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02/21/1974

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NALCO Cuprose is rapidly soluble in alkaline waters and highly stable in solution. These properties make NALCO Cuprose a highly efficient algae control material - more effective than copper sulfate.

The greater effectiveness of NALCO Cuprose results in more economical treatment costs.

ACCEPTED
Feb. 21, 1974

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CUPROSE

Product Bulletin J4 Cuprose

PRINCIPAL USES

NALCO Cuprose is designed to prevent algae growth in industrial recirculating cooling water systems, spray ponds, and municipal reservoirs.

GENERAL DESCRIPTION

Copper sulfate based formulation. Furnished only in crystalline form.

Color	Bluish white
Odor	None
Density	70 lb/cu ft
pH of 5% Solution	2.3
Copper Content (as Cu)	20.4%

HANDLING

CAUTION: NALCO Cuprose should be handled with the same precautions as copper sulfate since it may cause irritation to skin and eyes. Avoid contact with eyes and skin. Avoid breathing dust.

In case of contact, wash skin with soap and water; for eyes, immediately flush with large amounts of water for at least 15 minutes, and get medical attention.

NOTE: Maximum copper content permissible in finished potable water supplies is 1 ppm according to 1962 Public Health Service Drinking Water Standards.

STORAGE

NALCO Cuprose does not deteriorate with age, but will cake if unduly exposed to humidity.

SHIPPING

From Chicago - 100-lb fiber drums
From Warehouses - 100-lb fiber drums

DOSAGE AND FEEDING

For control of algae in industrial ponds, feed 16-124 pounds NALCO Cuprose per million gallons of water (2-15 ppm NALCO Cuprose); for reservoirs, do not exceed 13.3 lb/acre foot (equivalent to 1 ppm as Cu) applied by broadcasting or using a mechanical spreader.

NOTE: Fish in waters treated with this product may be killed. Treat only 1/3 to 1/2 of the water area in a single operation and wait at least 10 to 14 days between treatments. Decaying algae deplete the oxygen content of water and result in fish kills if an excessive area is treated at one time. Begin treatment along the shore and proceed outward in bands to allow fish to move into untreated areas. Consult your State Fish and Game Agency before applying this product to public waters.

To control algae in industrial recirculating cooling-water systems, add 4.2 pounds NALCO Cuprose per 100,000 gallons of system water (5 ppm NALCO Cuprose) initially to gain control. Repeat treatment when system is in jeopardy of becoming affected or after cleaning of systems whose efficiency is already impaired. Badly fouled systems must be cleaned before treatment is begun. When algae control is evident, add 0.8-4.2 pounds NALCO Cuprose per 100,000 gallons of system water (1-5 ppm NALCO Cuprose) once a week or as needed to maintain control. Apply NALCO Cuprose to a point in the system where the product will be uniformly mixed. NALCO Cuprose may be fed as is, using a stoker-type feeder or as a 5% water solution using plastic or ceramic proportioning equipment. Technical advice on individual site problems is obtainable from your Nalco Representative.

NOTE: Treated effluent should not be discharged where it will drain into lakes, streams, ponds, or public water.

This product is toxic to fish. Do not contaminate water by cleaning of equipment or disposal of waste. Apply this product only as specified.

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SUBSIDIARIES IN BRAZIL, COLOMBIA, ITALY, MEXICO, SPAIN, SWEDEN, SWITZERLAND, VENEZUELA AND WEST GERMANY. AFFILIATES IN AUSTRALIA, CANADA, SOUTH AFRICA, UNITED KINGDOM AND THE UNITED STATES.

