

WHAT IS HYPOCHLOROUS ACID?

What it is and why it is here to stay.

What is hypochlorous acid and why does it sound too good to be true?

Imagine that there was a naturally occurring disinfectant, harmless to humans, animals and nature, that was able to kill almost all known germs without any nasties, toxic chemicals or safety warnings. Well, there is.

Hypochlorous acid is one of the most effective known biocides and is the same chemical produced by the mammalian immune system to kill invasive organisms and fight infection. It is also known as electrolysed water and is made when electricity is used to change the chemical structure of salt and water, turning it into nature's super powerful anti-microbial cleaner that is more effective than other disinfectants available.

What makes hypochlorous acid so great?

Hypochlorous acid is gentle yet incredibly powerful and can therefore be used in a wide range of settings such as healthcare environments including hospitals, care homes and dental surgeries for infection control but is also safe enough to use as a skin disinfectant for humans and animals and as a preservative in food production and for crop production.

Whether you use it as a surface disinfectant, in a fogging machine for complete infection control of people and places, as a hand sanitiser and skin disinfectant or to preserve food, hypochlorous acid leaves no harmful chemicals, fumes or residues and doesn't require any PPE to handle it.

Hypochlorous acid at a glance?

- Kills harmful bacteria (99.9999%), spores (99.9%) and viruses (99.99%) on contact
- Fast acting within 30 seconds
- pH neutral, non-irritating, non-sting (ideal for even sensitive skin)
- Non-sensitising to skin and eyes
- Alcohol free
- Anti-bacterial
- Anti-fungal
- Anti-viral
- Eliminates odours caused by bacteria
- Can also be used as a skin disinfectant and sanitiser
- Non-damaging to both hard and soft surfaces
- No PPE required
- Can be used in multiple sectors and applications from healthcare to food production.

If it's so great, then why don't we all know about it?

The simple answer is that we should know all about it. However, whilst hypochlorous acid is relatively easy to manufacture in an unstable format, it only has a very short shelf life and is therefore not suitable for many applications. As the market leaders in the science, manufacture and application of hypochlorous acid we have engineered ground-breaking technology to enable it to manufacture completely stable packaged hypochlorous acid that stays stable once opened and with a shelf life of 12 months minimum.

Hypochlorous acid has been adopted by, and is in use in, a huge number of businesses from hospitals to care homes, dental surgeries to veterinary clinics and also in some of the UK's leading food retailers. As a consumer product it still lags behind big brands but this will change over the coming years as more people look to the safety and efficacy of the products in their homes.