



# MULTI-ENZYME COOLING TOWER CLEANER

**NON-CORROSIVE FORMULATION**

## CLEANER COOLING TOWERS IMPROVE ENERGY EFFICIENCY AND REDUCE COSTS

AerisGUARD Multi-Enzyme Cooling Tower Cleaner enables the service provider to digest biofilm from the entire water circuit including chillers

## Get the Aeris Advantage!

- SAFE TO USE ▶
- ENVIRONMENTALLY FRIENDLY ▶
- HIGHLY EFFECTIVE ▶

### PRODUCT OVERVIEW

Cleans and removes biofilm, detaching it from surfaces.

The AerisGUARD™ **Multi-Enzyme Cooling Tower Cleaner** is a patented one-step cleaning product with a multi-enzymatic formulation that is designed to be the best practice application for mechanical plant maintenance of water cooling towers.

AerisGUARD™ **Multi-Enzyme Cooling Tower Cleaner** digests biofilm which is flushed from the water circuit during final rinsing.

There are many downstream positive effects on the water circuit, with the chiller and pumps suffering from reduced corrosion and the measurably improved heat exchange.

The cleaner is designed to remove biofilm from all parts of the cooling tower, in particular, the fill material, improving the performance of both key characteristics:

- **RANGE**—This is the difference between the cooling tower water inlet and outlet temperature.
- **APPROACH**—This is the difference between the cooling tower outlet cold water temperature and ambient wet bulb temperature, ensuring performance and “AS NEW” condition.

**AerisGUARD is pH neutral and provides:**

- ✓ Extended asset life of product within your system due to non-corrosive nature
- ✓ Safer for the contractor performing the work when using AerisGUARD - significantly lowers OH&S risks
- ✓ Completely biodegradable and environmentally safe
- ✓ Prevents drain lines of the unit from becoming blocked by organic debris
- ✓ Improved heat exchange efficiency of the tower as the enzyme removes the insulating biofilm that causes channeling through the fill





-  **CLEANS**
-  **PROTECTS**
-  **OPTIMIZES**

## FEATURES & BENEFITS

- A non-corrosive effective cleaning option providing extended asset life.
- Increased heat exchange has been seen on the condenser with organic debris removed.
- Eliminates the channeling of water through the fill of the water cooling tower increasing efficiencies of the system.
- The organic load can be removed from the water cooling tower fill without needing to remove it from the tower.
- Cleans and washes away inanimate organic material to prepare the surface for application of a registered disinfectant intended to kill biofilm and microorganisms.
- Environmentally friendly.
- Decreases visible scale.
- Biodegradable.

## DIRECTIONS FOR USE:

- Add AerisGUARD Multi-Enzyme Cooling Tower Cleaner mixing in water at 500:1. In larger towers, add product at several points of the CT basin. Note: Additions of the cleaning solution can result in a low level of foaming action.
- Allow to circulate for at least 10 hours for an initial clean and at least 6 hours for maintenance. Product effectiveness can depend on water temperature. Consult temperature recommendations in Instructions for Use (IFU 016) to optimize cleaning time.
- To accelerate cleaning time more product can be added. However, to halve the cleaning time, multiply the dosage rate by 4 times the initial dosage recommendation.
- At the completion of the re-circulating/cleaning cycle, treat water per local and regional codes.
- Drain as much water as possible from the cooling tower basin and pipes.
- Clean all wetted surfaces of the cooling tower using clean water spray or mechanical cleaning as required.
- Ensure all screens and strainers are checked for scale fouling and cleaned as required.
- Refill the cooling tower with water.
- For detailed instructions, visit [www.AerisEnvironmental.com](http://www.AerisEnvironmental.com) and view IFU 016.

## PREPARATION

Product Code	Description	Dilution Rate
AG-WT-5	Multi-Enzyme Cooling Tower Cleaner 5L	Makes up to 100 Litres
AG-WT-20	Multi-Enzyme Cooling Tower Cleaner 20L	Makes up to 400 Litres

