

Sanitizing and Disinfecting Solution Preparation Instructions

The following instructions are for the preparation of the "Sanitizing Solution" and "Disinfecting Solution" as prescribed by the North Carolina Department of Environment and Natural Resources 15A NCAC 18A .2800 – Sanitation of Childcare Centers. This is not a substitute for official rules and regulations; this document is only to assist you with solution preparation. Please contact your local health authority for official rules and regulations.



"Disinfecting Solution" means a solution containing 500 to 800 parts per million (ppm) of chlorine made by mixing one-quarter cup (2 fluid ounces) household liquid chlorine bleach* with one gallon of tap water and prepared fresh daily.



A. MAKE YOUR DISINFECTING SOLUTION

- Step 1: Fill a clean container (>1 gallon) with 1 gallon of tap water.
 Step 2: Using supplied one-quarter cup, add ¼ cup (2 fluid ounces) of household bleach* to tap water in container.
 Step 3: Stir solution well with plastic stirrer to mix (do not use wood).

B. TEST YOUR DISINFECTING SOLUTION

- Step 1: Remove 1 test strip from Free Chlorine Check Ultra High II bottle and set in a dry place, replace cap on bottle and tighten. Keep the test strip away from water until ready to test.
 Step 2: Dip test strip into Disinfecting Solution sample for 1 full second.
 Step 3: Remove strip from sample and shake the strip briskly to remove excess sample (a trashcan is recommended).

Caution drops of Disinfecting Solution can bleach fabric and may cause skin and eye irritation.

- Step 4: After 1 minute match the test pad to the closest color on the bottle color chart within the next 15 seconds. Results will show parts per million (ppm) concentration of Free Chlorine. If the test pad color falls between 500 and 800 ppm your solution is acceptable.

Some areas that require use of "Disinfecting Solution" (but not limited to):

- Toilet fixtures
- Potty Chairs
- Lavatories including hand wash lavatories
- Diaper changing stations (after each use)



“**Sanitizing Solution**” means a solution containing 50 to 200 parts per million (ppm) of chlorine made by mixing a tablespoon of liquid household chlorine bleach* with one gallon of water and prepared fresh daily.



A. MAKE YOUR SANITIZING SOLUTION

- Step 1: Fill a clean container (>1 gallon) with 1 gallon of tap water.
- Step 2: Using supplied tablespoon, add one tablespoon of household bleach* to tap water in container.
- Step 3: Stir solution well with plastic stirrer to mix (do not use wood).

B. TEST YOUR SANITIZING SOLUTION

- Step 1: Remove 1 test strip from Free Chlorine Check Ultra High II bottle and set in a dry place, replace cap on bottle and tighten. Keep the test strip away from water until ready to test.
- Step 2: Dip 1 test strip into Sanitizing Solution sample for 1 full second.
- Step 3: Remove strip from sample and shake the strip briskly to remove excess sample (a trashcan is recommended).

Caution drops of Sanitizing Solution can bleach fabric and may cause skin and eye irritation.

- Step 4: After 1 minute match the test pad to the closest color on the bottle color chart within the next 15 seconds. Results will show parts per million (ppm) concentration of Free Chlorine. If the test pad color falls between 50 and 200 ppm your solution is acceptable.

Some areas that require use of “**Sanitizing Solution**” (but not limited to):

- Toys, equipment, and furniture
- Food contact surfaces of equipment and utensils
- Sanitizer immersion baths
- Bed mats and cots
- Mouth-contact surfaces and equipment (in non-toilet trained child areas)
- Water play centers

*“Household bleach” means bleach sold in concentrations that are intended for household use, and not industrial applications. Household bleach is sold in retail stores at strengths of 5.25% hypochlorite (regular strength bleach) solution and 6.00% hypochlorite (ultra strength bleach) solution.