



Application Guide for BCP™ 1015

Use in a Biofilm Control Program (BCP™)

DTEA II™ (the active ingredient in BCP™ 1000 series products) is used in industrial cooling water systems as an organic deposit dispersant, penetrant aid, deposit cleaner and with some biocide, provides a Biofilm Control Program (BCP™).

BCP™ 1015 in a Biofilm Control Program (BCP™) cleans up systems and keeps them clean. The most effective way to apply BCP™ 1015 for cleaning is to slug dose it 30 minutes to 1 hour prior to biocide dosing. This allows organic deposits to be released from surfaces for more effective biocide kill. In addition, BCP™ 1015 may be fed continuously to keep systems clean.

Compatibility

BCP™ 1015 is generally compatible with all water treatment chemicals*. The staggered dosing method and use of a separate feed line for BCP™ 1015 ensures optimal effectiveness of both BCP™ 1015 and the biocide in a biofilm control program.

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

Dosing

Maintenance

Continuous Feed: 4 – 10 ppm BCP™ 1015

Slug Dose: 25 – 65 ppm BCP™ 1015

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

Clean-Up

Slug Dose: 25 – 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, plate counts, total suspended solids (TSS), etc...



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