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OCION BLUE™ Swimming Pool Bactericide Algaecide

Solution

For use in swimming pools, hot tubs and spas.

DOMESTIC

ACTIVE INGREDIENT: Copper, present as copper sulfate pentahydrate0.97%



CORROSIVE TO EYES
SKIN IRRITANT

REGISTRATION NO. 33927 PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING

KEEP OUT OF REACH OF CHILDREN

Net Contents: 0.1 - 20 L

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GENERAL INFORMATION: OCION BLUE Swimming Pool Bactericide Algaecide is an innovative formulation providing effective control of algae, bacteria, clarifying water, and stabilizing the pH. OCION BLUE Swimming Pool Bactericide Algaecide is gentle on pumps, filters, automatic cleaners, and safe to use on all pool and spa surfaces. Its application neither produces any odour nor by-products in water. Combining OCION BLUE Swimming Pool Bactericide Algaecide with a primary disinfectant gives excellent water quality when used at recommended rates. It is compatible with chlorine, bromine salt systems, ozone, and ultraviolet. Use of a copper ionizer can be eliminated when OCION BLUE Swimming Pool Bactericide Algaecide is used.

DIRECTIONS FOR USE

Dilution of 1:10,000 (1L OCION BLUE Swimming Pool Bactericide Algaecide per 10,000 litres of water) provides 1 part per million (ppm) ionic copper (Cu²⁺). When used as directed, OCION BLUE Swimming Pool Bactericide Algaecide provides extended water protection by eliminating algae, and increasing bacterial control capacity of primary disinfectants.

Product Dilution Table		
OCION BLUE Swimming Pool Bactericide Algaecide (L)	*Volume of Water (L)	Ion Copper (ppm)
1	20,000	0.5
1	10,000	1.0

Application of OCION BLUE Swimming Pool Bactericide Algaecide at 0.5 to 1.0 ppm ionic copper concentration to contaminated pools, kills algae and bacteria (in one hour to 1-2 days depending on the organism and pool conditions). The following pool/spa water balancing conditions are suggested for best results.

- pH - test and adjust pH (7.2 -7.6)
- total alkalinity (50 – 150 ppm)
- hardness (100 – 350 ppm)
- oxidize organics

The ionic copper level should be maintained at 0.5 to 1 ppm at all times. A combination of OCION BLUE Swimming Pool Bactericide Algaecide and primary disinfectant results in superior water quality. Dissolved copper levels can be monitored with a copper testing kit. A sequestering agent should be used to prevent or eliminate precipitation or staining. After any water chemistry adjustment, allow the water to circulate for 4 hrs before retesting.

Swimming Pools:

Initial treatment: For freshly filled pool or in early spring-before algae proliferates,

- Clean the pool area, remove leaves and other debris and vacuum. Check and verify the operational condition of pump, heater and other equipment. Clean or backwash the filter, run the filter continuously through the start up process.

- Obtain a complete analysis of the source water from the local distributor/city water treatment plant
- Calculate the accurate pool water volume in Litres:
 - For **RECTANGLE OR SQUARE POOL**: multiply length x width x average depth in metre to calculate cubic metre. Then multiply cubic metre x 1000 to determine litres of water.
 - For **ROUND OR OVAL POOL**: multiply radius (m) x radius (m) x 3.14 x average depth (m) x 1000 = Volume in litres
 - For **IRREGULAR SHAPE**: contact your manufacturer of your pool, spa or hot tub to get the exact volume of water.
- Balance the water parameters to achieve the recommended ranges, it may take several days, be patient.
- Apply 1 L OCION BLUE Swimming Pool Bactericide Algaecide to 10,000 L of water, run the filter continuously for 48 hrs.
- Water may become green at this point. It is not a concern as this is common.
- Check the water chemistry and balance it if it is required

