PCT 3026 "Stabilized Bromine"

Effective, Low Cost Biocide for High pH Cooling Tower Operation

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Cooling towers are a wonderful place to live and grow, if you are a microorganism! The uncontrolled growth of microorganisms in cooling towers causes all sorts of operating and health/safety problems. Algae mats and biofilm plug cooling water passages, increase corrosion rates under the growth, and can provide a breeding ground for disease causing bacteria like Legionella.

Microorganism growth in cooling towers is controlled by routine doses of costly chemical biocides to kill off the unwanted microorganisms. In 1993 we developed a unique product, PCT 3026, "stabilized bromine", which is a very effective biocide in cooling waters operated at pH values over 7.5. The product is effective against algae, bacteria, fungi, moulds, and, as an oxidizer, is recognized as effective on the bacteria responsible for Legionnaires Disease. **As shown, PCT 3026 is more economical than all other biocides used in high pH cooling waters.**

Product	Dose – mg/l	Lb/1000 gal	$/lb	$/1000 gal
16% quat	65	0.54	2.40	1.30
20% polyquat	35	0.29	2.95	0.86
30% carbamate	50	0.42	3.15	1.32
98% bromine tablets	26	0.22	5.20	1.14
20% DBNPA	40	0.33	4.80	1.58
1.5% isothiazolin	127	1.06	3.65	3.87
15% glutaraldehyde	230	1.92	3.30	6.34
PCT 3026	40	0.33	1.95	0.64

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