

# SAFRAX® ODOR REMOVAL TREATMENT



## Step-by-Step User Manual



## Eliminate Odors, Mold\*, and Pests\*

⚠️ \* Regulatory Notice

Product claims, including those related to odor, mold, mildew, or pest control, may be subject to specific regulations or registration requirements that differ by country or state. The information provided in this document is for general guidance only and does not imply regulatory approval. Users are solely responsible for ensuring that all applications and representations comply with applicable local laws and regulations.

### WE GUARANTEE 100% ODOR REMOVAL!

If the smell  
persists, please get  
in touch with us:



[support@safrax.com](mailto:support@safrax.com)



+1.855.888.CLO2 (2562)  
+1.888.795.5888



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## Part 1: Preparation

### 1 Prepare the Space

- **Close all exterior doors and windows** to contain the gas.



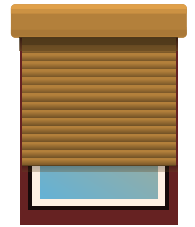
- Open all interior doors, cabinets, drawers, and closets to ensure complete circulation of the gas.

- Seal the Area: Use painter's tape to cover gaps under doors, around windows, and vents to **prevent gas from escaping**.



### 2 Limit Light Exposure

- Chlorine dioxide breaks down quickly when exposed to sunlight (UV light). To ensure maximum effectiveness, **close all curtains or blinds** before starting treatment. If windows cannot be fully covered, consider using black plastic sheeting to block out light. Alternatively, begin the treatment in the evening.



### 3 Remove Living Organisms

- **Remove all pets, plants,** and aquariums from the area before starting.
- If an aquarium cannot be moved, please contact Safrax Support for detailed instructions to protect aquatic life during treatment.



### 4 Turn Off Pilot Lights

- While chlorine dioxide is **not flammable or explosive**, but high concentrations of gas near an open flame or pilot light can cause pressure-related reactions such as popping sounds or fireless air bursts.
- For safety, **turn off all pilot lights and ignition sources** during treatment.



## Part 1: Preparation

### 5 Protect Clothing and Fabrics

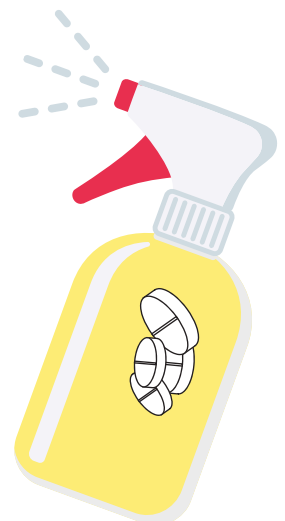
- Chlorine dioxide gas does not stain dry fabrics; **however, it can cause discoloration if fabrics are damp, humid, or wet.** Always remove moist towels, humid textiles, or recently laundered items from the treatment area. Dark or dyed cotton fabrics –especially black– are more susceptible to staining when humidity is present.
- Also, in environments with high mold or moisture levels, fabrics may appear dry but can retain hidden humidity. This trapped moisture can react with chlorine dioxide gas, causing unexpected marks or discoloration—similar to bleach stains.



- For example, these two shirts were dry and folded on a shelf, but due to **high ambient humidity from mold**, the  $\text{ClO}_2$  gas reacted with the moisture trapped in the folded areas, leaving **visible stains** along the crease lines. This effect is most common on cotton fabrics. When in doubt, remove or protect sensitive items.

### 6 Pre-Treatment for Pet Urine Odors and Surface Mold

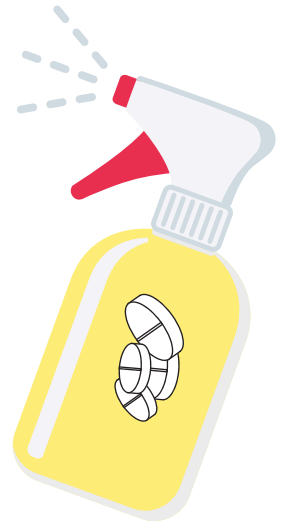
- For strong **pet urine odors** or **visible surface mold**, pre-treat the affected area using a chlorine dioxide spray solution of 1000 PPM or higher before beginning the gas treatment.
- **Pet urine often soaks deep into porous materials** such as floors and walls, so multiple treatments may be required to completely neutralize odors at their source.



## Part 1: Preparation

### To Prepare the Spray

- Dissolve **10 tablets in a 32 oz (1 liter)** spray bottle filled with water.
- For concrete, tile, or hardwood, spray generously and evenly, allowing at least 20 minutes of contact time for full surface action.
- For carpet, fabric, or other absorbent materials, test on a small hidden area first, as staining or discoloration may occur with certain dyes or finishes.



### 7 Choose the Right Container

- Select a sturdy plastic bucket or container with a **minimum capacity of 2 gallons (8 liters)**. This ensures there's enough space to safely handle the effervescent foaming reaction that occurs during activation.
- For best results, place one container in the **center of each room** being treated to allow even gas distribution.



