

Industrial Water Treatment Microbiological Control



Get clean, keep clean

Complete microbiological control can be achieved with BWA Water Additives range of oxidizing and non-oxidizing biocides. Bellacide® products are non-oxidizing biocides which have been designed to solve a wide range of microbiological problems that occur in many different water treatment situations. These products work under severe conditions and are synergistic with halogen treated systems. BromiCide® and LiquiBrom® are both bromine release agents which have been developed for the control of bacteria, fungi and algae in industrial water systems. Both products provide effective microbiological control over a wide pH range without the need for high free halogen residuals. Product consumption is reduced, lowering treatment cost.

Our wide selection of scale inhibition chemistry can be tailored for any treatment scenario.
Learn more at www.wateradditives.com



	Chemistry	Application Area	Application Use	Features and Benefits
Bellacide® 355	Tetra-alkyl Phosphonium Quat	Cooling water	Fast kill, broad spectrum biocide and biodispersant	<ul style="list-style-type: none"> • Strong activity against bacteria, fungi, and algae with a wider kill spectrum than most competitive biocides. • Excellent biodispersant properties which prevent build-up of microbiological slime on heat exchangers and can be used to clean fouled systems. • Inhibits <i>Legionella pneumophila</i>. • Acts synergistically with oxidizing and non-oxidizing biocides.
Bellacide® 301	Dual Onium Quat	Cooling water	Halogen system	<ul style="list-style-type: none"> • Keeps a system clean, at a very low dosage in halogenated systems. • 50ppm once a week proven effective for clean systems. • Broad spectrum control eliminates the need to rotate non-oxidizers or use a biodispersant.
Bellacide® 325	Terbutylazine (TBZ)	Cooling water, ornamental fountains, cooling water ponds and clarifiers	Algae control	<ul style="list-style-type: none"> • Kills algae by inhibitory photosynthesis. • Highly effective algae control with lower treatment cost and lower discharge levels of organic biocides. • Forms synergistic combinations with halogens for dose optimization and provides rapid and effective control of algae blooms.
BromiCide®	Bromochlorodimethylhydantoin (BCDMH)	Cooling water, process water, waste water, pulp & paper	Fast kill, broad spectrum biocide	<ul style="list-style-type: none"> • Oxidizing bromine chemistry provides comprehensive control. • Effective microbiological control across a broad pH range including alkaline waters. • Effective in nitrogen containing waters which minimizes halogen feed rate while providing effective microbial control. • Multiple products forms available to achieve application specific dosing. • Substantial regulatory investment and global regulatory acceptance.
LiquiBrom®	Sodium Bromide	Cooling water, process water, waste water, pulp & paper	Fast kill, broad spectrum biocide	<ul style="list-style-type: none"> • Cost effective microbiological control. • Oxidizing bromine chemistry. Greater microbiological control at higher pH. • Requires activation from another halogen.

Americas

1979 Lakeside Parkway,
Suite 925
Tucker, GA 30084, USA
Phone +1 678 802 3050
Or 800 600 4523

Asia Pacific

No. 1 Magazine Road
#04-01, Central Mall Office Tower
Singapore 059567
Phone +65 9745 3227

Europe

2 Brightgate Way
Stretford, Manchester M32 0TB
United Kingdom
Phone +44 161 864 6699

MENA

DMCC Dubai Branch
Office 1802, Level 18
Jumeirah Bay X3 Tower, Cluster X
Jumeirah Lake Towers
P.O. Box 263164, Dubai, UAE
Phone +971 4 880 7336

Patents:

BWA Water Additives (BWA) owns or is the licensee of patents and patent applications, which may cover the products and/or uses described in this case study. The following are registered trademarks of BWA Bellacide, BromiCide, LiquiBrom Drop and Swirl logo. © Registered US Patent and Trademark Office. © 2016 BWA, All rights reserved.

The information contained in this case study is based on data available to BWA Water Additives and is thought to be correct. Since BWA has no control over the use of this information by others, BWA does not guarantee the same results described herein will be obtained, and makes no warranty of merchantability or fitness for a particular purpose or any express or implied warranty. This information is intended for use by technically trained personnel at their discretion and risk.

BWA Water Additives UK Limited is a private limited company registered in England and Wales at 2 Brightgate Way, Manchester M32 0TB, Registered No.5657343.

BWA2016v2