

# PCS Hypochlorous Water

## Surface cleaning without harming

### Ready To Use Solution

Ingredients - Purified water 99.99% Hypochlorous acid less than 0.008% 80 ppm less than 0.002% sodium chloride, inorganic salts and acetic acid. Keep out of reach of children.

\* Dry Surface Biofilms are on most if not all surfaces indoors.

PCS Hypochlorous Water removes soils without harming dry surface biofilm integrity. Dry Surface Biofilms react to treatment with disinfectants and toxic cleaners by releasing microbes to the surface of the biofilm. Dry surface biofilms when not disturbed by toxic cleaners and disinfectants release very few microbes to the surface of the biofilm.

PCS Hypochlorous Water surface cleaner is not hazardous under WHIMIS and requires no use of PPP's is not corrosive to surfaces, ready to use solution has almost no detectable odour, will not stain cloths or require rinsing. Use PCS Hypochlorous Water to clean frequently touched surfaces, floors, walls, equipment, and most surfaces not damaged by water. PCS Hypochlorous Water routine surface cleaning without disinfecting to encourage dry surface biofilms to include beneficial bacterial populations.

Our Indoor Microbiome Includes Difficult to Remove Biofilms on Dry Surfaces

Biofilms can be thought of as a 'microbial village', with an identifiable infrastructure supporting a disparate mesh of bacteria, viruses, fungi, protozoa and spores embedded in exopolymeric substances (EPS) comprising 90% of biofilm.

\*Dry surface biofilms: what you need to know

A natural community of microorganisms that inhabit most if not all environments. If we stop attacking them with harsh cleaners and disinfectants biofilms can be and are a very beneficial part of our ecosystem.

#### Directions for use.

Use to clean frequently touched surfaces.

Spray on surface and wipe with PCS microfiber cloth.

To clean walls, tables, counters, and floors apply undiluted solution with a coarse trigger spray to mop or cloth and wipe surfaces of visible soil.

Storage store this product in a cool dry area away from sunlight or heat.

Degrades with age and exposure to sunlight and heat.

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).



#### Ready-to-Use

Code	Description
6080-4	(Open stock) 3.78L x 4
6080-6	946ml x 6

#### Reference

[Dry surface biofilms: what you need to know](#)

Ledwoch K, Vickery K, Maillard J-Y. Dry surface biofilms: what you need to know. Br J Hosp Med. 2022. <https://doi.org/10.12968/hmed.2022.0274>

[How Do Biofilms Affect Surface Cleaning in Hospitals?](#)

by Stephanie J. Dancer

Department of Microbiology, NHS Lanarkshire and School of Applied Sciences, Edinburgh Napier University, Edinburgh EH10 5DT, UK Hygiene 2022, 2(3), 132-135; <https://doi.org/10.3390/hygiene2030011> Received: 2 August 2022 / Revised: 16 August 2022 / Accepted: 19 August 2022 / Published: 2 September 2022

[Mayo Clinic Study 2021 H2O2 vs HOCL](#)

In Vitro Antibacterial Activity of Hydrogen Peroxide and Hypochlorous Acid, Including That Generated by Electrochemical Scaffolds. These results suggest that HOCl has similar activity against planktonic and biofilm bacteria whereas the activity of H2O2 is less against biofilm than planktonic bacteria

