

8/18/81

RESEARCH LABORATORY/TECHNICAL DATA

DEEP CRYSTAL

GENERAL DESCRIPTION:

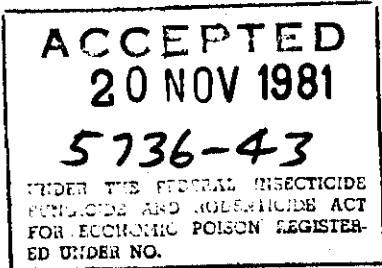
DEEP CRYSTAL is a fast dissolving, dry source of chlorine for cleaning heavy algae deposits from cooling towers. It is also used to prevent algae growth and buildup which reduces tower efficiency.

PROPERTIES:

APPEARANCE A white crystalline powder
 ODOR Mild chlorine
 FOAM None
 pH 6.0 to 7.0

USING PROCEDURE:

Use DEEP CRYSTAL when algae buildup becomes noticeable. Treatment is best given during evening hours to reduce the dissipation rate common to chlorine treatments caused by heat, agitation and sunlight.



1. Shut off all bleed valves.
2. Sprinkle three pounds of DEEP CRYSTAL per 1000 gallons of cooling tower water at a convenient, high point in the system. The total volume of water is usually ten times the tonnage rating of a cooling tower. Thus, a 100 ton tower will average 1000 gallons total volume of water.
3. Keep all bleed valves shut and allow water to circulate for four hours or more.
4. Sweep out loosened algae. Dead algae will be gray or brown and will not rinse away unless helped with agitation.
5. Reopen all bleed valves at end of treatment period. Again, sweep out loosened algae 24 hours after beginning treatment.
6. Repeat entire procedure until algae is removed, or if algae fouling recurs.

After chlorination, the efficiency of the system should be maintained by treatment with a slimicide, such as X-PEL or GAX-21.

PRECAUTIONS:

OXIDIZING MATERIAL. CONTACT WITH MOISTURE, COMBUSTIBLE OR FOREIGN MATTER MAY CAUSE FIRE OR DECOMPOSITION. MOISTURE CONTAMINATION MAY LIBERATE IRRITATING AND HAZARDOUS CHLORINE-CONTAINING GASES. DO NOT MIX WITH ANYTHING BUT WATER.

(continued)

DuBOIS CHEMICALS, DIVISION OF CHEMED CORPORATION

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Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

EPA Reg. No. 5736-43-AA

DANGER: Highly corrosive. Causes skin and eye damage. May be fatal if swallowed. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Irritating to nose and throat. Avoid breathing dust. Remove and wash contaminated clothing before reuse.

PRACTICAL
TREATMENT:
(FIRST AID):

If swallowed feed bread soaked in milk followed by olive oil or cooking oil. Call a physician immediately. If on skin: Brush off excess chemical and flush skin with cold water for at least 15 minutes. If irritation persists, get medical attention.

STORAGE AND
DISPOSAL:

Keep product dry in tightly closed container when not in use. Store in a cool dry, well ventilated area away from heat or open flame.

See DEEP CRYSTAL label for additional statements regarding Environmental Hazards, Storage and Disposal, plus Physical and Chemical Hazards.

PACKAGING:

5-Gallon Pail - Net Weight 40 pounds (18.1 kilograms).