

# TowerShine™

## BIODEGRADABLE FOAMING DETERGENT - SAFELY REMOVES ORGANIC DEBRIS IN COOLING TOWERS



REMOVES DEBRIS SUCH AS DIRT, SILT, OIL & GREASE, POLLEN, COTTONWOOD SEEDS AND MORE...

### NEW! IMPROVED FORMULA



### TowerShine™

Dirty cooling towers can be a breeding ground for dangerous bacteria's, like Legionella. So keeping towers clean is an important preventative maintenance measure for your facilities overall health. TowerShine™ is a biodegradable cooling tower cleaner that incorporates robust bio dispersants and penetrating agents that break the bond of biological slimes and biofilms. TowerShine™ is an expanding foam detergent that removes debris such as dirt, silt, oil & grease, pollen, cottonwood seeds and more from cooling tower surfaces. If biological fouling is left unattended in your cooling tower it can promote microbiologically influenced corrosion within your equipment. This leads to increased maintenance costs and can potentially even cause unplanned shutdowns.

When applying TowerShine™ it is important that the tower is isolated and the pumps are off. Once the TowerShine™ has been foamed onto the tower fill and surfaces, allow a 20-30 minute dwell time. Thoroughly rinse the TowerShine™, organic and biological particulate off of all Tower surfaces. Initiate a blow-down of the tower to flush out all remaining TowerShine™ from the system. You can add Goodway Foam-Clear™ defoaming solution to the basin water to subside any foaming reaction.

### FEATURES

- **New Improved formula - with greater foaming and cleaning performance.**
- **Robust, High Powered Biodispersants to clean bacteria and biofilms off tower surfaces.**
- **Concentrated, biodegradable foaming cooling tower cleaner**
- **Cleans dirt, silt, oils, pollen, cottonwood seeds and other biological matter from cooling towers.**
- **Fast penetrating foaming action gets into hard to reach areas.**
- **TowerShine™ is specifically formulated to be applied with our TFC-200 or CC-400HF Coil Cleaner.**

### DILUTION RATES:

- Light fouling cleaning - 1 part TowerShine™ to 5 parts water.
- Medium fouling cleaning - 1 part TowerShine™ to 1 part water.
- Heavy fouling cleaning - use TowerShine™ undiluted.

TowerShine™ is available in 5 & 55 gallon containers.

(1) 5-gallon bucket of TowerShine™ will treat approximately 400 sq./ft. of light fouling.

**Please note:** TowerShine™ is not designed to remove scale deposits from cooling tower fill. For descaling cooling towers, please see our ScaleBreak-Gel product.

Apply TowerShine™ with our TFC-200 by foaming it onto tower surfaces. As TowerShine™ is applied, the thick foam penetrates biological growth and organics thus breaking their bond from hard and porous surfaces.

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# MORE GREAT SOLUTIONS FOR CLEANING TOWERS

## SCALEBREAK® -GEL - INDUSTRIAL DESCALING CHEMICAL



Goodway's ScaleBreak-Gel is a patented, innovative viscous gel formulated for descaling vertical surfaces like cooling tower fill. When used in conjunction with Goodway's TFC-200 system, ScaleBreak-Gel adheres to vertical surfaces allowing its powerful descaling properties to penetrate and dissolve water formed deposits into a liquid suspension for easy removal.

- Apply ScaleBreak-Gel with the TFC-200 and allow to sit for 60 minutes. Then just rinse away the deposits.
- The ScaleBreak-Gel will penetrate into the deposit, loosening scale, bio growth and debris so it can be flushed away.



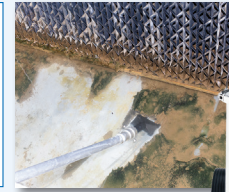
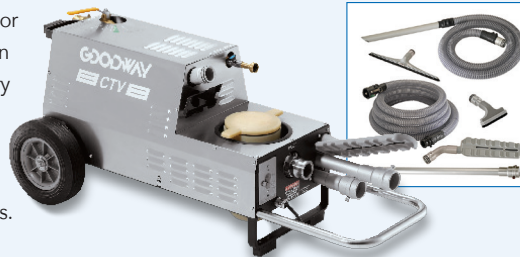
## BIOSPRAY TOWER

Even the most well-maintained cooling towers can be a breeding ground for dangerous bacteria. When you need emergency disinfection or regular maintenance, choose BioSpray® Tower. BioSpray Tower is a cooling tower cleaning solution that will disinfect hard non-porous surfaces in one simple step. Additionally, when starting up cooling towers, use BioSpray Tower as an initial disinfectant. This EPA registered disinfectant kills 99.9% of Legionella pneumophila when correctly applied to hard, nonporous surfaces like cooling towers. **Keeping your system clean will reduce the nutrients available for Legionella growth.\***

- Kills 99.9% of Legionella
- EPA registered (82972-1-83022)
- Use in tower start-up disinfection, emergency disinfection or as needed.
- 100% biodegradable surfactant
- 5-gallon container
- For use on hard, nonporous surfaces
- Use undiluted

## TOWERVAC® CTV-1501 - THE COOLING TOWER VACUUM

Safely remove cooling tower bacteria without having to drain or shut down the system. This award-winning product features an adjustable flow control that allows you to vacuum at a recovery rate of up to 60 GPM. Easily remove slime, algae, mud and other contaminants from the sides and floor of any cooling tower basin or sump. Stop dirty cooling tower water from fouling chillers, robbing efficiency and increasing energy costs.



## SCALEBREAK® DESCALERS



Goodway's line of ScaleBreak descalers will safely and quickly dissolve water formed deposits from cooling towers, evaporative condensers and fluid coolers. Each ScaleBreak formula is fortified with low foaming, wetting and penetrating agents along with corrosion inhibitors. Our ScaleBreak formulas are fast, biodegradable, economical

and efficient. Goodway Technologies blends 3 different descalers to meet the needs of our customer's applications and base metals.

During the normal process of operation, cooling towers reject heat generated from process equipment. Throughout this process hard water deposits

fall out of suspension and adhere to the tower fill or tube bundle surfaces. The deposits impede air flow in tower fill or build up an insulating barrier on evaporative condenser/fluid cooler tubes. This action ultimately results in minimization of heat transfer which correlates to decreased efficiencies and increased operating costs both in the tower and up-stream in your equipment.

By applying ScaleBreak you can keep your equipment and facility running efficiently. Goodway's ScaleBreak formulas will quickly dissolve deposits such as calcium, lime and rust into a liquid suspension allowing them to be freely removed from water passages and heat transfer surfaces. ScaleBreak descalers can be utilized while the equipment is in operation without down time. Please contact Goodway for quantities and procedural usage instructions.

**ScaleBreak is available in 5, 30, 55, 275 & 330 gallon containers.**

**GOODWAY®**  
INNOVATIVE MAINTENANCE SOLUTIONS

**Call 1-800-333-7467**

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