

According to the National Institutes of Health (NIH), up to 80% of human bacterial infections are caused by bacterial biofilms, which are difficult to cure.



Think globally but buy local.

PROCESS CLEANING SOLUTIONS PROUDLY CANADIAN.

PCS 1000 Plus Oxidizing Disinfectant Cleaner

Active Ingredient
Sodium hypochlorite - 0.13%
Hypochlorous acid - 0.01%
Oxidizing Cleaner
Oxidizing Hospital Grade Disinfectant Oxidizing broad spectrum virucide
DIN: 02521431

PCS 1000 Plus Oxidizing Cleaning Process for removal of Dry Surface Biofilm Matrix.

- (1) Apply PCS 1000 Plus Oxidizing Disinfectant Cleaner to surface with PCS Four fold Wiper.
- (2) Wipe dry with PCS Hygienic Microfiber cloth.

BE A BIOFILM BUSTER



PCS 1000 Plus Oxidizing Cleaning Process for removal of Dry Surface Biofilm Matrix

- Apply PCS 1000 Plus undiluted to surface, wipe dry with PCS microfibre cloth.
- Single use wipes do not provide the friction needed to remove dry surface biofilms.

[How biofilm changes our understanding of cleaning and disinfection Maillard](#)

PCS 1000 Plus process, provides Oxidation and FRICTION, KEY TO REMOVING DRY SURFACE BIOFILMS.

[PCS 1000 Plus efficacy on bacteria removed from 12-day old dry surface biofilm.](#)

CONCLUSION: Under the test conditions specified in the protocol, the test substance PCS 1000 PLUS, Lot # 3108L004 met the acceptance criterion against the dry biofilm-isolated *S. aureus* and *P. aeruginosa*.

This shows the performance of the test substance against both planktonic and biofilm-related forms of the bacteria remain the same.

THINK GLOBALLY BUT BUY LOCAL. PROCESS CLEANING SOLUTIONS PROUDLY CANADIAN.



PCS 1000 Plus Oxidizing Disinfectant/Cleaner

5906-6 • 6 x 946 ml flip top lids
5906-4 • 4 x 3.78 litre

6201-6 PCS Four Fold Wipes Use to Apply PCS1000 Plus

PCS-TRG-12 Hypochlorous acid Comp sprayers 12 pkg
Use Squirt Setting Apply and Wipe Surface Dry

Now Available

PCS Hygienic Microfibre cloths use with PCS 1000 Plus to add friction to remove Biofilm Matrix

10-inch x 10 inch 18 grams per cloth • 6 x 50: 300 cs
MF300- Blue, MF300- Green, MF300 -Yellow MF300 – Pink Cost effective and durable



New Four Fold Wipes

Sodium Hypochlorite and Hypochlorous Acid compatible.
Wipes can be dispensed from bucket wet or dry.

When used to dispense dry wipes.

- Remove lid and thread first wipe from center of roll and thread through the lid and secure lid to the bucket.
- PCS recommends adding PCS 1000 Plus Oxidizing Disinfectant Cleaner to wiper.

PCS 1000 Plus Oxidizing Cleaning Process for removal of Dry Surface Biofilm Matrix.

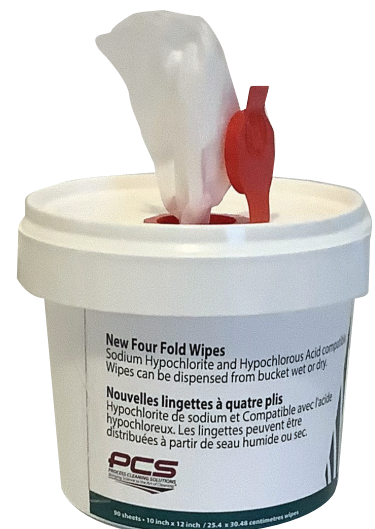
- Add 10 mls of PCS 1000 Plus to PCS Four Sided wiper.
- 1st Wipe over frequently touched surfaces adding friction and additional PCS 1000 Plus if needed.
- 2nd Wipe surfaces dry with PCS Hygienic Microfiber Cloth to remove biofilm matrix.

When used to dispense saturated wipes

1. Place workplace label on pail in the assigned area.
2. Remove lid and thread wipe from center of roll through the lid.
3. Add 946 mls of PCS 1000 Plus slowly over wipes in the bucket then secure the lid to pail.
4. Allow the liquid to saturate the wipes for a few minutes before use.

Follow PCS 1000 Plus Process for Removal of Dry Surface Biofilm Matrix.

1. Remove the wiper slowly from the bucket and wipe frequently touched surfaces to clean and oxidize organic soils.
2. Wipe surfaces with PCS Hygienic Microfiber Cloth to remove biofilm matrix.





