

Coronavirus COVID-19

BC Centre for Disease Control | BC Ministry of Health

CLEANING AND DISINFECTANTS FOR PUBLIC SETTINGS

Good cleaning and disinfection are essential to prevent the spread of COVID-19 in BC.

This document provides advice to public groups, transit, schools, universities, child care and other institutions in BC on cleaning for non-health care settings.

Make sure to wash hands with plain soap and water after cleaning or use an alcohol-based hand sanitizer.



OR



Cleaning: the physical removal of visible soiling (e.g. dust, soil, blood, mucus). Cleaning removes, rather than kills, viruses and bacteria. It is done with water, detergents, and steady friction from cleaning cloth.

Disinfection: the killing of viruses and bacteria. A disinfectant is only applied to objects; never on the human body.

All visibly soiled surfaces should be cleaned before disinfection.

Cleaning for the COVID-19 virus is the same as for other common viruses.

Cleaning products and disinfectants that are regularly used in households are strong enough to deactivate coronaviruses and prevent their spread.

Recommendations:

- General cleaning and disinfecting of surfaces should occur at least once a day.
- Clean and disinfect highly touched surfaces at least twice a day and when visibly dirty (e.g. door knobs, light switches, cupboard handles, grab bars, hand rails, tables, phones, bathrooms, keyboards).
- Remove items that cannot be easily cleaned (e.g. plush toys).

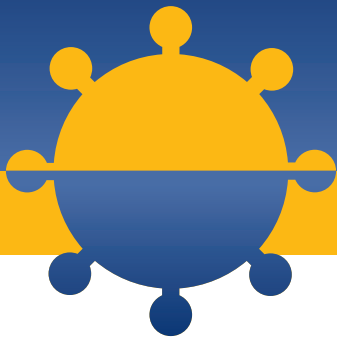
Cleaning

For cleaning, water and detergent (e.g. liquid dishwashing soap), or common, commercially available cleaning wipes should be used, along with good physical cleaning practices (i.e. using strong action on surfaces).

Disinfection

For disinfection, common, commercially available disinfectants such as ready-to-use disinfecting wipes and pre-made solutions (no dilution needed) can be used. Use the figure and table below for guidance. Always follow the manufacturer's instructions printed on the bottle.





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See Health Canada's **List of hard-surface disinfectants for use against coronavirus (COVID-19)** for specific brands and disinfectant products.

IMPORTANT NOTES:

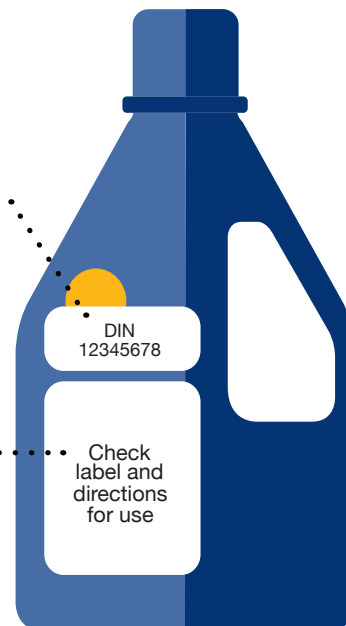
- Ensure disinfectant product has a Drug Identification Number (DIN) on its label.
- Follow product instructions for dilution, contact time and safe use.
- All visibly dirty surfaces should be cleaned **BEFORE** disinfecting (unless otherwise stated on the product).

Drug Identification Number (DIN):

A DIN is an 8-digit number given by Health Canada that confirms it is approved for use in Canada.

Agents effective against coronavirus:

- Bleach: sodium hypochlorite (5.25%)
- Hydrogen peroxide (0.5%)
- Alkyl dimethyl benzyl ammonium chlorides (QUATs)



List of disinfecting agents and their working concentrations known to be effective against coronaviruses^{1,2}:

Agent and concentration	Uses
1. 1:100 dilution Chlorine: household bleach – sodium hypochlorite (5.25%)* 10 ml bleach to 990 ml water	Used for disinfecting surfaces (e.g. hand railings, grab handles, door knobs, cupboard handles). Make fresh daily and allow surface to air dry naturally.
2. 1:50 dilution Chlorine: household bleach - sodium hypochlorite (5.25%)* 20 ml bleach to 980 ml water	Used for disinfecting surfaces contaminated with bodily fluids and waste like vomit, diarrhea, mucus, or feces (after cleaning with soap and water first). Make fresh daily and allow surface to air dry naturally.
3. Hydrogen Peroxide 0.5% Do not dilute your own.	Used for cleaning and disinfecting surfaces (e.g. counters, hand rails, door knobs).
4. Quaternary Ammonium Compounds (QUATs): noted as 'alkyl dimethyl benzyl ammonium chlorides' on the product label Do not dilute your own.	Used for disinfecting surfaces (e.g. floors, walls, furnishings).

¹ Dellanno, Christine, Quinn Vega, and Diane Boesenberg. "The antiviral action of common household disinfectants and antiseptics against murine hepatitis virus, a potential surrogate for SARS coronavirus." *American journal of infection control* 37.8 (2009): 649-652.

² Provincial Infection Prevention Control Network of British Columbia. "Infection Prevention and Control Guidelines for Providing Healthcare to Clients Living in the Community." (2014). https://www.picnet.ca/wp-content/uploads/PICNet_Home_and_Community_Care_Guidelines_2014_.pdf

The BC Ministry of Health does not endorse or promote any specific brands of disinfectant products.

