

# Chlorination

## Chlorination Method of Emergency Water Purification

Chlorination uses unscented liquid chlorine bleach to kill microorganisms. Follow these recommendations:

- For one quart water use 2 drops of unscented liquid chlorine bleach. If water is cloudy, use 4 drops.
- For one gallon water use 8 drops of unscented liquid chlorine bleach. If water is cloudy, use 16 drops.
- For 5 gallons water, use 1/2 teaspoon of unscented liquid chlorine bleach. If water is cloudy, use 1 teaspoon.
- For 15 gallons water, use 1 1/4 teaspoons of unscented liquid chlorine bleach. If water is cloudy, use 2 1/2 teaspoons.
- For 55 gallons water, use 4 1/2 teaspoons unscented liquid chlorine bleach. If water is cloudy, use 3 Tablespoons bleach.

[Note: There are approximately 100 drops in a teaspoon]

See "Water Storage Tips" for bleach safety information

Add unscented liquid chlorine bleach to the water, stir and let stand for 30 minutes. If the water does not taste and smell of chlorine at that point, add another dose and let stand another 15 minutes.

If you do not have a dropper, use a spoon and a square ended strip of paper or thin cloth about 1/4 inch by 2 inches. Put the strip in the spoon with an end hanging down about 1/2 inch below the scoop of the spoon. Place unscented liquid chlorine bleach in the spoon and carefully tip it. Drops the size of those from a medicine dropper will drip off the end of the strip.

*Adapted from the FEMA library: "Emergency Food and Water Supplies"*