



MECKLENBURG COUNTY Health Department

HOW TO MIX A 100 PPM CHLORINE SANITIZING SOLUTION

This page tells you how to mix, use, and store a solution required for sanitizing diaper changing and other areas in child cares. This solution does not replace the need to clean the surface with soap and water, but is an additional step to further reduce the chance of spreading an illness from one child to another. For consistency in mixing and ease of use, the solution should be mixed in a 1 quart, spray type container.

HOW TO MIX THE SOLUTION

- Label a clean 1 quart container "Chlorine Sanitizer" with a permanent marker.
- Add 1 capful of liquid chlorine bleach (such as Clorox) to the container.
- Place the cap on the container and shake it well.
- Some of the bleach will cling to the container wall. Remove the cap from the container and discard the bleach that does not cling to the wall.
- Fill the container to about 1 inch from the top with tap water and shake it well.

HOW TO TEST THE SOLUTION

- Remove the top from the container
- Dip a chlorine test strip into the solution. The strip should turn blue.
- Compare the strip against the color chart that came with the test kit to determine the ppm (parts per million) of chlorine in the solution.
- You will need to check the solution daily because the chlorine level will decrease over time.
- Clean the bottle and mix a new solution when the concentration drops below 100 ppm.

HOW TO USE THE SOLUTION

- To work properly, surfaces (such as diaper change tables, diaper pails, toilet seats, faucet handles, sinks, etc.) must be cleaned with soap or detergent and water first.
- The solution should then be sprayed to completely wet the surface.
- The surface should be allowed to completely air dry before being used again; however, diaper change tables or other surfaces need to be dry prior to using them again even if it means drying them with a paper towel or cloth. If this is the case, allow the solution to remain at least 2 minutes before drying it with a paper towel or cloth. This allows the time needed to kill the germs that can spread infections.

SAFETY PRECAUTIONS

- **Use and store this solution with caution as it could hurt a child or adult if they drink it or it is sprayed into their eyes. It must be stored out of the reach of children when not in actual use.**
- Spray or splash to the skin should be washed off with soap and water.
- If someone drinks the solution, or it splashes into their eyes, you should contact a Poison Control Information Center right away. You can reach the Carolinas Poison Control Center at Carolinas Medical Center in Charlotte at 355-4000.

If you have questions about the information on this page, please contact your Health Department Environmental Health Specialist at (704) 336-5101.