



Cleaning and disinfection in a day nursery

Preparing a Disinfecting Solution for Day Nurseries*

Note: Food contact surfaces in kitchens must be disinfected as per Food Premise Regulation, RRO.562/90.

SURFACE TO BE SANITIZED
Non-food surfaces: this includes chairs, tables, counter tops, toys, etc. This also includes diaper change area**
SODIUM HYPOCHLORITE (BLEACH SOLUTION)
200 ppm (5.25 % household bleach) 5mL bleach: 1 L water (1 tsp bleach: 4 cups water) Wipe area and let air dry. Use chlorine test strips.
QUATERNARY AMMONIUM COMPOUNDS
400 ppm. Follow manufactures instructions for dilution. Wipe area and let air dry. Use quaternary ammonium test strips.

* Other disinfectants may be used. Consult with the health unit.

** A separate sanitizing solution should be stored in the diapering area to be used **only** for diapering.

During outbreaks, the concentration of sanitizing solution may need to be increased.

Preparing a High Level Disinfection Solution

To be used for cleaning up blood spills and vomit/fecal accidents

There are many high level disinfection alternatives to bleach, please consult your local public health inspector.

BLEACH: WATER
100 mL bleach: 1 L of water (1 cup of bleach: 9 cups of water). Contact time on surface is 10 minutes

Definitions

Clean:

The physical removal of foreign material (soil, dust) and organic material such as blood, secretions, excretions and micro-organisms (bacteria, viruses etc.). Cleaning generally removes rather than kills and reduces or eliminates potential pathogenic organisms. Therefore, disinfection is necessary in a childcare setting.

Disinfect:

The process that kills or destroys most disease-producing micro-organisms and viruses. Disinfection can occur with chemicals or hot water (82°C for 45 seconds). Chemical disinfectants are classified as high level, intermediate level, and low level.

Childcare centres should only use disinfectants that are registered with Health Canada and have a Drug Identification Number (DIN). All chemical disinfectants should have accompanying Material Safety Data Sheets (MSDS) and product information sheets that staff should reference.

To ensure sufficient chemical strength: prepare fresh disinfecting solutions **daily** (unless otherwise specified on product label) and provide appropriate chemical **test strips** to verify strength.

Call the Communicable Disease Team:

(705) 721-7520 ext. 8809



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