



We Care For Your Health Asset
& The Environment

Disclaimer:

Strict adherence to the Standard Operating Procedure (SOP) is required in order to obtain highest quality result(s).

Accredited Applicators Trainer & Certified by Airestec are recommended to be used. Kindly contact us for clarification.
(Only for Malaysia)

BIOACTIVE MICROORGANISM ENZYMATIC COOLING TOWER DECONTAMINATION/CLEANER (BMCTC)

- Specifically designed for cooling tower decontamination service.
- Remove the biofilms (bacteria, fungi & mould) from in-fills & substrates.
- Enhance Heat Extraction / Less Load on Chillers / Maintain Energy & System Efficiency.
- Protect Human Health, building wellness & Improve Quality of Life.
- Non-Corrosive/Non-Destructive to Aluminium, Copper, Rubber, Plastic, Wood & Paints.
- Complements ALL GREEN CERTIFIED BUILDINGS.



AIRESTEC BIOACTIVE MICROORGANISM ENZYMATIC DECONTAMINATION/CLEANER (BMCTC)

Heat extraction efficiency reduces, distorting the airflows, fouling corrosion, scaling, disrupting the water distribution are the problems that will happen once the bacteria, fungi, mould, and algae occupy the cooling tower. When excessive biofilms develop, portions eventually break loose and transport to other parts of the system, causing system failure and causing the chiller to work much harder.

Did you know about the Legionella Bacteria? It can be found at cooling towers and also the highest-profile danger to human health that can affect anybody at any time. This type of bacteria is a potentially fatal form of pneumonia.

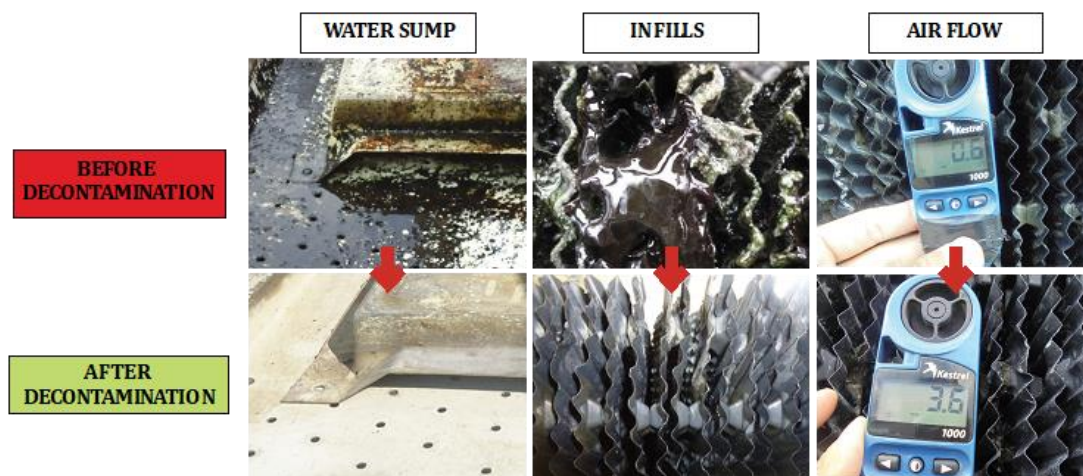
Airestec Bioactive Microorganism Cooling Tower (BMCTC) is scientifically proven to remove biofilms (bacteria, fungi and mould) from the cooling towers. When the cooling tower is free from contamination, it will improve the airflow and system performance. Nevertheless, it can prevent the spread of Legionnaire Disease. This product is proven **Readily Biodegradable** via OECD 301D test, with a degradation rate of 98% within 28 days. Therefore, upon discharge, it won't cause any harm to the environment. Besides, this product is also Bio, Eco and Green certified.

Keeping your cooling towers well operated requires regular cleaning and proper maintenance to prevent biofilms (bacteria, fungi, mould and algae) growth. Not only to make sure they work perfectly but also to prevent the spread of Legionnaire Disease.

Legionella Bacteria Count (cfu/millilitre)	Interpretation	Action
10 >	Maintenance practices may not be satisfactory	Advisory letter to rectify maintenance programme, monitor and follow-up.
100 >	Maintenance practices may not be satisfactory	Enforcement action will be taken under the Environmental Public Health (Cooling Towers and Water Fountains) Regulation 2001.
1,000 >	Serious condition	Order under Environment Public Health (Cooling Towers and Water Fountains) Regulations 2001 to shut down the system immediately, decontaminate, clean and disinfect, monitor and follow-up
10,000 ≥	Potentially hazardous situation	Enforcement action must be taken under the Environmental Public Health (Cooling Towers and Water Fountains) Regulation 2001.

Advantages

- Better Hygiene & In-Depth Cleaning
- Non-aggressive for equipment and facilities
- Cost & Time saving
- Positive impact on Environment
- Sustainability - Derived from plants & soil
- Eliminating Odour



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