



## Application Guide for BCP™ 1000 Series Use in a Biofilm Control Program (BCP™)

**DTEA II™** (the active ingredient in BCP™ 1000 series products) is a multi-purpose chemical used in industrial cooling water systems. Its primary uses are organic deposit dispersant, penetrant aid, deposit cleaner and with some biocide, provides a Biofilm Control Program. It also provides corrosion inhibition for yellow metals.

**BCP™ 1000** series products in a Biofilm Control Program (BCP™) keeps systems clean.

The most effective way to use BCP™ 1000 products is to dose and then follow with biocide dose 30 minutes to 1 hour later so organic deposits are released and the biocide provides the kill in the bulk water.

### Compatibility

BCP™ 1000 products are generally\* compatible with all water treatment chemicals. Most effective use is when added 30 minutes to 1 hour before biocide treatment to prepare the system for the action of the biocide.

\*Contact us for guidance on the use of BCP™ Products with Glutaraldehyde

**Continuous Feed: Call for details; 1 – 5 ppm is recommended for continuous feed**

**Maintenance – Slug Dose: 25 – 65 ppm BCP™ 1015**

- Dose 1 to 3 times per week
- Optimize the amount (ppm) and frequency of dosing by relying on your system quality control measurements and setting the dosage to keep the system clean.

**Clean-Up – Slug Dose: 50 – 100 ppm BCP™ 1015**

- Dose each day or until system performance measurements and visual inspection show satisfactory removal of organic deposits and system clean-up.

**Super Slug Dose – Clean-up of heavily fouled systems: 100 ppm BCP™ 1015**

- Dose at 1-2 hour intervals
- Add high concentration dose (100 ppm) of BCP™ 1015 to penetrate and disperse organic deposits from the surfaces
- After 1-2 hours, initiate an enhanced/manual blow down to remove released organic deposits & non-organic deposits
- Repeat dose and enhanced/manual blow down steps until system quality control measurements indicate satisfactory clean up

### How to Monitor Treatment Effectiveness

- Visual inspection of deposits removed (real time)
- ATP diagnostic method to measure organic deposit release (real time)
- Approach temperatures, delta T's, plate counts etc. (real time)



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