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

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.

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

**WARNING**
Do NOT drink chlorine water.
Do NOT put chlorine water in mouth or eyes.

1. Make sure you are wearing extended PPE.
2a. Pour 2 parts liquid bleach and 3 parts water into a bucket. Repeat until full.
2b. Pour 1 part liquid bleach and 4 parts water into a bucket. Repeat until full.
2c. Pour 1 part liquid bleach and 6 parts water into a bucket. Repeat until full.
2d. 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 - Cleaning.”
5. Cover bucket with lid.

From 1.25%

- 1.25% water + bleach =

From 2.6% or 8° chlorum

- 2.6% water + bleach =

From 3.5% or 12° chlorum

- 3.5% water + bleach =

From 5%

- 5% water + bleach =

10 sec
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 you are wearing extended PPE.
2. Add 10 tablespoons of 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 - Cleaning.”
6. Cover bucket with lid.
7. Store in shade. Do not store in direct sunlight.

**WARNING**
Do NOT drink chlorine water. Do NOT put chlorine water in mouth or eyes.

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