



Application Guide for BCP™ 1030

Use in a Biofilm Control Program (BCP™)

DTEA II™ (the active ingredient in BCP™ 1030) is a 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 (BCP™).

BCP™ 1030 in a Biofilm Control Program (BCP™) keeps systems clean. The most effective way to dose BCP™ 1030 is to 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™ 1030 is generally compatible with all water treatment chemicals*. The staggered dosing method and feeding BCP™ 1030 in a separate line ensures optimal effectiveness of both BCP™ 1030 and the biocide in a biofilm control program.

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

Dosing

Maintenance

Continuous Feed: 2 – 5 ppm BCP™ 1030

Slug Dose: 12 – 30 ppm BCP™ 1030

- Dose 1 to 3 times per week.
- Optimize the dosing and frequency of dosing based on quality control (QC) metrics.

Clean-Up

Slug Dose: 13 – 50 ppm BCP™ 1030

- 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): 50 ppm BCP™ 1030

- Dose at 1-2 hour intervals.
- Add high concentration dose (50 ppm) of BCP™ 1030 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, plate counts, total suspended solids (TSS), etc...



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