Maintenance: In every two weeks,

- Clean cartridge filter, backwash sand filter or bump D.E. filter according to the filter's pressure gauge reading
- Test water chemistry. If required, balance the water parameters to ensure they are in recommended ranges
- When applying multiple chemicals to balance the water, wait 15 minutes between each application. Apply chemicals at opposite ends of the pool, near a return inlet and away from the skimmer and filter. Always follow label instructions.
- Test the copper level and add OCION BLUE Swimming Pool Bactericide Algaecide proportionally to maintain approximately 0.5 to 1.0 ppm of ionic copper. Do not allow copper level to drop below 0.5 ppm.
- Filtration is an important part of keeping the pool, spa and hot tub water crystal clear. Be certain that filtering schedule is adequate for the water volume, usage and bather load. Keep the filter in top shape by cleaning it regularly and replace the cartridge as needed. Follow the manufacturer's recommendation for running and maintenance.

Winter and Vacation: To close pool and keep it clear without maintenance during the cold winter months

- Test water, balance water parameters to ensure they are in the recommended ranges
- Run the filter for 4 hrs, clean pool and backwash sand filters, thoroughly clean D.E. or cartridge filters
- Raise the ionic copper level to 1.2 ppm. This will maintain antibacterial conditions in the pool during winter closure and long family vacations.
- Shut down the filter and cover the pool. Checking and adjusting on the copper level in mid-winter is recommended.

Spas and Hot Tubs:

- Make sure the spa/hot tub area is clean and all equipment is functional.
- Remove leaves and other debris and vacuum. Check and verify the operational condition of pump, heater and other equipment. Clean or backwash the filter, run the filter continuously through the start up process.
- Obtain a complete analysis of the source water from the local distributor/local pool store/city water board
- Calculate the total volume of spa/hot tub/swim spa water
- Balance the water parameters to achieve the recommended ranges, it may take several days, be patient.
- Apply 1 L OCION BLUE Swimming Pool Bactericide Algaecide to 10,000 L of water, run the filter continuously throughout the process.
- Elevated water temperatures require more frequent oxidation, water testing and pH/alkalinity adjustments.
- Unlike chlorine, OCION BLUE Swimming Pool Bactericide Algaecide does not evaporate and performs well at elevated temperatures.
- Follow the maintenance cycle every two weeks as described for pool maintenance.

OCION BLUE Swimming Pool Bactericide Algaecide Initial Dosage in ml for the Following Volume of Spas/Hot Tubs Water								
Target Copper Reading (ppm)	<i>Spas/Hot Tubs Water in Litres</i>							
	500	1000	1500	2000	2500	3000	4000	5000
1.0	50	100	150	200	250	300	400	500
0.5	25	50	75	100	125	150	200	250

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. CORROSIVE to the eyes. DO NOT get in eyes. Corrosive to skin. DO NOT get on skin. Wear chemical resistant gloves when handling. Wash the outside of gloves before removing. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Reacts with cotton, iron and some metals. Store in original plastic container. Do not allow to freeze. Excessive copper levels may stain hair and pool surface due to deposits of copper salts in contact with chlorine oxidizer.

ENVIRONMENTAL PRECAUTIONS: TOXIC to aquatic organisms. Although copper is an essential trace element in human and animal diets, it is toxic to copper sensitive fish in very small amounts. When apply to waters containing fish, product should be diluted to 1: 1,000,000. Treated water should not be discharged into lakes, streams or public water without consulting local authorities to ascertain allowable copper levels in the effluent.

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

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 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.

Note: 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 (synthetic rubber), or stainless steel (both 304 and 316 grades). Always rinse equipment with plenty of fresh clean water. Do not allow product to freeze. If product does freeze, it can be warmed to room temperature and mixed until clear without any loss of efficacy.

STORAGE: Store this product away from food or feed.

DISPOSAL: DO NOT reuse the empty containers. Dispose in household garbage. Unused or partially used products should be disposed at provincially or municipally designated hazardous waste disposal sites.

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.