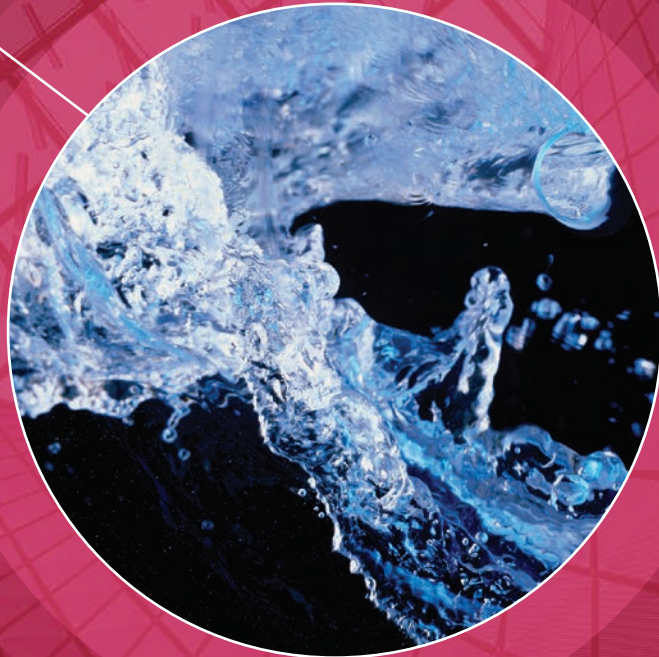


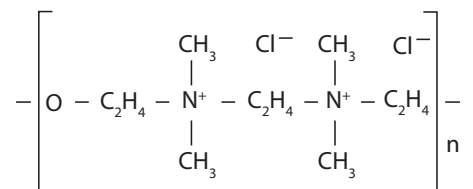
**WSCP**  
Recirculating  
Cooling Water

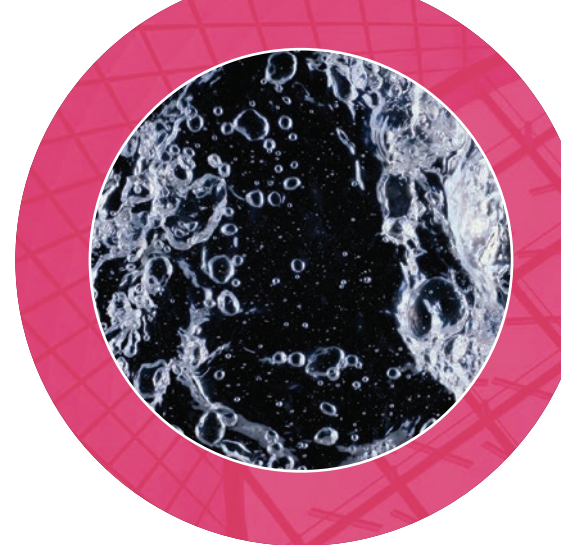


## Get broad-range protection with a single microbicide.

Keep cooling water systems running clean with WSCP from Buckman.

**Incorporate WSCP from Buckman** into your water treatment program and you'll get a highly effective microbicide that fights not only algae, but bacteria and fungi too. A liquid polymeric quaternary ammonium microbicide, WSCP stops microbiological growth in cooling towers and other commercial and industrial recirculating cooling water systems. And that stops unnecessary downtime, saves time and saves money.





# Eliminate the microbiological fouling that inhibits heat transfer.

Unchecked, microorganisms can cause corrosion and prevent efficient heat transfer.

WSCP controls it all, keeping water clean and cooling systems running at top efficiency. It can be diluted to obtain just the right formula strength required, and it offers some big benefits standard quaternary ammonium products can't.

## WSCP performs better

- More effective than standard quaternary ammonium compounds
- Does not cause foaming the way other quaternaries do
- Provides complete control at low dosages
- Stable over a pH range of 7.0–9.0
- Provides functional synergism with oxidizing microbicides
- Exhibits minimal oral and dermal toxicity

## Low dosage, high efficiency

WSCP from Buckman provides outstanding control at low dosage.

| Organism  | MIC (ppm WSCP) |
|---|----------------|
| <b>Bacteria<sup>1</sup></b>                         |                |
| <i>Enterobacter aerogenes</i>                       | 0.5            |
| <i>Pseudomonas aeruginosa</i>                       | 0.3            |
| <i>Escherichia coli</i>                             | 0.5            |
| <i>Klebsiella pneumoniae</i>                        | 0.5            |
| <i>Serratia marcescens</i>                          | 1.0            |
| <i>Alcaligenes faecalis</i>                         | 4.0            |
| <i>Chromobacterium violaceum</i>                    | 2.0            |
| <i>Salmonella choleraesuis</i>                      | 0.5            |
| <i>Streptococcus faecalis</i>                       | 0.5            |
| <i>Bacillus megatherium</i>                         | 0.5            |
| <b>Mold<sup>2</sup></b>                             |                |
| <i>Penicillium roqueforti</i>                       | 10.0           |
| <i>Chaetomium globosum</i>                          | 5.0            |
| <b>Yeast<sup>3</sup></b>                            |                |
| <i>Candida albicans</i>                             | 2.5            |
| <b>Cyanobacteria<sup>4</sup> (Blue Green Algae)</b> |                |
| <i>Oscillatoria prolifera</i>                       | 8.0            |
| <i>Nostoc sp.</i>                                   | 8.0            |
| <i>Phormidium inundatum</i>                         | 8.0            |
| <i>Anabaena sp.</i>                                 | 8.0            |
| <b>Green Algae<sup>5</sup></b>                      |                |
| <i>Chlorella pyrenoidosa</i>                        | 2.0            |
| <i>Chlorococcum hypnosporum</i>                     | 2.0            |
| <i>Volvox carteri</i>                               | 1.0            |

## Extensive safety studies

You can feel good about using WSCP as part of your overall treatment program. WSCP has performed extremely well in comprehensive health and safety testing. And its impact on the environment is minimal. For more specific information about health and safety testing or our fish and wildlife impact studies, just ask your Buckman representative.

## Easy application

WSCP is easy to use. After the cooling water system is cleaned thoroughly to remove all old algal growth, microbiological slime and other deposits, the system is drained, flushed, and refilled with fresh water.

For recirculating systems, an initial slug addition of 0.9–2.2 fl oz of WSCP per 1000 gallons of water will provide a concentration of 8–20 ppm of WSCP. Dosage is repeated until control is evident. Subsequent slug additions of 0.22–2.2 fl oz of WSCP per 1000 gallons of water should be administered every 2–5 days or as needed, providing a concentration of 2–20 ppm of WSCP.

## Learn more

Gain a real advantage in the fight against microbiological fouling. Find out more about WSCP from Buckman. Contact your local Buckman representative, or visit us online at [buckman.com](http://buckman.com).

<sup>1</sup> Method – Tests performed using basal salts media inoculated with test organisms and incubated at 37°C for 18 to 20 hours at pH 7.0.

<sup>2,3</sup> Method – Tests performed using mineral salts solution inoculated with a suspension of test fungi at pH 4.5 for 14 days.

<sup>4,5</sup> Method – Tests performed using modified Bristol's Solution inoculated with test organisms. Samples were incubated at 28°C under 250 FTC intensity light for 8 hours/day for 28 days.

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Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use contrary to such directions. Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including **NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE**. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. E483H (09/18)

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