

Technical Data Sheet**CS-500 Biodegradable, All-In-One Cooling Tower Treatment****GENERAL DESCRIPTION:**

CS-500 is a unique, non-hazardous bio-catalyst effective and keeping cooling towers and evaporative condensers clean without the need for inhibitors and biocides. CS-500 enhances existing non-pathogenic bacteria. These beneficial bacteria secrete enzymes that break down scale forming solids in the water. They absorb and digest the solids converting them into H₂O, CO₂ and other harmless substances, keeping the tower water clean. Bacteria levels are generally lower than traditional chemical treatments. CS-500 treated systems maintain bacteria levels of less than 10⁴ colony-forming units per ml. CS-500 also helps prevent corrosion by regulating system pH and lowering dissolved solids and thus conductivity. A system pH level of 8.0-9.0 limits corrosion levels to 2-5 mil per year or less. CS-500 also helps control bio-films and algae.

PHYSICAL PROPERTIES:

Appearance (concentrate)..... Clear Tan Liquid
Solubility Complete in Water
Specific gravity 1.03
Density..... 9.0 lbs/gal

FEEDING:

CS-500 must be properly dosed using a metering pump and a controller with water meter input for effective results. Cycles do not impact CS-500 feed rate. Feed based on make-up water volume to provide 20-50 ppm in the feed water. The larger the system, the lower dosing level should be used (300 ton units and larger) and for small systems the higher dosing level should be used. The system must be fitted with a properly operating conductivity controller and blowdown. Maximum system conductivity is dependent upon make-up water values, but should generally be set to provide 3.5 cycles. Maintain pH in the 8.0-9.0 range and keep silica levels below 150 ppm. Do not overfeed as excessive CS-500 can promote algae.

**DO NOT ADD ANY OTHER TREATMENT
PRODUCTS (ESPECIALLY BIOCIDES) WHILE
USING CS-500 AS IT WITH INTERFERE WITH THE
NATURAL EQUILIBRIUM OF THE SYSTEM**

SAFETY AND HANDLING:

CS-500 is non-hazardous however, good industrial hygiene recommends washing with soap and water if you get CS-500 on your skin. Also, wash hands before eating or drinking anytime you work around a cooling tower.

PACKAGING:

CS-500 is available primarily in 30 and 55-gallon natural poly drums. Other sizes are available upon request. F.O.B. shipping point.

STORAGE INSTRUCTIONS:

Store at room temperature - keep from freezing.

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Industrial Water Treatment
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