

BLEACH DISINFECTION OF DRINKING WATER

Using bleach (chlorine) to disinfect water is not recommended for Public Notifications that are a result of high turbidity. Turbid water reduces the effects of bleach as a disinfectant. In addition, there may be pathogens present in the turbid water that are not affected by bleach.

However, if the water is clear and boiling water is not practical, you can use the following chart as a guide to using bleach.

Gallons of water to disinfect (equivalent shown in brackets)	Amount of Household bleach (5%) to add *
1 gal. (4.5 litres)	2 drops (0.18 ml)
2 1/5 gal. (10 litres)	5 drops (0.4 ml)
5 gal. (23 litres)	11 drops (0.9 ml)
10 gal. (45 litres)	22 drops (1.8 ml)
22 gal. (100 litres)	3/4 teaspoon (4 ml)
45 gal. (205 litres)	1 1/2 teaspoons (8 ml)
50 gal. (230 litres)	1 3/4 teaspoons (9 ml)
100 gal. (450 litres)	3 1/2 teaspoons (18 ml)
220 gal. (1000 litres)	8 teaspoons (40 ml)
500 gal. (2200 litres)	6 tablespoons (90 ml)
1000 gal. (4550 litres)	6 1/2 ounces or 12 tablespoons (180 ml)