

Bulletproof Your Home (Part 1)

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bulletproof-your-home-part-1](https://open.substack.com/pub/curioushumanproductions/p/bulletproof-your-home-part-1)**

Welcome to Bulletproof Your Home: The Ultimate Guide to Chlorine Dioxide Around the House, your secret weapon for a healthier, fresher, and truly resilient living space whether it's a drafty, old motorhome, outdated, mobile home, or mansion. Imagine opening your front door and knowing that invisible threats—mold, funky odors, and lingering germs—no longer stand a chance. In a world packed with cleaning products that promise the moon but deliver hidden risks, what if you could use one science-backed molecule to do the job cleaner, safer, and smarter? On top of that, you can use it to cure your own diseases which I have written extensively about here on Substack.

This isn't another bland cleaning manual. It's a transformation playbook that you will refer to every day. In these pages, you'll discover how chlorine dioxide, a remarkably simple molecule, holds the key to revolutionizing how you protect every corner of your home. Trusted in hospitals, water treatment plants, laboratories, and more chlorine dioxide gives you powerful cleaning and deodorizing results without leaving behind toxic residues or overpowering scents. Even better, when it does its job, it breaks down into just a harmless chloride ion and oxygen—so you get cleanliness and safety with every use.

With straightforward recipes and step-by-step applications, you'll be able to tackle deep cleaning, emergency water preparation, pet messes, and stubborn bathroom problems such as eliminating mold and neutralizing persistent odors. Additionally, you'll discover how to

Ready to swap chemical confusion for clarity—and release the true freshness your household needs? Let's get going and make your home bulletproof.

Important Notes Before You Begin

- Products discussed here are not EPA-registered disinfectants. They are described only as surface treatments, deodorizers, and cleaning aids.
- Chlorine dioxide (ClO_2) is versatile but should be handled with care. Use gloves with concentrated solutions, avoid direct inhalation of concentrated fumes, and always work in a ventilated area.
- Store solutions in dark, cool places and use only glass, HDPE, or PET plastic containers.
- Unused solutions can generally be stored for up to 20 days if sealed and refrigerated properly.
- If exact dosage is important, you can use chlorine dioxide test strips (available from supply vendors like Amazon or Grainger).

Mixing Basics

Chlorine dioxide is made by combining two solutions:

- Part A = sodium chlorite solution
- Part B = activator solution

 [Buyer's Guide for Chlorine Dioxide](#)

How to activate:

1. Add equal drops of Part A and Part B into a container. Cover the top of the container if possible. This prevents the gases from escaping and they will go into the solution.
2. Let them react for 3 minutes. (solution will turn pale yellow to amber in color).
3. Dilute with distilled water based on the strength you need.
4. Different jobs around the house require different strengths:
 - Strong solutions (~150 ppm) → deep cleaning, mold/mildew, serious odors.
 - Mild solutions (~15 ppm) → daily cleaning, countertops, utensils, garbage cans.
 - Very mild solutions (~5 ppm or less) → vegetable rinse, shoes, pets, air freshening.

Applications Around the Home


Hard Surface Cleaning

- Deep Cleaning / Mold & Mildew (150 ppm)
- Mix 18 drops Part A + 18 drops Part B; wait 3 min.
- Add 8 oz distilled water.
- Spray onto counters, sinks, tubs, tiles, or toilet rims.

- Let sit for 10 minutes before rinsing or wiping.

Everyday Cleaning (15 ppm)

- Mix 8 drops Part A + 8 drops Part B; wait 3 min.
- Add 16 oz of water.
- Spray and wipe — no rinse needed.

 These solutions can be stored in the refrigerator for up to two weeks and used as needed. If you do not store it in the refrigerator, the chlorine dioxide will evaporated out of the water.

Food Prep & Kitchen

Vegetable Rinse (5 ppm)

- For each gallon of water: activate 9 drops Part A + 9 drops Part B; wait 3 min.
- Soak vegetables for 1 minute, then rinse and use.

Cutting Boards & Utensils (15 ppm)

- Mix 8 drops Part A + 8 drops Part B; wait 3 min.
- Add to 8 oz water, spray or wipe cutting boards and utensils.
- Coffee Pots, Brewers & Ice Makers (15 ppm)
- Fill tanks/lines with mild solution and run a cycle.
- Flush with fresh distilled water afterward.

- Glassware, Dishes & Silverware
- Soak in sink with solution made by activating 30 drops Part A + 30 drops Part B (10 min), then diluting in water.
- Let items sit for 10 minutes or more before rinsing.

Deodorizing

Garbage Cans

- Spray inside with 15 ppm solution when changing bags.

Shoes & Laundry Hampers

- For strong odors: spray inside shoes with mild solution and let dry.
- For wicker hampers: use very mild 5 ppm solution.

Air Freshener (2 ppm)

- Activate and add 1–2 drops each of Part A & Part B into 16 oz water in a fine mist spray bottle.
- Use like any spray air freshener.

Water Applications

Potable Water Storage

- Add 3 drops of Part A per gallon (not activated).
- Keeps stored water fresh-tasting and odor-free.

Drinking Water Treatment

- Activate 8 drops Part A + 4 drops Part 8; wait 60 sec. (It is preferred to activate in a covered container.)
- Add to 1 gallon of water.
- Let sit 1 hour before drinking.

[\(More detailed post on water treatment\)](#)

Pets & Flowers

Pet Drinking Water

- 1 drop of Part A per bowl (not activated).

Dog Odor Control

- 1 drop of Part A in 16 oz spray bottle (not activated) → light mist as deodorizer.

Skunk Odor

- Add 20–40 activated drops (2–4 ml) to bath water; let soak pet for 10–20 min.
- Rinse and shampoo as normal.

Cut Flowers

- Add 1–2 drops Part A (not activated) into vase water.

Atmospheric Treatments (Gas Method)

(Used for odor removal in enclosed spaces; not daily cleaning)

Cars

- Place 40–60 drops (2–4 ml) Part A in dish on floorboard.
- Add pre-measured Part B, then exit car quickly.
- Let AC run on recirculate for 20–30 minutes.
- Air out fully before re-entering.

Boats & Rooms

- For every 30 cubic feet, combine 40 drops (2 ml) Part A + B in open containers.
- Distribute through space, close it off 4+ hours, then air out.

Air Ducts

- 60–100 activated drops in small bowl placed behind return-air filter.
- Run AC for 2 hours, then air out home.

Mold & Mildew Walls

Spray affected walls with solution:

- 36 drops Part A + 36 drops Part B, wait 3 min, mix into 16 oz water.

For heavy cases:

- Place bowls with 100 drops Part A + B every 3 ft along wall.
- Seal space 6–8 hours, then ventilate.

Final Thoughts

Chlorine dioxide is a multi-purpose disinfectant, cleaner and deodorizer that can replace many traditional household products. From cleaning counters to freshening air, extending the life of cut flowers to working on moldy spaces, it's a handy tool when mixed properly.

Always remember: use the right dilution for the job, activate correctly, and work safely.