PROCESS CLEANING SOLUTIONS
Bringing Science to the Art of Cleaning™

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 PCS 1000 Plus pH – neutral oxidizing disinfectants are available in ready to use or dispense on-demand formats.

PCS 1000 Plus Oxidizing Disinfectant Cleaner DIN: 02521431

- Oxidizing cleaner
- Oxidizing hospital grade disinfectant
- 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) AND OTHER ENVELOPED AND NON-ENVELOPED VIRUSES
- Active Ingredient
  Sodium Hypochlorite - 0.13% w/w when packed
  Hypochlorous Acid - 0.01% w/w when packed
- Color/Form Colorless, liquid
- pH 6.5 - 8.5
- Ready-to-use solution
- Scent Characteristic of ingredients slight bleach sent
- Shelf Life 1 year
- PCS 1000 Plus Oxidizing Disinfectant Cleaner for use on hard non-porous environmental surfaces in domestic, health care facilities, institutions, schools and hospitality industries

Contact Time Broad Spectrum Virucide and Hospital Disinfecting

Human Coronavirus	2 minutes
Adenovirus Type 5	3 minutes
Staphylococcus aureus	5 minutes
Pseudomonas aeruginosa	5 minutes

***PCS is in the process or has submitted to Health Canada a Request for additional claims - Click to Review**

Spray disinfecting	
Adenovirus Type 5	1 minute
Staphylococcus aureus	1 minute
Pseudomonas aeruginosa	1 minute
Trichophyton interdigitale	1 minute

We create our Hypochlorous Water by diluting PCS concentrated stabilized sodium hypochlorite disinfectant with water to the desired concentration of sodium hypochlorite and add dilute solution of acetic acid to the desired pH range 6.5 to 8.5 creating PCS Hypochlorous Acid.

"At environmental pH values (6.5-8.5) half of the hypochlorite is in the undissociated form of hypochlorous acid and half is dissociated to the hypochlorite anion. Only the hypochlorous acid fraction is volatile"

ECHA
EUROPEAN CHEMICALS AGENCY

PCS 1000 Plus Oxidizing Disinfectant Cleaner Concentrate - DIN: 02521504

Hypochlorous acid has emerged as a potential alternative to conventional antibiotics due to its broad-spectrum antimicrobial activity. This review aims to provide an overview of the use of hypochlorous acid (HOCl) as an antibiotic agent.

NTERNATIONAL JOURNAL OF CLINICAL MICROBIOLOGY AND BIOCHEMICAL TECHNOLOGY
Published: March 30, 2023
Maher M Akl. Department of Chemistry, Faculty of Science, Mansoura University, 35516, Mansoura, Egypt

Conclusion - Hypochlorous acid (HOCl) has emerged as a promising broad-spectrum antimicrobial agent that has the potential to revolutionize the treatment of infectious diseases

Antimicrobial efficacy, mode of action and in vivo use of hypochlorous acid (HOCl) for prevention or therapeutic support of infections

Abstract - The objective is to provide a comprehensive overview of the rapidly developing field of the current state of research on in vivo use of hypochlorous acid (HOCl) to aid infection prevention and control GMS Hygiene and Infection Control 2023, Vol. 18, ISSN 2196-5226

Conclusions - Historically, carefully controlled HOCl manufacturing methods were costly, which impeded the acceptance and use of HOCl products. However, now that HOCl is available in well-defined, reliable, and economically attractive forms in industrial volumes, the superiority of its performance in disinfection, antisepsis, and wound care argues for its deployment on a much wider scale worldwide [21].