

BIOFILMCLEANER
BIOFILM
CLEANING



Biofilm Cleaner
Tashia[®]
Chemical Freezone

**Cleaning and disinfecting
water circuits**

Its active ingredient penetrates the most ingrained dirt and eradicates it at its root in a way that causes no harm to the installation, leaving a clean and disinfected circuit to guarantee the effectiveness of the blockles through to the end of the line. It does all this without producing toxic substances or pollutants.

Eliminates 100 % of biofilm

For use in, and away from, the presence of animals

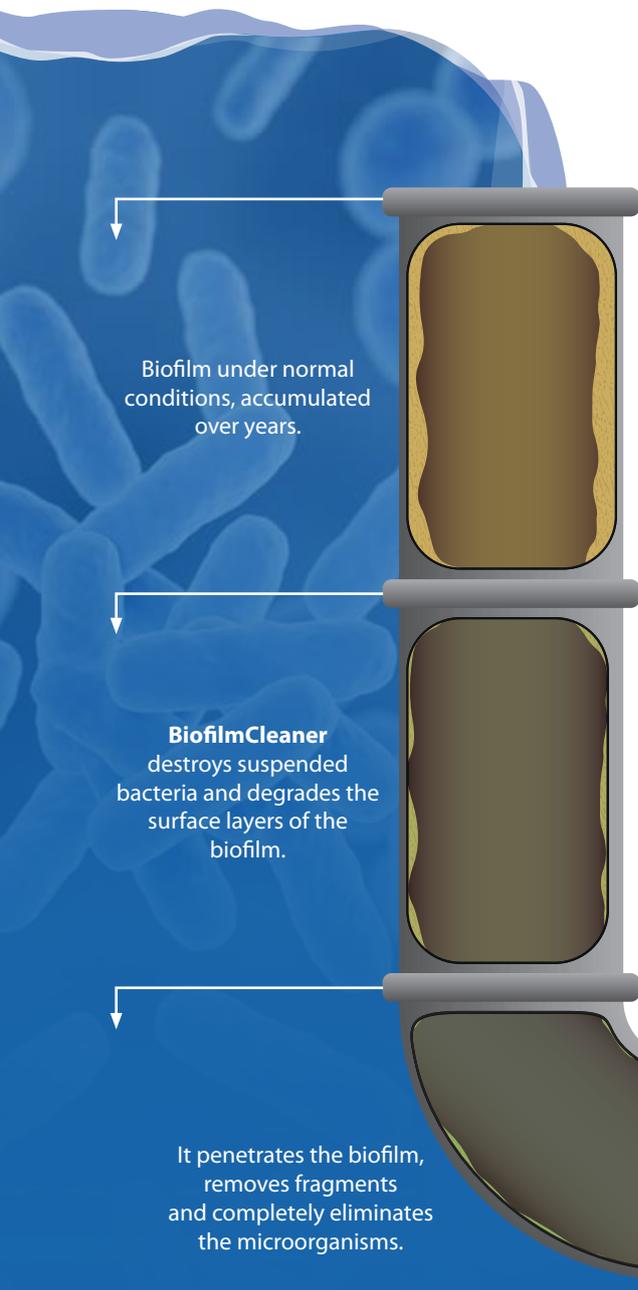
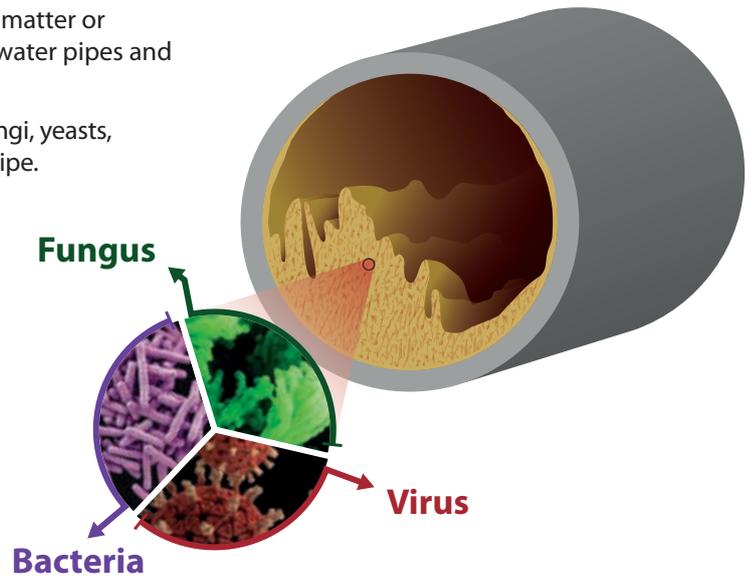


What is biofilm?

Waste from different sources, such as mineral salts, organic matter or residues from medicinal treatments, is frequently found in water pipes and tanks.

These residues encourage the growth of bacteria, viruses, fungi, yeasts, and other elements, and over time a film forms around the pipe. This is called a **biofilm**.

A **biofilm** is formed by cells attaching to the pipe walls, resulting in the formation of polymeric substances (proteins, lipids, polysaccharides, and nucleic acids) that over time will be released into the water flow. This leads to stagnation, bad odors and other issues, such as recontamination of previously disinfected water.



At **Tashia**[®], we have harnessed our many years of experience to develop this product to clean and disinfect both water tanks and distribution systems until the water reaches the animals (pipes, drinking troughs, and dosing and mixing systems).

Active ingredient

Its active ingredient penetrates the most ingrained dirt and eradicates it at its root in a way that causes no harm to the installations, leaving a clean and disinfected circuit to guarantee the effectiveness of the biocides through to the end of the line. It does all this without producing toxic substances or pollutants.



Instructions for use

It is designed to be used easily and efficiently with the usual dosing systems both in, and away from, the presence of animals.

Simply pour the contents of the **BiofilmCleaner** container into your mixture and wait for the product to take effect.

The dosage and method of use will vary according to each application, so we recommend that you follow the instructions indicated for each use and observe safety measures.

Cleaning and disinfection in the presence of animals

The recommended dosage ranges from 50 to 100 cubic centimeters for every 1,000 liters of water.



Protocol

1. After each medication or treatment, prepare a 1% solution. If applying it to the tank that has been used for treatments, rinse it beforehand to remove any residue.
2. Adjust the dosing pump between 0.5 and 1%, and dispense for a maximum of 2 days.
3. Rinse the tank, add water, adjust the dosing pump to its maximum capacity and dispense the water for a few hours.

⚠ Warning

If no medication equipment is available, clean the tank directly with the dosage recommended above.

Cleaning and disinfection away from the presence of animals

The recommended dosage ranges between 0.2 and 1 liter of product for every 1,000 liters of water.



Protocol

1. Shut off the water, drain the circuits until there is no water left and leave the circuits open.
2. Prepare a 2% dilution following the same protocol as above.
3. Adjust the dosing pump between 1 and 5%.
4. Fill the circuits, go to the end and close as the product flows out.
5. Leave the circuit filled for approximately 5 hours and then rinse with plenty of water, including the dosing system.

⚠ Warning

If no dosing equipment is available, prepare the dosage recommended above in a tank, and follow the protocol for filling and draining the pipes.



Contraindications

The product must never be used during treatment or mixing in the stock solution.

Incompatibilities

Oxidizing and alkaline agents. Do not mix with acids.

Packaging

The product is sold in containers of 22 kg.

Registration and regulations

In accordance with Regulation (EC) 1272/2008 and (EC) 1907/2006 (REACH).
Authorized for use in drinking water in accordance with Royal Decree 902/2018 and Royal Decree 3/2023.



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