

2021-1561
2022-12-07

OCION PX10

Bactericide Algaecide Cyanobactericide

For ponds, industrial and farm ponds, lagoons, wastewater lagoons, dugouts, municipal water supply reservoir, potable water storage tanks, supplies, equipment, and structures of water treatment facilities, pits, gutters, slurry reservoirs, and animal drinking water tanks

COMMERCIAL

ACTIVE INGREDIENT: Copper, present as copper sulphate pentahydrate.....5%

Registration No. 23636 Pest Control Products Act

READ THE LABEL BEFORE USING
KEEP OUT OF REACH OF CHILDREN

DANGER



CORROSIVE

DANGER



POISON

DANGER - CORROSIVE TO EYES

DANGER SKIN IRRITANT

Net Contents: 0.1 - 1000 L

Good Clean Water

DO NOT APPLY TO WATERS CONTAINING FISH WITHOUT
CONSULTING OCION PX10 DISTRIBUTOR FIRST

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2021-1561
2022-12-07

GENERAL INFORMATION: OCION PX10 is a Bactericide, Algicide, and Cyanobactericide. An innovative formulation that provides excellent control of algae, blue-green algae (cyanobacteria) in ponds, municipal water supply reservoirs, industrial and farm ponds, dugouts, lagoons, pits, gutters, slurry reservoirs, animal drinking water tanks and potable water storage tanks. Use for the control of ammonia and prevent 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 (Cu²⁺). Use a test kit to determine the existing copper level before adding more product. 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, DUGOUTS, INDUSTRIAL AND FARM PONDS, POTABLE WATER STORAGE TANKS, PITS, GUTTERS, SLURRY RESERVOIRS, ANIMAL DRINKING WATER TANKS: Apply 1 litre to 60,000 - 600,000 litres of water for prevention of algal bloom. Water conditions 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) to prevent 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 thoroughly.

BACTERIAL ODOUR CONTROL IN SEWAGE WATER AND ANIMAL MANURE/WATER PITS:

Application rates may vary depending on the amount of organic matter, characteristics of manure or sewage, the extent of bacterial activity in the pits, and degree of desired odour reduction. The 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.

CONTROL OF BLUE-GREEN ALGAE (CYANOBACTERIA) IN PONDS

Application Rate to Control Blue Green Algae Stages		
Stage of Bloom	Ionic Copper (ppm)	Ionic Copper (ppb)
Mild Cyanobacteria Existence	0.060	60
Full Algae Existence	0.120	120
Worse (Outbreak)	0.180	180
Shock Treatment	0.250	250

CALCULATION OF AREA TO BE TREATED

- Obtain surface area by measuring regular shaped ponds shown below in the table or mapping irregular ponds, or using previously recorded data or maps.
- Calculate average depth by sounding in a regular pattern and taking the mean of these readings or using previously recorded data.

Calculate the total volume of the water in litres:

Area to be Treated	Formula for Litres (measurement in meter)
Rectangular	Length (m) x Width (m) x Depth (m) x 1000 = Litres
Circle	Diameter (m) x Diameter (m) x Depth (m) x 786 = Litres
Oval	Length (m) x Width (m) x Depth (m) x 786 = Litres

METHODS OF APPLICATION:

Boat application

In larger bodies of water, the best way to apply OCION PX10 is by boat. Use minimal speed during application to allow the prop wash to disperse and mix the product into the treated waters using submerged hoses. A small pump mounted in the boat can easily be used for this purpose. When using this method, OCION PX10 is pumped from either its original container or a nurse tank into a hose (or manifolded gang of hoses) where hose(s) are trailing over the side or back of the boat and where the hose outlet is just below the surface of the water. Application through hoses eliminates or minimizes the risk of drift.

Surface spray: OCION PX10 may be applied as a surface spray by boat-mounted booms. Boat mounted booms should be mounted, so nozzle tips are no more than 2 feet above the water's surface. OCION PX10 can either be pumped from its original container or a nurse tank.

Shoreline application

In ponds and reservoirs, OCION PX10 is most easily applied by using either an electrically or manually operated hand sprayer.

Direct pour: For small bodies of water, apply by pouring OCION PX10 directly from the container into the water around half of the perimeter of the body of water. Several evenly-spaced application points will speed up dispersal.

DO NOT apply this product in a way that will contact workers or bystanders, either directly or

2021-1561
2022-12-07

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

Fatal if swallowed

Fatal if inhaled.

DO NOT breathe fumes or vapours.

CORROSIVE to the eyes. DO NOT get in eyes.

Corrosive to skin. DO NOT get on skin.

Wear goggles, chemical-resistant gloves, long pants, a long-sleeved shirt and shoes plus socks during mixing/loading, application, 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.

Apply only when the potential for drift beyond the area to be treated is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

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.

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

2021-1561
2022-12-07

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 OCION PX10. Fabrics containing nylon or cotton will dissolve on contact with full strength OCION PX10. Always rinse equipment with plenty of fresh clean water. Do not allow product to freeze. Freezing will cause separation.

STORAGE: Store this product away from food or feed.

DISPOSAL: Dispose of OCION PX10 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 spray mixture in the tank. 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: OCION PX10 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 OCION PX10 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 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.