.0 ppm – 2.5 ppm). Product must be thoroughly mixed with sludge. Do not exceed 2.5 ppm per single application.

**HIGHLY CONTAMINATED PITS:** Apply 24 ml to 150 litres of pit content (10 ppm). For best results treat daily. Do not exceed 10 ppm per single application.

**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.

## **PRECAUTIONS**

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 POLYDEX. Fabrics containing nylon or cotton will dissolve on contact with full strength POLYDEX. Always rinse equipment with plenty of fresh clean water. Do not allow product to freeze. Freezing will cause separation.

**DISPOSAL:** Dispose of POLYDEX 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:** Triple or pressure-rinse the empty container. Add the rinsings to the treatment site. Follow provincial instructions for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. 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.

**NATURE OF RESTRICTION:** Aquatic, Forest or Woodland Uses - This product is to be used only in the manner authorized; consult local pesticide regulatory authorities about use permits that may be required.

**RESTRICTED USES:** POLYDEX can be used in Municipal water supplies used as a source of potable water before it is purified for drinking purposes. Do not apply or allow discharge to lakes, flowing water or ponds with outflow.

**DIRECTIONS FOR USE:** Apply 1 Litre of POLYDEX to 60,000 Litres of water for 1 ppm of copper. 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 ppm as metallic copper in these waters.

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