How to Make Strong (0.5%) Chlorine Solution from Liquid Bleach

Use strong (0.5%) chlorine solution to disinfect surfaces and items contaminated with blood or body fluids. **Make new strong (0.5%) chlorine solution every day.** Throw away any leftover solution from the day before.

**Supplies Needed**
- Measuring cup or liter bottle
- Bucket with lid
- Liquid bleach
- Water
- Stick for stirring
- Label

1. **Make sure to wear required PPE.**

2a. **From 1.25%**
   - Pour 2 parts liquid bleach and 3 parts water into a bucket.
   - Repeat until full.

2b. **From 2.6% or 8° chlorum**
   - Pour 1 part liquid bleach and 4 parts water into a bucket.
   - Repeat until full.

2c. **From 3.5% or 12° chlorum**
   - Pour 1 part liquid bleach and 6 parts water into a bucket.
   - Repeat until full.

2d. **From 5%**
   - Pour 1 part liquid bleach and 9 parts water into a bucket.
   - Repeat until full.

3. **Stir well for 10 seconds.**

4. Label bucket **“Strong (0.5%) Chlorine Solution - Disinfecting Blood or Body Fluid Spills.”**

5. **Cover bucket with lid.**

6. **Store in shade. Do not store in direct sunlight.**

**WARNING**
- Do NOT mix chlorine solution with other cleaning products.
- Do NOT put chlorine solution in mouth or eyes.


U.S. Department of Health and Human Services, Centers for Disease Control and Prevention
How to Make Strong (0.5%) Chlorine Solution from 70% Chlorine Powder

Use strong (0.5%) chlorine solution to clean and disinfect surfaces, objects, and body fluid spills. Make new strong (0.5%) chlorine solution every day. Throw away any leftover solution from the day before.

1. Make sure to wear required PPE.
2. Add 10 tablespoons (150g) of high-test hypochlorite (HTH) (70% chlorine) to 20 liters of water in a bucket.
3. Stir well for 10 seconds, or until the HTH has dissolved.
4. Wait 30 minutes before use.
5. Label bucket “Strong (0.5%) Chlorine Solution - Disinfecting Blood or Body Fluid Spills.”
6. Cover bucket with lid.
7. Store in shade. Do not store in direct sunlight.

WARNING:
- Do NOT mix chlorine solution with other cleaning products.
- Do NOT put chlorine solution in mouth or eyes.

Supplies Needed:
- Tablespoon
- Bucket with lid
- Water
- 70% HTH
- Stick for stirring
- Label

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