



Heat exchanger detergents and decontaminants

→ CARLYPRO

04/11



An efficient cleaning of heat exchanger is a priority for optimal efficiency of refrigerating and air conditioning installations, and helps extend equipment service life.

A periodic (permanent and preventive) disinfection makes it possible to prevent proliferation of micro-organisms (bacteria and mould) and formation of bad odours, while maintaining good air quality.

The association of detergent compounds and disinfectant compounds allows major savings of time, energy and labour, because only one product is used: CARLYPRO.

Suitable for products in contact with food (*compliant with order of 08/09/1999*).

■ Applications

- CARLYPRO is an alkaline detergent and disinfectant product, ready for use, intended for cleaning air condensers, evaporators and other exchange surfaces (steel, aluminium, copper, plastics...)
- CARLYPRO is a surface active formulation combining non-ionic

surface agents selected for their great cleaning efficiency, and CARLYBIO disinfection components.

- It is a non toxic and non flammable product.

■ Functional features

- CARLYPRO is compliant with the following standards:
 - Bactericide (*Pseudomonas aeruginosa*, *Staphylococcus aureus*): **NF EN 1040**
The product destroys all bacteria cells in 5 minutes at 20°C.
 - Legionella : **NF EN 1276**, under dirty condition
At 20.0 % concentration, the product is still extremely efficient : it destroys all Legionella Pneumophila cells in 15 minutes at 20°C.
 - Fungicide (*Candida Albicans*, *Aspergillus Niger*): **NF EN 1275**
The product destroys all mould spores and the vegetal cells in 5 minutes at 20°C.
- CARLYPRO efficiency reports are available upon request.

■ CARLY advantages

- CARLYPRO is compliant with the legislation on the cleaning of foodstuff containers (order of 08/09/1999). For surfaces in contact with foodstuff, a rinse with drinkable water is required..
- CARLYPRO is a powerful bactericide and fungicide detergent: it is thus unnecessary to use two different products (1 detergent + 1 disinfectant).
- Product non aggressive for the surface (steel, aluminium, copper, plastics...)
- Deodorising product.



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■ Functional features

- Le CARLYPRO is a biocide, registered by MEDDTL (French Ministry of Ecology, Sustainable Development, Transport and Housing) under the number 23607 :
 - Used in private area and public health area disinfectants and other biocidal products (usable PT2 - Directive 98/8/EC)
- Active substance: Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides - 2.4g / 100g

■ Directions for use

- Perform cleaning with CARLYCLEAN and rinse with water, if the surfaces to be treated contain too many soils.
- Spray CARLYPRO on the surfaces of the elements to be treated.
- Let the product act during at least 10 minutes for perfect cleaning and disinfection.

■ Precautions for use

- * For perfect efficiency of the detergent-disinfectant product, the surfaces to be cleaned must not contain too many soils.
- * If surfaces are too soiled, it is important to clean-up with CARLYCLEAN and to rinse with water before disinfection.
- * Do not dilute the product.
- * It is recommended wearing gloves and glasses when using the product.
- * Do not mix with acid products and anionic or chlorinated compounds.
- * Do not spray onto energized electrical equipment.
- * Do not put in contact with the eyes and the skin.
- * Wash hands after using product.
- * In case of contact with eyes, rinse copiously with water.
- * If irritation persists, see a physician.
- * Do not swallow.
- * R36/38 Irritant for eyes and skin.
- * S2 Keep away from children.
- * S24/25 Avoid excessive contact with skin and eyes.
- * S35 This material and its container must be disposed of in a safe way.
- * S37 Wear suitable gloves.
- * S46 If swallowed, seek medical advice immediately and show this container or label.
- * **Xi:** Irritant.
- * **Regulation:** For surfaces in contact with foodstuff, a rinse with drinkable water is required (Order of 08/09/1999). The enforced regulation is that of the country where the product is used.
- * **Frequency of use:** in order to obtain efficient heat exchange, it is recommended to perform a monthly cleaning and disinfecting of the exchangers.
- * **Storage conditions:** Keep the product at temperatures between +5°C and +40°C.
- * To make the CARLYPRO use even easier, CARLY proposes a pump with a pressure of 5 L , or CARLY-SPRAY (refer to chapter 100).

■ Technical features

CARLY references	Volume (Litres)	Packaging
CARLYPRO 500	0,5	Atomiser
CARLYPRO 5000	5,0	Can
CARLYPRO 25000	25,0	Can

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■ Weights and packaging

CARLY references	Unit weight (kg)	Packaging unit
CARLYPRO 500	0,56	15
CARLYPRO 5000	5,25	2
CARLYPRO 25000	26,00	1