

PURPOSES

Water present in the aero-refrigerant towers form a favourable environment for the development of micro-organisms (bacteria, algae and fungus).

In fact, all the necessary factors for rapid development of micro-organisms are pre-sent (at different degrees) :

- Natural light,
- Oxygen (mixing),
- Nutrients (air-scrubbers),
- Water temperature (often between 20°C and 30°C),
- Etc ...

The extremely rapid proliferation of living organic matter results in the appearance of sludge, deposit which disturbs the good working order of the installations (motor overheating, decreasing of thermal performance).

Moreover the presence of micro-organisms is often responsible for localised corrosion under deposit (production by their metabolism of corrosive products., ...).

Among bacteria, the most virulent and the most supervised is the legionella pneumophila.

In fact, the inhalation of micro-droplets of water contaminated by this bacteria can cause legionellose to mankind.

The decree of 14 December 2013 (relating to cooling installations by water dispersion in an air-flow subject to authorization or declaration under the heading no 2921) has for objective to limit the risk of legionellose at the source by making sure that at each installation the concentration in legionellose in the water circuit remains inferior to 1000 UFC/L.

To help respect these objectives we recommend the usage of our mixture in your installations to fight against the presence of this bacteria.

BENEFITS

Solution ready to use without prior dilution, injected proportionally to the make-up (subservient to an impulse meter) or by time regulation (injection in discontinuous).

Respect the standards of rejection if used at the recommended quantity.

Algaecides, fungicidal and bactericidal with a independent action of the pH, contrary in the most part of the oxidizing biocides as chlorine.

INJECTION

It will be done through a dosing station proportionatel to the make-up or in shock dose to a frequency wich depends on the speed of elimination of the product by blowdown (Holding Time Index).

The most judicious mode of injection (economic and technical) will be decided on site in collaboration with our technician.

Likewise, the injection will be adjusted by us according to :

- the admissible concentration rate N in the Tower sytem,
- the installation in operation,
- the quality of the make-up water,
- of the season.

Its injection point should be chosen in such a way so as to avoid :

- Stagnation of solution after injection,
- Preferential ways,

and any other point not allowing an almost complete disinfection of the system " Cooling Tower ".

HANDLING & STORAGE

It is recommended to take customary precautions while handling chemicals (gloves, glasses ...). Consult the Safety Data Sheet (SDS).

The products must be kept away from frost.

CHARACTERISTICS

Physical	Liquid
Color :	Colorless to yellowish
Odor :	Sweet
pH :	3,4



PACKAGING

it is available in 20, 210 and 800 kg, **non returnable plastic drums.**

For any other packaging please contact us.



Note : Do not mix the undiluted product with other chemical compounds without consulting us first.

The information and recommendations contained in this instruction manual are based upon our joint work with our customers and our current knowledge.

They are provided merely as an indication and do not constitute an obligation of result. Date : 30/11/2021.



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