

# How to Mix an Approved Sanitizing Solution

Sanitizing reduces the number of microorganisms on surfaces to levels considered safe. Chemicals can sanitize dishes and other food contact surfaces such as cutting boards, knives, cooking utensils, and counter tops.

Things you need to mix a chlorine sanitizer solution using bleach:

1. Ordinary household bleach. Do **NOT** use bleach with fibre guard or fresh scent.
2. Teaspoon or tablespoon
3. Spray bottle or bucket labelled **Sanitizer**

Mix according to directions provided below. If you do not use household bleach, commercial chlorine solutions, quaternary ammonia solutions or iodine solutions may be used at solution strength listed below. Always follow the manufacturer's instructions.

Sanitizer	How to Mix	Solution Strength
Chlorine Solution using household bleach	<ul style="list-style-type: none"><li>• Mix ½ to one teaspoon (2 to 5 mL) bleach into 1 litre water</li><li>• Mix one to two tablespoons (½ - 1 ounce) bleach into 1 gallon water</li></ul>	100—200 ppm (200 ppm may be used for sanitizing surfaces in-place)
Commercial Chlorine Solution	Follow manufacturer's instructions	
Quaternary Ammonia Solution (QUATS)	Follow manufacturer's instructions	200 ppm
Iodine Solution	Follow manufacturer's instructions	Between 12.5ppm - 25 ppm

Tips to Remember:

- **Do not mix bleach with soap.**
- Use test strips to check the strength of the sanitizing solution.
- Replace sanitizing solution when solution strength is less than the required strength. Solution strength will weaken over time.

For more information, please contact your nearest Environmental Public Health office.

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