

# Bellacide® 355 and Bellacide® 301

clean up and keep clean biocides

Eliminate biofilm, improve microbial control and lower costs.



## Bellacide 355 and Bellacide 301 in action

**Eliminating biofilm in a manufacturer's air washer system,  
while reducing cooling water treatment costs by 50%.**

Removed  
biofilm

Reduced  
bacteria counts

Eliminated odor from  
overfeeding of bleach

### Challenge

Despite treatment twice per week with 50 ppm of glutaraldehyde, the air washer system at a large textile plant still contained visual biofilm. Large quantities of glutaraldehyde pushed the plant over its operating budget, while the high levels of bleach needed to fight biofilm caused health, safety and odor issues for plant personnel.



Biofilm defies glutaraldehyde and bleach.

### Results

To clean up the biofilm, glutaraldehyde was replaced by Bellacide 355. High dosages restored the air washer's operational efficiency within 24 hours. A subsequent program of Bellacide 301 at 50 ppm and a reduced dosage of bleach kept the system clean, while reducing operational costs by 50%.



Bellacide 355 and Bellacide 301 clean the system.

Our wide selection of biocide chemistry can be tailored for any treatment scenario.

**Learn more at [www.wateradditives.com](http://www.wateradditives.com)**

# Bellacide® 355 and Bellacide® 301

Bellacide 355 and Bellacide 301 are two biocides that are highly synergistic with halogens, outperforming common non-oxidizing biocides, improving microbiological control and reducing total cost of operation.

	Bellacide 355 for cleaning up.	Bellacide 301 for keeping clean.
Dose in halogenated systems	80–120 ppm	40–50 ppm
Dose in single biocide systems	200–300 ppm	120–150 ppm
Activity	5 %	5 %
Eliminate biodispersant	No	Yes
Controls biofilm	Yes	Yes
Corrosion inhibition	Yes	No

## Improved health and safety

Treatment	Skin sensitization classification
Bellacide 355	Non-sensitizer
Bellacide 301	Moderate
Glutaraldehyde	Strong
Isothiazolone	Extreme



[www.wateradditives.com](http://www.wateradditives.com)

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