

PCS Hypochlorous Water

What are PCS Hypochlorous Water products?

PCS Hypochlorous Water products are a family of surface cleaners, *Wound Cleansing solutions and surface disinfectants that contain PCS proprietary stabilized Hypochlorous Water solutions*.

We create our Hypochlorous Water by diluting PCS concentrated stabilized sodium hypochlorite disinfectant with purified water to the desired concentration of sodium hypochlorite and add dilute solution of acetic acid to the **desired pH range 6 to 8.5** creating PCS Hypochlorous Water solutions.

PCS Hypochlorous Water creates PCS proprietary hypochlorous acid formulations.

Hypochlorous acid is generated by our white blood cells. It has become one of the most popular wound cleansing solutions used in many hospitals worldwide. In fact, PCS is developing a PCS Canadian manufactured Hypochlorous Water wound cleansing solution.

Our Products:

PCS Hypochlorous Water

Surface Cleaning without Harming

PCS Hypochlorous Water Surface Cleaning Without Disturbing Dry Surface Biofilms
Our indoor Microbiome Includes Difficult to Remove Biofilms on Dry Surfaces

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

PCS Hypochlorous Water surface cleaner is not hazardous under WHIMIS and requires no use of PPE's, is not corrosive to surfaces, ready to use solution has almost no detectable odour, will not stain clothes 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.



Ready To Use Solution

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

Concentrate Dilute with 32 parts water

Code	Description
6081-6	946ml x 6
6081-2	(Closed loop) 3.78L x 4
6081-4	(Open Stock) 3.78L x 4



PCS Hypochlorous Water Wound Cleansing Solutions will soon be released.



PCS 250 Oxidizing Disinfectant/Disinfectant Cleaner

Kills bacteria, Kills Viruses, Kills Fungi

DIN: 02314843

Solution tested with PCS 250 Hypochlorous Water confirmed PCS 250 is non-irritating to eyes. We believe this is the very first chlorine disinfectant to be rated as non-irritating to eyes.

This study confirmed PCS 250 Hypochlorous Water Oxidizing Disinfectant meets EPA requirements for a category four disinfectant, meaning the label requires no cautionary symbols or warning statements.

PCS 250 PPM Hypochlorous Water disinfecting contact times for bacteria, viruses and mold are 10 minutes comparable to chlorine tablet disinfectant at 1076 ppm solution.

Requiring 10 minutes contact time for:

- Staphylococcus aureus – methicillin resistant MRSA
- Staphylococcus epidermidis
- Streptococcus pneumoniae [(ATCC 6305)]
- Escherichia coli O157:H7 [(ATCC 35150)]
- Rhinovirus [Type 14][†]
- Avian influenza A virus (H5N1)[†]
- Trichophyton

Multiple in use and laboratory studies confirmed PCS 250 Hypochlorous Water formulation efficacy when used with an Apply and Wipe technique. Ideal choice when looking for an easy to use, safe disinfectant with the least amount of residue.



PCS 1000 Plus Oxidizing Disinfectant Cleaner

Our PCS 1000 Plus Oxidizing Disinfectant Cleaner is a category 4 disinfectant meaning the formulation is so mild it requires no cautionary warning symbols on the label. It is a broad-spectrum hospital grade disinfectant and broad spectrum virucide.

DIN: 02521431

**Oxidizing Cleaner
Oxidizing Hospital Grade Disinfectant
Oxidizing Broad Spectrum Virucide**

Fast contact times for a 1000 ppm disinfectant compared to chlorine tablets at 1076 ppm solution. Requiring 10 minutes contact time for similar pathogens.

PCS 1000 Plus Oxidizing Disinfectant Cleaner

Bacteria/Virus Contact time

Staphylococcus aureus (ATCC 6538)	5 minutes
Pseudomonas aeruginosa (ATCC 15442)	5 minutes
Human Coronavirus	2 minutes
Adenovirus Type 5	3 minutes

PCS 1000 Plus Hypochlorous Water contains both Sodium Hypochlorite and Hypochlorous Acid as disinfectant active ingredients.

More effective at removing dry surface biofilms and their bacteria than most other types of disinfectants available. A safer category four disinfectant for use in most hospital critical care environments and for use during outbreaks. Contains the world's most relied upon disinfectant.



References

[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

[Three faces of biofilms: a microbial lifestyle, a nascent multicellular organism, and an incubator for diversity](#)

Anahit Penesyan 1,2,3□, Ian T. Paulsen 2,3, Staffan Kjelleberg 4,5,6 and Michael R. Gilling 1,2
 “One of the visions articulated in this article, the biofilm-centric view, refocuses our view from single cells to biofilms as the main form of microbial life.” npj Biofilms and Microbiomes (2021) 7:80 ; <https://doi.org/10.1038/s41522-021-00251-2>