



MECKLENBURG COUNTY

Health Department

Chlorine Sanitizer and Disinfectant Preparation and Use Guide

WHAT BLEACH PRODUCT SHOULD I USE?

- **Very Important! Only use a bleach product that lists the total amount (%) of sodium hypochlorite present in the container**
- **Avoid scented and splash less bleach products**
- **Avoid using containers of bleach that are more than 6 months old**

Active Ingredient:	
Sodium Hypochlorite	6.0%
Other Ingredients:	94.0%
Total:	100.0%

HOW TO MIX THE SOLUTIONS

1. Label your quart spray bottles with the type of bleach solution you plan to place in the bottle.
Example: If the bleach and water solution will be between 50 ppm and 200 ppm, label the bottle with the word "Sanitizer". Or, if the bleach and water solution will be between 500 ppm and 800 ppm, label the bottle with the word "Disinfectant"
2. Next determine if you want to make the disinfectant or sanitizer in a gallon batch or 1-quart spray bottle at a time.
3. Using the chart on page 2, mix your product using a correct food measuring device. For example, a tablespoon used to consume food is not same as a tablespoon used to measure food.
4. Remember! Chlorine solutions must be prepared fresh at the beginning of each business day.

HOW TO TEST THE SOLUTION

- **Follow the instructions on your test strips**
- Sanitizer test strips must show a chlorine test range between 50 – 200 ppm. Disinfectant test strips will must have a test range between 500 and 800 ppm
- You will need to check the solution throughout the day because the chlorine level will decrease over time. Especially if the solution is kept in direct sun light.

SAFETY PRECAUTIONS

- **Use and store this solution 5 Ft above the floor (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.**



If your bleach product states that it contains <u>5.25 %</u> Sodium hypochlorite, use the following formulas				
APPLICATION	Bleach Per Gallon of Water	Bleach Per Quart of Water	Bleach (Free Chlorine) Concentration	Required Labeling on Spray Bottles
Disinfecting Strength - Diapering areas, Toilets, Sinks, and surfaces contaminated with bodily secretions/excretions	¼ Cup	1 Tablespoon	500-800 ppm	Disinfectant
Sanitizing Strength - Food contact surfaces and toys	1 Tablespoon	¾ Teaspoon	50-200 ppm	Sanitizer
If your bleach product states that it contains <u>6.00 %</u> Sodium hypochlorite, use the following formulas				
APPLICATION	Bleach Per Gallon of Water	Bleach Per Quart of Water	Bleach (Free Chlorine) Concentration	Required Labeling on Spray Bottles
Disinfecting Strength - Diapering areas, Toilets, Sinks, and surfaces contaminated with bodily secretions/excretions	3 ½ Tablespoons or 10 ½ Teaspoons	2 ½ Teaspoons	500-800 ppm	Disinfectant
Sanitizing Strength - Food contact surfaces and toys	2 ½ Teaspoons	¾ Teaspoon	50-200 ppm	Sanitizer
If your bleach product states that it contains <u>8.25 %</u> Sodium hypochlorite, use the following formulas				
APPLICATION	Bleach Per Gallon of Water	Bleach Per Quart of Water	Bleach (Free Chlorine) Concentration	Required Labeling on Spray Bottles
Disinfecting Strength - Diapering areas, Toilets, Sinks, and surfaces contaminated with bodily secretions/excretions	2 ½ Tablespoons or 7 ½ teaspoons	2 Teaspoons	500-800 ppm	Disinfectant
Sanitizing Strength - Food contact surfaces and toys	2 Teaspoons	½ Teaspoon	50-200 ppm	Sanitizer

The formulas present in the table are only recommendations and are not a substitution for testing solutions with the appropriate test strips.

Questions? Call 980-314-1620