



Process Cleaning Solutions Ltd. is a Canadian company devoted to cleaning in such a way as to:

- Protect Public Health
- Protect The Most Sensitive Among Us
- Protect The Environment
- Prevent The Spread Of Antibiotic Resistant Bacteria

THE PCS APPROACH TO DISINFECTION CLEANING AT PCS WE:

- CLEAN WITH SAFER CLEANING PRODUCTS
- USE A VALIDATED CLEANING PROCESS
- RESTRICT THE APPLICATION OF DISINFECTANTS TO PRE CLEANED SURFACES AND ONLY WHERE REQUIRED

UNDER THIS APPROACH OUR HOSPITALS, SCHOOLS, INSTITUTIONS AND PUBLIC FACILITIES ARE CLEANER, SAFER AND SLOWER TO PROMOTE THE EVOLUTION OF RESISTANT MICROBES AND QUITE SIMPLY, HEALTHIER PLACES.

Generic Sodium Hypochlorite commonly referred to as household bleach is also sold as hospital and institutional generic disinfectants with Health Canada registrations which have a DIN number/drug registration number assigned.

In Canada, many institutions feel that there is a legal requirement to use disinfectants on environmental surfaces that have Health Canada DIN registration.

What is the difference in household bleach and generic Health Canada DIN registered bleach?

Household bleach/generic bleach is widely accepted by Public Health Officials for many applications such as sanitization and disinfection of environmental surfaces including Norovirus, C difficile and CJD Creutzfeldt-Jakob Disease.

Public Health Officials normally make a recommendation based on a dilution of household bleach such as one tablespoon and 4 liters of water equals 200 ppm hypochlorite, 1 part bleach and 10 parts water equals 5,000 ppm, 1 part bleach and 50 parts water equals 1,000 ppm and different concentrations for a wide variety of applications to protect public health.

200 ppm is the recommendation for food contact surfaces, 1,000 ppm to 5,000 ppm for control of Norovirus and C difficile and 20,000 ppm is recommended by Canada's Public Health Agency for CJD contaminated instruments.

Health Canada's Hard Surface Disinfectant Category IV monograph for generic registration of Sodium Hypochlorite for use in health care facilities as well as commercial and institutional use allows Public Health Officials to recommend use of Hypochlorite's at various concentrations and suppliers to register products containing various concentrations of Hypochlorite all of which can be Health Canada registered as environmental surface disinfectants for use in health care facilities.

Products assigned a drug identification number DIN for use on environmental surfaces in health care facilities satisfy the legal requirements for use of a Federally approved disinfectant on environmental surfaces in Canada.

Registered products under the monograph can not make claims exceeding that which is approved on the final label for use on hard environmental surfaces in health care and other commercial establishments.

Process Cleaning Solutions has a variety of Health Canada approved hypochlorite products for use on environmental surfaces in health care facilities, all of which meet the legal requirements of health care facilities to use Health Canada registered disinfectants on environmental surfaces.

Health Canada's monograph for generic environmental surface disinfectants and expedited review require:

- **10 minute contact time for disinfection**
- **Efficacy on Staphylococcus, Salmonella and Pseudomonas**
- **Inert ingredients must not interfere with the efficacy of formulation**
- **Registrants are not allowed to publish data on specific pathogens which exceed the registration as health care environmental surface disinfectants.**

Competitive products making specific microbial claims on bacteria, general viruses and spore claims with shorter contact times, in some cases they are not better choices for use on environmental surfaces than registered generic hypochlorites?

Hospital grade environmental surface disinfectants in the United States are under review by the EPA many of the existing registered products have failed the agency retesting program.

Visit processcleaningsolutions.com click under downloads or Ctrl and click

[#26 Antimicrobial Testing Program | Pesticides | US EPA](#)

Hospital grade disinfectants making virus claims on norovirus in some cases with short contact times. Many such claims are based on a surrogate feline calicivirus (FCV) which has demonstrated physiological properties such as greater acid sensitivity that differ from human Norovirus.

The CDC recommends use of household bleach due to the uncertainty of registered products on human Norovirus.

Visit processcleaningsolutions.com click under "downloads" scroll down to Norovirus update or Ctrl and click.

[March 4th 2011 CDC update norovirus](#)

[Health Canada Noroviruses February 2010](#)

[Bleach versus Accelerated Hydrogen Peroxide for Clostridium difficile and Norovirus Disinfection](#)

[Efficacy of Common Disinfectant/Cleaning Agents in Inactivating Murine Norovirus](#)

[In Vivo Comparison of Two Human Norovirus Surrogates for Testing Ethanol-Based Handrubs: The Mouse Chasing the Cat!](#)

Using a PCS generic hospital grade disinfectant/disinfectant cleaner offers many benefits:

Formulations are reviewed by Health Canada.

Lower concentrations of hypochlorite in concentrates and ready to use formulations which are safer, not corrosive to skin and eyes, easy to use and simplify consistent application of Hypochlorite's to environmental surfaces.

Manufactured and packaged in a process that maximizes shelf life. All liquid formulations are stable for 24 months from date of manufacture: one full year over many concentrated household bleach products. PCS premoistened wipes are stable for twelve months.

All PCS disinfectant/disinfectant cleaner label instructions for use comply with PIDAC best practices.

Many PCS products registered use concentration match many Public Health recommendations for use of household bleach.

All PCS Hypochlorite disinfectants are manufactured in Canada in an ISO 9001:2000 certified facility and are all validated to use no Hypochlorite's manufactured with the mercury cell process.

PCS Hypochlorite's and PCS cleaning processes validated by ATP monitoring or microbial testing provides solid evidence of improved environmental surface decontamination.



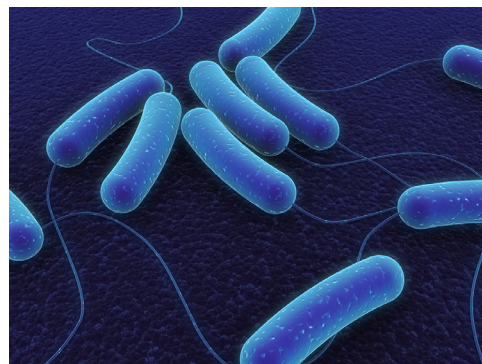
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