

HYPOCHLOR 12 is ClearTech's brand of **industrial strength bleach** (Sodium Hypochlorite). Properly applied, bleach is clinically proven as an economical and effective disinfectant for treatment against a broad spectrum of microorganisms including staph, E coli, Salmonella, and Strep. This document outlines best practices for safely preparing and handling dilute bleach solutions for sanitary purposes.

STRENGTH:

- Hypochlor 12 is manufactured as a 12% sodium hypochlorite solution (bleach).
- Typically, household bleach is packaged at 3.5% - 5.5% bleach (see manufacturer's label).
- Bleach must be diluted for proper application as a household/commercial disinfectant.
- The general guidelines for the amount of bleach in a sanitizer solution is 50-200 ppm (parts per million). Greater than 2400 ppm is required for use as a disinfectant.
- Note: all bleach decomposes over time, check the manufacturing date. For best results strive to consume the undiluted product within 90 days of manufacture.
- Dilute solutions will degrade, they typically last up to a week when stored in a cool and dark place. When in doubt or for critical applications prepare a fresh solution.
- Typical dilutions are shown below:

Amount of Water	Amount of Hypochlor 12	Total Parts Per Million
4L	1.75 ml	50ppm (sanitizer)
4L	7.00 ml	200ppm (sanitizer)
4L	84.00 ml	2400ppm (disinfectant)

**For ensuring proper concentrations, Chlorine Test Strips are widely available

SAFETY:

- ALWAYS carefully review the safety information and/or SDS for every chemical product you use.
- For information about Hypochlor 12 please refer to our SDS as available on our website.
- When mixing Hypochlor 12, ALWAYS add bleach to water, not water to bleach.
- NEVER mix liquid bleach with other cleaning products or ammonia. This may release hazardous gases into the air and cause illness or injury.
- Make sure to label bottles with the correct strength of solution and the date of preparation.
- Keep all bleach products out of reach of children

RECOMENDATIONS FOR USE OF DILUTE HYPOCHLOR 12 SOLUTIONS:

- Wash surfaces with soap and warm clean water to remove dirt and debris, rinse with clean water, and wipe dry.
- Next, sanitize or disinfect surfaces with the selected dilute Hypochlor solution per instructions below.
- To sanitize food preparation surfaces, tables, children's toys, doorknobs, highchairs - Contact time: 2 minutes; air dry, no rinse step.
- To disinfect bathrooms, diaper changing tables, toilet seats, surfaces contaminated with high hazard fluids (vomit, stool, urine, blood, known virus) - Contact time: 5 minutes; rinse with water, air dry.

**For detailed information on specific uses and practice
please refer to Health Canada and your provincial public health website**

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