

# Surface Disinfection with Chlorine (Bleach)

Fact sheet for operators of facilities such as  
child care centres and personal service settings



Disinfection is the process of destroying germs on surfaces and objects.

**Note:** For solutions greater than 200 ppm chlorine, a potable water rinse must be used following disinfection

## Steps to follow:

1. Clean the area to be disinfected with soap and water then allow to dry
2. Wet the affected area with bleach solution and ensure the area remains wet for the required contact time

## Reminders:

- Prepare fresh solutions daily—add bleach to water. Solutions are based on the use of 5.25% bleach (sodium hypochlorite).
- To prepare other concentrations of bleach please use the [chlorine dilution calculator](#) provided by Public Health Ontario

<i>When to disinfect</i>	<i>Concentration</i>	<i>Recipe</i>	<i>Contact time*</i>	<i>Surfaces to disinfect</i>
<i>Everyday use—no rinse</i>	200ppm	Add 1 teaspoon (5 millilitres) of bleach to 4 cups (1 litre) of water	2 minutes	Food contact surfaces
<i>Everyday use – rinse required</i>	1000ppm	Add 4 teaspoons (20 millilitres) of bleach to 4 cups (1 litre) of water	5 minutes	Chairs Tables Countertops Door handles Bathroom surfaces Light switches Toys Diaper change tables Cots Sensory bins Shelving Vinyl covers Play mats
<i>Blood/Body Fluids/ Outbreak—rinse required</i>	5000ppm	Add 20 teaspoons (100 milliliters) of bleach to 4 cups (1 litre) of water	10 minutes	Affected area/All surfaces