



Disinfectant for evaporators, water bins, filters...

→ CARLYBIO (Anti Legionella)



The air conditioning and refrigerating systems can be contaminated by micro-organisms (bacteria, mould, algae...).

The development of these micro-organisms is mainly caused by:

- warm water (20°C to 45°C);
- nutrients in sufficient amount (for instance, the iron salts produced by corrosion);
- the accumulation of organic materials, sediments and other micro-organisms.

A large part of these micro-organisms can be dispersed in the system by water coming from a condensation or de-icing system. Thus they can damage piping, heat exchangers and other surfaces by forming bio-films.

The Legionella Pneumophila bacterium is a micro-organism that can cause severe infections to man.

The water contaminated by the Legionella presents a risk for health when it is dispersed in the air and inhaled by man.

Use biocides safely. Always read the label and product information before use.

■ Applications

- **CARLYBIO** is intended for disinfection of cooling systems - air conditioning (such as fin evaporators, condensate tanks, filters), food environment surfaces (cold rooms, commercial kitchens), and aerodynamic networks (VMC...).
- Regular use of **CARLYBIO** helps fight against the growth of bacteria, mould and prevents the formation of unpleasant odours.
- Intended for professional use.

■ Functional features

- **CARLYBIO** has the following functions:

→ Bactericide

- EN1276 - EN13697 (*Pseudomonas aeruginosa*, *Escherichia coli*, *Staphylococcus aureus*, *Enterococcus hirae*, 5-minute contact at 20°C).
- NFT72.301 (*Legionella Pneumophila*, 5-minute contact at 20°C).
- NFT72.150 - NFT72.170 (*Salmonelle*, *Listeria*, 10-minute contact at 20°C).

→ Fungicide

- EN1650 - EN13697 (*Candida Albicans*, *Aspergillus Niger*, 15-minute contact at 20°C).
- NFT72.200 (*Cladosporium*, *Absidia corymbifera*, 15-minute contact at 20°C)

CARLYBIO efficiency reports are available on request.

- The product is compatible with steel, paint, aluminium, copper and plastic surfaces (PE, PP, PVC, PTFE, PVDF...).
- **CARLYBIO** can be used in either pure or diluted form (20% maximum) on surfaces requiring disinfecting.

■ CARLY advantages

- **CARLYBIO** is a powerful bactericidal disinfectant and fungicide.
- Biodegradable, low content of VOC (Volatil Organic Compounds)
- Neutral product, non aggressive for surfaces.
- Deodorising product : citrus perfume.
- Ready to use.
- Available in 3 content forms: 500ml spray-can, 5 and 25 litre containers.



Disinfectant for evaporators, water bins, filters...

→ CARLYBIO (Anti Legionella)

■ Functional features

- Clean the surfaces to be treated with **CARLYCLEAN**, then rinse with water.
- Spray **CARLYBIO** on the surfaces of elements to be treated: Evaporator fins, condensate tanks ...
- Leave the product to work between 5 and 20 minutes for perfect disinfection.
- For surfaces in contact with foodstuff, a rinse with drinkable water is required.

■ Legislation features

- **CARLYBIO** complies with European Regulation on biocides (98/8/EC) - TP2.
- Active substance: Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (CAS 68424-85-1) - 1,8g / 100g.
- A change of colour in the solution does not affect **CARLYBIO**'s disinfectant ability.

■ Recommendations

Precautions of use - see the Safety Data Sheet

- Causes skin irritation. Causes serious eye irritation. Very toxic to aquatic life with long lasting effects.
- Wash hands and forearms thoroughly after handling.
- Avoid release to the environment.
- Wear eye protection, protective gloves.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

• If eye irritation persists: Get medical advice/attention.

• Do not swallow.

Storage conditions

- Keep the product at temperatures between + 5 °C and + 40 °C.

Frequency of use

- In order to obtain an efficient heat exchange, it is recommended to disinfect the exchangers on a monthly basis.

Waste treatment

- Dispose of contents/container to a licensed hazardous-waste disposal contractor.
- After rinsing with water, plastic packaging can be re-used, recycled or disposed of with plastic waste.
- Do not dispose into drains or the environment.

Application (CARLYBIO 500/5000/25000)

- To make the **CARLYBIO** use even easier, **CARLY** proposes a pump with a pressure of 5 L (refer to chapter 100).

■ Technical features

| CARLY references | Volume Litre | Packaging |
|------------------|--------------|-----------|
| CARLYBIO 500 | 0,50 | Atomiser |
| CARLYBIO 5000 | 5,00 | Can |
| CARLYBIO 25000 | 25,00 | Can |

■ Weights and packaging

| CARLY references | Unit weight kg | Packaging unit |
|------------------|----------------|----------------|
| CARLYBIO 500 | 0,58 | 15 |
| CARLYBIO 5000 | 5,10 | 2 |
| CARLYBIO 25000 | 26,00 | 1 |