



Liquid Bleach Mixing Guidance - Revised 1.3.20

QUESTION:

Do the mixing specifications as directed in rules .2801(7) and .2801(22) apply to all household liquid chlorine bleach concentrations, such as the 8.25% sodium hypochlorite solution?



ANSWER: No

DISCUSSION AND RATIONALE:

The concentrations of chlorine in readily available household bleach have changed. Currently, one of the most commonly available bleach solutions is **8.25% sodium hypochlorite solution**. It should be noted that mixing instructions provided in the child care sanitation rules were based on bleach concentrations of 5.25% and 6% of sodium hypochlorite solution. Because of varying available concentrations for household bleach, it is necessary to provide mixing guidelines and ensure that operators are testing solutions to achieve proper concentrations.

RESPONSE/INTERPRETATION:

The following is provided as added guidance to assist in compliance with Rules .2801(7) and .2801(22). It is also recommended that child care providers be instructed to read bleach container labels carefully to verify the sodium hypochlorite concentration and to use the following table as a guide for mixing bleach.

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

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

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



2020 Trainings

**All Classes will be held from 6:00-8:00 p.m. at CFA
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UPCOMING TRAININGS

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