PCS 1000 Plus Oxidizing Disinfectant Cleaner

Powerful disinfectant that is gentle on staff, surfaces and the environment.

Health Canada list of disinfectants likely to be effective against Covid 19, of the more than 700 products listed only Neutral pH PCS 1000 Plus Oxidizing Disinfectant Cleaner list sodium hypochlorite and hypochlorous acid as the active ingredients. The formulation is a very mild category four disinfectant that does not require caution or warning symbols/statements on the label.

PCS Neutral pH products are a combination of hypochlorous acid and sodium hypochlorite that oxidize organic soils, then decompose upon drying leaving no residual disinfectant on surfaces. PCS Buffered pH products form an equilibrium of hypochlorous acid and sodium hypochlorite. The sodium hypochlorite provides cleaning and stability, the hypochlorous acid provides milder solutions with increased disinfection. Sodium hypochlorite oxidizes bacteria from the outer cell surface. Hypochlorous acid penetrates through the bacterial cell wall allowing for cell oxidation to occur simultaneously from the inside and outside of the cell.

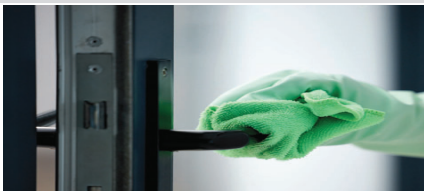
C. difficile Cleaning Process

- 1

Apply **PCS 1000 Plus Oxidizing Disinfectant Cleaner** to the surface to be decontaminated with a **PCS Four Sided Single Use Wiper** or **PCS Microfibre Cloth** or **PCS Toraysee™ Cloth**.
- 2

Wipe the surface twice in the same direction. This will remove 99.9% of *C. difficile* spores.
- 3

Wipe surface dry with PCS Hygienic Microfiber cloth to remove biofilm matrix and remaining *C. difficile* spores.



Mechanical Wiping Increases the Efficacy of Liquid Disinfectants. Adding wiping reduced the time to kill 6 logs of SARS-CoV-2 to 5 seconds from 5 minutes.

Angela Sloan, Samantha B. Karsloff and Todd Curtis
 Mechanical Wiping Increases the Efficacy of liquid Disinfectants on SARS-CoV-2
 National Microbiology Laboratory, Applied Biosafety Research Program, Safety and Environmental Services.

Public Health Agency of Canada, Winnipeg, MB

PCS 1000 Plus Oxidizing Disinfectant Cleaner

This product is a broad-spectrum virucidal hard surface disinfectant that is expected to inactivate the SARS-CoV-2 (the virus that causes COVID-19) Kills 99.99% of bacteria and viruses, Kills 99.99% of germs, Kills Staphylococcus aureus, Pseudomonas aeruginosa, Human Coronavirus, and Adenovirus Type 5 Broad Spectrum Virucide, Bactericide/Virucide and fungicide. PCS 1000 Plus pH 6.5 to 8.5 oxidizing disinfectant available in ready to use formats.

New contact times Health Canada 210 day review scheduled completion 02/06/24

DIN 02521431

	Contact Time
Oxidizing Hospital Grade Disinfectant	1 minute
Oxidizing Broad spectrum Virucide	1 minute
Oxidizing Fungicide	1 minute
Use to to remove <i>C. difficile</i> spores	
Use for discharge deep cleans of patient rooms	
Use to deep clean food preparation areas	
Use to clean during viral outbreaks	
Use to clean mold stains	

"Disinfectants, household cleaners, and bleach are meant to be used to clean surfaces." Quote from Health Canada

C. difficile spores removing activity using PCS 1000 Plus wiping with PCS Microfiber cloth and positive control Hydrogen Peroxide Disinfecting Wipe

Product	CFU/cm2			Percent	
	Control	After Wiping	Transfer	Reduction	Transfer
PCS Microfiber cloth	7.67 x10 ⁶	0	0	100*	0*
HPW	6.67 x10 ⁶	~6.67 x10 ⁵	2.50 x10 ⁵	0**	37.5

HOCL Versus H2O2 for biofilm removal

[Antibiofilm Efficiency of PCS Sodium Hypochlorite/ Hypochlorous Acid pH 6.5 to 8.5 Products.](#)

[Evaluation of the effectiveness of hydrogen-peroxide-based disinfectants on biofilms formed by Gram-negative pathogens](#)

[In Vitro Antibacterial Activity of Hydrogen Peroxide and Hypochlorous Acid, Including That Generated by Electrochemical Scaffolds](#)

[Effect of disinfectant formulation and organic soil on the efficacy of oxidizing disinfectants against biofilms](#)