



# 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

#### → Bactericidal

- EN 1276 (*Pseudomonas aeruginosa*, *Escherichia coli*, *Staphylococcus aureus*, *Enterococcus hirae*): 1.5% dilution in 5 minutes contact time at 20°C under dirt conditions.
- EN 13697 (*Pseudomonas aeruginosa*, *Escherichia coli*, *Staphylococcus aureus*, *Enterococcus hirae*): 2.5% dilution in 5 minutes contact time at 20°C under dirt conditions.
- EN 13697 (*Listeria monocytogenes*, *Salmonella typhimurium*, *Legionella pneumophila*): 1.5% dilution, 5 minutes contact time at 20°C in dirt conditions.

#### → Fungicide

- EN 1650 (*Aspergillus brasiliensis*, *Candida albicans*): 10% dilution, 15 minutes contact time at 20°C in dirt conditions.
- EN 13697 (*Aspergillus brasiliensis*, *Candida albicans*): 15% dilution, 15 minutes contact time at 20°C in dirt conditions

#### → Levuricidal

- EN 1650 (*Candida albicans*, *Saccharomyces cerevisiae*): 2,5% dilution in 5 minutes contact time; at 20°C in dirt conditions.
- EN 13697 (*Candida albicans*): 2.5% dilution in 5 minutes of contact time at 20°C, in dirt conditions.

#### → Virucidal

- EN 14476 (all viruses enveloped; *Vaccinia Ankara*): 5% dilution in 5 minutes contact time, in dirt conditions.
- EN 14476 (SARS-CoV-2 "COVID-19"): 5% dilution in 1 minute of contact time, in dirt conditions.

**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 bactericidal, fungicidal, levuricidal, virucidal.
- **CARLYBIO** is effective even when diluted in water with a hardness of up to 300 ppm CaCO<sub>3</sub> and in the presence of high levels of organic dirt
- **CARLYBIO** complies with the legislation relating to products used for the cleaning of materials and objects intended to come into contact with foodstuffs (decree of 19-12-2013 amending the decree of 8 September 1999). Rinsing cleaned surfaces with potable water is mandatory.
- With a neutral pH, **CARLYBIO** is non-aggressive to surfaces.
- **CARLYBIO** is deodorant: Lemon Perfume.
- 3 packages available: spray 500 ml, can 5L and 25L.



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### ■ Functional features

- Apply **CARLYBIO** directly on the surfaces to be disinfected: evaporator fins, condensate tanks, ... or any other hard surfaces and equipment.

**CARLYBIO** can be applied pure or diluted.

- **Dilution:** For treatment **against bacteria and yeast**, apply CARLYBIO at the recommended use dilution of 2.5% in tap water and allow the product to dry for 5 minutes, no rinsing is necessary for surfaces that will not come into contact with food.
- **For virucidal activity**, apply the product diluted to 5% in water and leave on for 5 minutes.
- **For fungicidal activity apply the product** diluted in tap water to 15% and leave the product for 15 min.

**CARLYBIO** can also be applied undiluted for localized disinfection of surfaces or equipment.

- **Application:** The product at its dilution of use can be applied by different means; sponge, cloth, by spraying with a sprayer or by immersion of the equipment or parts to be treated.

**CARLYBIO** can be sprayed using the 5 Liter pressure pump, PUMP 5000 (refer to chapter 100 of the catalog)

- **Frequency of use:** Repeat the operation regularly, at least once a month.

### ■ Legislation features

- **CARLYBIO** complies with the European Regulation (EU) No. 528/2012 on biocidal products (BPR)-TP2 and TP4.
- **Active substance:** 2.475 g/100g of alkyl chloride (C12-C16) dimethylbenzyl ammonium (ADBAC/BKC C12-C16). – CAS No.: 68424-85-1.
- **Type of preparation:** SL - Soluble concentrate: homogeneous liquid formulation intended to be applied after dilution in water as a true solution of the active ingredient.
- **Use:** Professional.

### ■ Recommendations

**Precautions for use:** consult the fact sheet Security data.

- **Warning - Contains:** dimethyl benzyl ammonium chloride.

Causes skin irritation. Causes severe eye irritation. Harmful to aquatic organisms, causes long-term adverse effects. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection. IN CASE OF CONTACT WITH SKIN: wash thoroughly with water. IN CASE OF CONTACT WITH EYES: rinse carefully with water for several minutes. Remove contact lenses if the victim is wearing them and if they can be easily removed. Continue rinsing. In case of skin

irritation: consult a doctor. If eye irritation persists: consult a doctor. Remove contaminated clothing and wash it before reuse. Avoid release to the environment. Dispose of the contents, container in an approved treatment center.

- **Storage conditions:** 5°C to 40°C
- **Expiry date:** 24 months from the date of manufacture.
- **Waste treatment:** Dispose of the contents, the container in an approved treatment center. Avoid release to the environment.
- **Method of processing:** must be subject to special treatment in accordance with legal requirements. Appropriate disposal operation according to the Waste

Directive 2008/EC: D10, incineration on land.

- **European Waste Nomenclature:** 16 03 00: Manufacturing wastes and unused products.
- **Used empty packaging:** The packaging must be disposed of as hazardous waste under the full responsibility of the holder of the waste. The packaging can be reused or recycled after rinsing with water.

« Use biocidal products with caution. Before use, read the label and product information. »



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### ■ 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