



Bleach Sanitizing and Disinfection Solution Preparation Instructions

A fresh solution of sanitizer and disinfectant is required daily when bleach is used as the method for sanitizing and disinfecting. Bleach containing thickeners to prevent splash or fragrance is not recommended. This chart is provided to reflect the mixing of the various strengths of household bleach solutions.

BLEACH SOLUTION MIXING GUIDELINE

Concentration (%) of sodium hypochlorite may be found on the bleach container label

APPLICATION	Bleach per Gallon of Water	Bleach per Quart of Water	Bleach (Free Chlorine Concentration)	Recommended Labeling
5.25% Sodium Hypochlorite				
Disinfecting Strength	¼ Cup	1 Tablespoon	500-800 ppm	Disinfectant
Sanitizing Strength	1 Tablespoon	¾ Teaspoon	50-200 ppm	Sanitizer
6.00 % Sodium Hypochlorite				
Disinfecting Strength	3 ½ Tablespoons	2 ½ Teaspoons	500-800 ppm	Disinfectant
Sanitizing Strength	2 ½ Teaspoons	½ Teaspoon	50-200 ppm	Sanitizer
8.25% Sodium Hypochlorite				
Disinfecting Strength	2 ½ Tablespoons	2 Teaspoons	500-800 ppm	Disinfectant
Sanitizing Strength	2 Teaspoons	½ Teaspoon	50-200 ppm	Sanitizer

Note: Always test solutions after mixing to assure that the proper concentrations are achieved for the prescribed application.

REFERENCES:

2014 National Resource Center for Health and Safety in Child Care Early Education Industrial Test Systems, Inc.

Rules Governing the Sanitation of Child Care Centers 15A NCAC 18A .2800

NOTE: Position statements are policy documents to clarify how to interpret or enforce a law or rule. They are not enforceable on their own but are intended to promote uniform interpretation and enforcement of the underlying law or rule. Updated 1/3/2020.