

Kennecott

KENNECOTT COPPER CORPORATION SPECIAL PRODUCTS DIVISION



TECHNICAL DATA

Chemicals

6065 FLETCHER

HOUSTON, TEXAS 77036

1-800-4651

K-LOX FRONT LABEL

K-LOX[™] ALGAEICIDE

FOR USE IN
GOLF COURSE, ORNAMENTAL, FISH AND FIRE
PONDS; POTABLE WATER RESERVOIRS; FRESH
WATER LAKES AND FISH HATCHERIES.

ACTIVE INGREDIENT	Weight Percent
Copper as elemental*	8.0
INERT INGREDIENTS	92.0
	100.0

*From copper triethanolamine complex

One gallon contains 0.8 pounds of metallic copper

**CAUTION: KEEP OUT OF REACH OF CHILDREN
HARMFUL IF SWALLOWED**

Additional Precautions -- Side Panel

Areas treated with K-LOX may be used for fish-
ing and swimming immediately after treatment.

NET CONTENT: 5 Gallons

EPA Reg. No. 8901-9

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K-LOX ALGAECIDE

GENERAL INFORMATION:

K-LOX algaecide provides effective control of various blue-green, filamentous and planktonic algae which can occur in potable water reservoirs, recreational lakes, ornamental golf course and fish and industrial ponds. K-LOX is most effective when applied in bright sunlight at the first signs of algal bloom. K-LOX treated water may be used to irrigate turf, fairways, putting greens and ornamental plants immediately after treatment.

K-LOX is used in combination with DIQUAT for quicker knock-down of **Hydrilla verticillata** (Florida only).

SPECIFIC INSTRUCTIONS

ALGAE CONTROL: Free floating algae (planktonic), such as *Actinocyclus*, *Dot. spheerium*, *Equi. sp.*, *Anat. sp.*, *Microc. sp.* are controlled using 0.2 to 0.5 ppm metallic copper depending on severity of growth.

Filamentous algae such as *Chara*, *Cladophora*, *Hydractinia*, *Oedogonium* and *Spirogyra* require 0.5 to 1.0 ppm metallic copper depending on growth intensity. *Chara* and *Hydractinia* are difficult to control unless treatment at 0.5 to 1.0 ppm metallic copper is initiated at the first signs of algal bloom.

Dilute one volume of K-LOX with 10-20 volumes of water before application to any body of water. Begin treatment as soon as the first signs of algae appear. Spray diluted mixture from shore or boat evenly across surface of water at rates to achieve a particular copper concentration according to the table below. To ensure best results, remove large mats of floating algae manually before treatment. A second application 1-2 weeks after the first may be necessary for heavily infested areas.

Depth of water (feet)	Gallons of K-LOX per acre to achieve the desired copper content.		
	0.2 ppm Cu	0.5 ppm Cu	1.0 ppm Cu
1	0.68	1.70	3.40
2	1.36	3.40	6.80
3	2.04	5.10	10.20

HYDRILLA VERTICILLATA: (Florida only) Treat with a combination of 4 gallons of K-LOX plus 2 gallons of DIQUAT per surface acre. Make application in bright sunlight when water temperature is above 65 F for best results. Combine K-LOX and DIQUAT with water in a mix tank to make approximately 100 gallons for each surface acre treated. Apply the mixture through hoses which are dragged approximately one foot above the lake bottom. Do not drag hoses on the bottom. Complete effect of the treatment will be observed in 8-12 weeks. In heavily infested areas, a second application after 12 weeks may be necessary.

CAUTION: Avoid contact with skin and eyes. In case of contact wash thoroughly; for eyes, wash with copious amounts of water and get immediate medical attention. Seek medical attention if swallowed.

WARNING: Concentrated K-LOX may be injurious to grass, ornamental plants and other foliage. Do not apply K-LOX in such a way that contact with plants or grass can occur. Apply only as specified on label.

Treatment of algae and/or aquatic weeds can result in oxygen loss from decomposition of dead vegetation. This loss can cause fish suffocation. Therefore, treat 1/3 to 1/2 of the water area in a single operation and wait 10-14 days between treatments. Begin treatment along the shore and proceed outwards in bands to allow fish to move into untreated areas.

NOTE: This product is not intended for use in drinking water. Do not use in areas where the water is used for drinking. Do not use in areas where the water is used for irrigation. Do not use in areas where the water is used for livestock consumption. Do not use in areas where the water is used for human consumption.

Keep out of Copper. Do not use in areas where the water is used for drinking. Do not use in areas where the water is used for irrigation. Do not use in areas where the water is used for livestock consumption. Do not use in areas where the water is used for human consumption.

ACCEPTED

7/19/73

UNREGISTERED PESTICIDE
FOR FEDERAL REGISTER-
ED UNDER THE FIFTEENTH SUBJECT
TO ATTACHED COMMENTS.

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