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Kingscote Tropical Shade

Lake and Pond Dye

Tropical Shade Lake and Pond products are specially formulated versions of the dye Acid Blue 9. Lake and Pond products are used to enhance lakes, fountains and ponds with an attractive natural deep blue color and are environmentally safe, non-toxic.

Tropical Shade's active ingredients are known to be effective in inhibiting photosynthesis in early bottom growth. The extent to which growth is inhibited will depend on how early in the season lake and pond is applied.

Based on biochemical oxygen demand (BOD) studies, the dye is biodegradable with 77% of the available oxygen consumed in 7 days.

Tropical Shade's Lake and Pond products have been certified by NSF International to the ANSI/NSF Standard 60 for use in drinking water at specific levels. As always a qualified hydrologist or other industry professional should evaluate the suitability of these products for any specific application.

General Properties	Liquids	Toss and Go
Detectability of active ingredient [1]	Visual <100 ppb	Visual <100 ppb
Maximum absorbance wavelength [2]	630 nm	630 nm
Appearance	Clear, dark blue aqueous solution	Dark blue fine powder
Weight	8.35 lbs	2.5 oz. Per packet
Active ingredient	12.5% by weight	75% by weight
Dissolution Time [3]	Immediate	50% < 3 minutes 95% < 6 minutes
Specific Gravity	1.04 $\pm$ 0.03 @ 25° C	
Viscosity [4]	1.8 cps	
pH	5.2 $\pm$ 1.0 @ 25° C	

Coverage of Products	Liquids	Toss and Go
Strong Visual	4 acre/ft. per gallon (1,300,000 gallons of water)	216,600 gallons per packet

Caution: These products may cause irritation and/or staining if allowed to come in contact wit the skin. The use of gloves and goggles is recommended when handling this product, as with any other dye or chemical.
To our best knowledge the information and recommendations contained herein are accurate and reliable. However, this information and our recommendations are furnished without warranty, representation, inducement, or license of any kind, including, but not limited to the implied warranties and fitness for a particular use or purpose. Customers are encouraged to conduct their own tests and to read the material safety data sheet carefully before using.

[1] In deionized water in 100 ml flask. Actual detectability and coverage in the field will vary with specific water conditions.
[2] Smaller peak at 405 nm.
[3] (One tablet, 1 gram of powder), in flowing deionized water in a 10 gallon tank.
[4] Measured on a Brookfield viscometer, Model LV, UL adapter, 60 rpm @ 25° C.