



I. General Information:

The active ingredient in chlorine bleach is the hypochlorite ion. This chemical will inactivate many pathogenic agents, including hepatitis B virus (HBV) and the human immunodeficiency virus (HIV). Bleach is never used full-strength as a cleaner or disinfectant because of its corrosive properties and strong chemical smell. The following solution must be made fresh daily, as the active ingredient is lost rapidly in dilute solutions. Do not use "fresh" or "lemon-scented" bleach because the active ingredient is destroyed.

II. Formulas For Mixing Chlorine Bleach Solutions:

A. 1: 64 Chlorine Bleach Solution

<u>Amount of Bleach</u>	<u>Amount of Water</u>	<u>Final Amount of Solution</u>
1/4 C	4 quarts	1 Gallon
2 T.	2 quarts	1/2 Gallon
1 T.	1 quart	1 quart
1-1/2 t.	1 pint	1 pint

This solution is used for general cleaning of non-porous environmental surfaces on a routine basis.

B. 1: 128 Chlorine Bleach Solution

<u>Amount of Bleach</u>	<u>Amount of Water</u>	<u>Final Amount of Solution</u>
1 T.	4 quarts	1 Gallon

This solution is used for kitchen utensils.