

CENTREGO HOCL SOLUTIONS

Hypochlorous acid (HOCl) is a highly effective broad-spectrum biocide generated from water and salt by specialist electrolysis cells. HOCl is 80 – 100 times more efficacious than hypochlorite solutions. This means it can be used at much lower concentrations than other biocides, making it very safe for humans to use. HOCl has no charge and has a relatively low molecular weight which it is ideal for penetrating cell walls where the active substance then destroys the proteins and nucleic acid of the microorganism.

The benefits of HOCl include:

High efficacy performance of >Log4 reductions and up to Log 6 (99.9999%) on bacteria, viruses (including enveloped coronaviruses such as Covid-19) fungi, yeasts, moulds and spores.

Very low salt residual in activated solutions making it ideal for misting devices as well as liquid application

Extremely fast contact times, making cleaning and disinfection highly effective and fast

Non-hazardous, non-toxic solutions – safe to use around children, the elderly and immune-compromised people.

No requirement for PPE.

No environmental impact – solutions revert back to slightly salty water on contact with organic matter

No synthetic chemicals or residues

HOCl is the ideal biocide for environments that require the highest standards of hygiene to control the transmission and spread of pathogens, including enveloped and non-enveloped viruses. Facilities such as care homes, dental surgeries, schools, nurseries and universities and health clinics where infection control is a primary responsibility require safe and rapid-acting biocides with high efficacy performance. HOCl meets all these requirements at low concentrations, killing pathogens and protecting people and the environment.

Solution Specification

Centrego HOCl solutions are supplied at:

- 500ppm FAC
- pH neutral
- ORP +850mV
- Low salt residual

Test Certificates

Test Standard	Microorganism	Use
EN 1276	Bacterial activity	Food preparation and processing, industrial, domestic and institutional areas.
EN:14476	Virus activity, including enveloped coronaviruses viruses of which Covid-19 is a strain	Medical area and in patient care, eg: medical instruments, hospitals, community medical facilities, dental institutions, and in schools, kindergartens, nursing homes, the workplace and in the home.
EN16777	Virus activity on hard surfaces, including enveloped coronaviruses viruses of which Covid-19 is a strain	Medical area and in patient care, eg: medical instruments, hospitals, community medical facilities, dental institutions, and in schools, kindergartens, nursing homes, the workplace and in the home.
EN13697	Bacterial activity on hard surfaces	Food processing and preparation, industrial, domestic and institutional areas.
EN1650	Yeast and fungal activity	Food preparation, industrial, domestic and institutional areas
EN14348	Mycobactericidal	Medical area including instrument disinfectants
EN13727	Bacterial activity	Hygienic handrub, hygienic handwash, surgical handrub, surgical handwash, instrument disinfection by immersion, and surface disinfection by wiping, spraying. For use in hospitals, community medical facilities dental institutions, schools, kindergartens and nursing homes;
EN13624	Yeast and Fungal activity	Hygienic handrub, hygienic handwash, surgical handrub, surgical handwash, instrument disinfection by immersion, and surface disinfection by wiping, spraying. For use in hospitals, community medical facilities dental institutions, schools, kindergartens and nursing homes;
EN 1656	Bacterial activity	Veterinary use
NF-T72-281	Bacterial and fungicidal activity applied in mist form	Human and veterinary health, the food industry, the industrial sector and communities.

Centrego HOCl solutions are listed with the European Chemicals Agency (ECHA) and the UK Health & Safety Executive (HSE) under Biocides Regulations Article 95, active chlorine generated by electrolysis.

Centrego HOCl Solutions are available in the following container sizes:

- 1000l IBCs
- 20l containers
- 10l containers
- 5l containers