



MAINE CDC DRINKING WATER PROGRAM
Department of Health & Human Services

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Clorox® Concentrated Dosage Guidance

Clorox® *Concentrated* has a stronger concentration of sodium hypochlorite (the active ingredient to disinfect in bleach). The concentration of sodium hypochlorite in the Clorox® *Concentrated* product is 8.25%, compared to 5.25% in Clorox® *Regular* and 6% in Clorox® *Ultra*. **If you use Clorox® *Concentrated* in your continuous chlorination disinfection system, you will need to adjust the amount of bleach you use, as less of this product is needed to achieve the same strength as other Clorox® products.**

The following guidelines can help you determine how much Clorox® *Concentrated* should be used instead of “Regular” or “Ultra” Clorox® to achieve the same dosage in your continuous chlorination disinfection system:

First, identify which Clorox® product you have been using in your continuous chlorination system: Clorox® *Ultra* or Clorox® *Regular*. This will determine how much you need to adjust your dosage for using Clorox® *Concentrated*.

If you have been using Clorox® *Ultra*

- Multiply the amount of Clorox® *Ultra* you usually add to the solution tank of your continuous chlorination disinfection system by 0.73 (or 73%). The result is how much Clorox® *Concentrated* you need to add to achieve a similar dosage.

Example: If you normally add 3 cups of bleach to 15gal of water to fill your solution tank, you would multiply:

$$3 \text{ cups} \times 0.73 = 2.19 \text{ cups}$$

According to the result, you should use 2.19 cups (approx. 2 ¼ cups) of Clorox® *Concentrated*.

3 cups	X	0.73	=	2.19 cups (approx.. 2 ¼ cups)
<i>Amount of Clorox® Ultra usually added to continuous chlorination treatment system</i>			<i>Amount of Clorox® Concentrated needed to achieve similar residual</i>	

If you have been using Clorox® *Regular*

- Multiply the amount of Clorox® *Regular* you usually add to the solution tank of your continuous chlorination disinfection system by 0.64 (or 64%). The result is how much Clorox® *Concentrated* you need to add to achieve a similar dosage.

Example: If you normally add 3 cups of bleach to 15gal of water to fill your solution tank, you would multiply:

$$3 \text{ cups} \times 0.64 = 1.92 \text{ cups}$$

According to the result, you should use 1.92 (approx. 2 cups) cups of Clorox® *Concentrated*.

3 cups	X	0.64	=	1.92 cups (approx.. 2 cups)
<i>Amount of Clorox® Regular usually added to continuous chlorination treatment system</i>			<i>Amount of Clorox® Concentrated needed to achieve similar residual</i>	

IMPORTANT: If you use Clorox® *Concentrated* instead of either of the other Clorox® products you have been using, you should **closely monitor your chlorine residual throughout the system for several days after the initial switch to ensure that the chlorine residual within the water system is within the proper range.** The target chlorine residual range for most systems is 0.2 mg/l to 0.7 mg/l in the system. At no time should the level be over 4.0 mg/l at the first faucet after the chlorinator.

Keep Your Drinking Water Safe

- Protect Your Source**
- Take Your Samples**
- Maintain Treatment**
- Inspect Pipes & Tanks**