

KOOL TOWER A-706

BLENDED PH BUFFERING COMPOUND



PRODUCT APPLICATION GUIDE

KOOL TOWER A-706 is a blended pH buffering compound designed to maintain pH within a desired range in open recirculating cooling water systems. This material is not intended for use as a complete cooling water treatment but for use in conjunction with an inhibitor and dispersant blend to provide complete protection of the system.

TYPICAL PROPERTIES

Appearance: Opaque liquid

pH of 1% solution: 1 - 2

Weight: approx. 11 lbs./gal.

Handling Precautions:

Material is a corrosive acid compound. Do not mix with or let product come in contact with oxidizers.

Packaging: 15 and 55 gallon plastic drums

Pounds per Gallon 11.3

KOOL TOWER A-706 is designed as a pH buffering agent for cooling tower makeup water with excessive total alkalinity which makes the use of a dispersant-inhibitor only impractical.

With use of this product scale crystal formation can be eliminated in systems, which would ordinarily experience fouling even with excessive polymer feed rates.

System piping can be maintained free of scale even at maximum cycles of concentration, which conserves both water and sewer costs as well as corrosion inhibitor chemical feed rates.

DOSAGE AND APPLICATION

- Application of the product is made through a positive displacement, adjustable output chemical feeder in proportion to system makeup or system pH.
- Ideally, dosage is made based on system pH through the use of a pH monitor-controller and chemical feeder. Frequent tests should be made by personnel on the system to ensure pH is within acceptable limits of 7.8 - 8.3.
- Initial application is made at a rate of 1 quart per 1000 gallons of makeup water.
- Adjustment is made by test to maintain system water pH in a range of 7.8 - 8.3, dependent upon the scaling tendencies of the water.