

BEST DOCUMENT AVAILABLE

B-461

ACCEPTED
51032-4
AUG 1 1984

ACTIVE INGREDIENT:

Polyoxyethylene (dimethyliminio) ethylene
(dimethyliminio) ethylene dichloride

15.0%

INERT INGREDIENTS

85.0%

This product contains 1.29 lb. of active ingredient per gallon and weighs 8.58 lb. per gallon.

CAUTION

KEEP OUT OF REACH OF CHILDREN

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Avoid breathing vapors. Avoid contact with skin, eyes, or clothing.

FIRST AID: If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution, or, if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish. Do not discharge into lakes, streams, ponds, or public waters unless in accordance with an NPDES permit. For guidance, contact the regional office of the Environmental Protection Agency.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

STORAGE: Do not stack more than four drums high. Leaking or damaged drums should be placed in overpack drums for disposal. Spills should be absorbed in sawdust or sand and disposed of in a sanitary landfill. Keep container closed when not in use.

PESTICIDE DISPOSAL: Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL:

PLASTIC: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

METAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

B-461 is used to control the growth of algae in swimming pools, heated swimming pools, exterior whirlpools, and hot baths. It is used to control algae, bacteria, and fungi in recirculating commercial and industrial water cooling towers. It is also employed for the control of algae, bacteria, and fungi in the fresh water used in industrial processes.

B-461 is used to control the growth of algae in holding ponds and reservoirs and to control the growth of bacteria and fungi in holding and processing tanks of industrial fresh water systems supplying water for industrial processes. In such systems, it is employed either as a replacement for or as a supplement to the conventional treatment with chlorine or chlorine compounds. B-461 should not be added to water used for drinking or food preparation.

For the control of algae, bacteria, and fungi in industrial fresh water systems, B-461 is added at the rate of 4 to 44 fluid ounces of B-461 per 10,000 gallons of water to provide a concentration of 4 to 40 ppm B-461. Treatment is usually made continuously and should be based on the amount of water entering a pond or reservoir or leaving the pond or reservoir and entering the intermediate processing operations. In some cases, regular treatment periods of several hours each day will provide adequate control of the microorganisms.

Prior to the use of B-461 in water cooling towers, systems should be cleaned to remove algal growth, microbiological slime, and other deposits. Then make an initial slug addition of 4 to 10 fluid ounces of B-461 per 1000 gallons of water to provide 32 to 80 ppm B-461, based on the total weight of water in the system. Repeat initial dosage until control is evident. Make subsequent slug additions of 1 to 10 fluid ounces of B-461 per 1000 gallons of water (8 to 80 ppm B-461) every 2 to 5 days or as needed. The frequency of addition depends upon the relative amount of bleedoff and the severity of the microbiological problem. Slug additions should be made in the sump of water cooling towers.

B-461 is used to control bacteria in industrial air washing systems that maintain effective mist-eliminating components. Prior to its use systems should be cleaned to remove bacterial slime and other deposits. An initial slug dose of 14.8 to 24.7 fluid ounces of B-461 per 1000 gallons of water is recommended. Repeat initial dosage until control is evident. Subsequent slug additions of 10.1 to 24.7 fluid ounces of B-461 per 1000 gallons of water should be employed each 1 to 5 days or as needed. The frequency of addition depends upon the relative amount of bleedoff and severity of the bacterial problem. Slug additions may be made to the sump or to the water collection trays of the air-wash system.

For maximum effectiveness of B-461 in swimming pools, heated swimming pools, exterior whirlpools, and hot baths, those with heavy growths of algae should be cleaned prior to using B-461. For pools having just visible algae growth, add an initial dose of 50 to 77 fluid ounces of B-461 per 10,000 gallons of water and remove settled algae debris by cleaning. For treatment of a freshly cleaned and filled pool, add initially 27 to 50 fluid ounces of B-461 per 10,000 gallons of water. To maintain pools free of visible algae growth, subsequent additions of 9 to 18 fluid ounces of B-461 per 10,000 gallons of water should be made every 5 to 7 days after the initial treatment.

Uniform distribution of B-461 throughout the water in the pool is necessary for maximum effectiveness. B-461 is compatible with those chemicals normally used to treat pools and is effective at both acid and alkaline pH. B-461 can be used in pools treated with chlorine chemicals and may reduce the amount of those chemicals normally required. However, do not mix B-461 with concentrated dry or liquid chlorine products.

B-461 is used to control the growth of algae in decorative fountains. Systems containing heavy growths of algae should be manually cleaned prior to treatment. Fountains with just visible algae growth require an initial dose of 5 to 8 fluid ounces of B-461 per 1000 gallons of water in the system. To treat a freshly cleaned and filled fountain, add 3 to 5 fluid ounces of B-461 per 1000 gallons of water. Maintenance dosages of 1 to 2 fluid ounces of B-461 per 1000 gallons of water should be added every 5 to 7 days as needed. Additions of B-461 should be made at a point to ensure uniform distribution throughout the system. B-461 may be used in fountains treated with chlorine chemicals, but do not mix B-461 with concentrated dry or liquid chlorine products.

Manufactured by:

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