### 8 Protect Surfaces and Flooring

- Place a **plant saucer or protective tray under each container**—especially if it's on hardwood, carpet, or other sensitive flooring.
- When adding multiple Safrax tablets, the effervescent reaction produces bubbling and foam, which can cause the solution to overflow if the container is too small. Using a tray will catch any excess liquid and help prevent stains or surface damage.



## Part 1: Preparation




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- Important: Do not place the container **NEAR STAINLESS STEEL SURFACES** (such as refrigerators, ovens, dishwashers, or sinks). Foam or **SPLASHES** during activation may stain or corrode stainless steel. Also, make sure nearby stainless steel is dry – moisture can cause corrosion.



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### Precaution for Electronic Devices

-  **Proven Safety:** Safrax chlorine dioxide gas treatments have been safely used in thousands of applications – including homes, vehicles, offices, and even data centers and computer rooms – without incident.
-  **Important Notice:** We received one isolated report of **potential electronic damage (television corrosion)**. Investigation suggests this may have been caused by high humidity and prolonged exposure time during treatment.
-  **Recommendation:**
  - To ensure maximum safety: **Remove electronic devices** such as TVs, computers, and sound systems when possible.
  - If removal is not practical, **completely cover and seal devices with plastic film** to protect them from extended gas or moisture exposure.

# SAFRAX ODOR REMOVAL TREATMENT



## Part 2: Activation of Chlorine Dioxide Gas

### 1 ADD WATER FIRST:



- Pour about **3 TO 4 CUPS (1 LITER)** of warm or **room temperature** WATER into the bucket. Warm water activates the reaction slightly faster than cold water.
- Add the water to all buckets first. This allows you to move quickly from one bucket to the next when adding the tablets, ensuring a faster activation process and quicker exit from the room.

### 2 Add Tablets:



- For rooms up to **250 square feet**, use **HALF A BAG** of Safrax® tablets (about **250 grams /tablets**), adjusting based on the odor severity. For larger rooms, add additional buckets. A good rule of thumb is 1 tablet per square foot of treatment area.
- **Add / sprinkle the tablets slowly into the water.**
- Swirl the bucket quickly to prevent the tablets from clumping.



### 3 Leave the Room Immediately:



After adding the tablets, chlorine dioxide will foam and rapidly fill the room with gas.



Chlorine dioxide gas will quickly fill and saturate the room within minutes.

- **Leave the Room Immediately:** After adding the tablets, chlorine dioxide gas will begin releasing within seconds. **Exit the room within 30 seconds** — do not linger, and **avoid breathing in the gas— HOLD YOUR BREATH WHILE EXITING.**
- **Do Not Inhale Gas:** Avoid breathing in the chlorine dioxide vapor or gas.



- **Use a Respirator:** Wearing a respirator mask is strongly recommended **if you are unable to leave the room within 30 seconds** after activation, or **if you are treating multiple rooms or an entire house and need to remain indoors for a few minutes** while activating several buckets. This helps protect you from exposure to chlorine dioxide gas during the activation process.

#### **Popping Sounds (Like Firecrackers):**

If the tablets are dropped too quickly, or if the water is too cold and the environment is highly humid, a rapid chemical reaction may occur. This can cause surface reactions between the tablets themselves, producing popping or firecracker-like sounds.

If this happens, **DO NOT RE-ENTER THE ROOM** as the gas is already being released and the room is filling up with gas. Once gas release begins, never re-enter the treatment area without a respirator.

## Part 3: Ventilation & Re-Entry

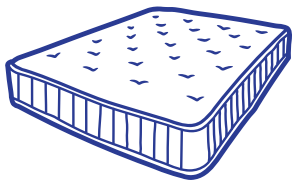
### 1 Treatment Duration

- For most applications, it is recommended to let the chlorine dioxide gas work for **24 hours**. It is perfectly safe to leave the treatment running for several days. After 24 hours, you should be able to re-enter the space without a respirator.
- For emergency treatments (such as 3-hour high-concentration gassing), **re-entry is advised with a respirator**.



### 2 Ventilation

- After the treatment period, **open all windows and doors** to thoroughly ventilate the space. Use fans if necessary to speed up air circulation. Ventilation typically takes 15 to 30 minutes, depending on airflow and room size.
- You may notice a mild chlorine-like (pool) smell—this is normal and not harmful, but continue ventilating until it fades.
- Opening curtains and allowing sunlight in can also help dissipate any remaining chlorine dioxide odor.



**\*\*Note\*\*:** Some **memory foam mattresses** may retain a slight chlorine-like **odor** (similar to a swimming pool) for a few days after treatment. This residual smell is not toxic and does not pose any health risks at this concentration.

### 3 Disposal

- Our Safrax® Chlorine Dioxide gas treatment **does not require rinsing or wiping**.
- Dispose of the leftover solution by pouring it down the toilet or drain. The white residue left behind is simply common salt.
- If you used an air pump, the remaining liquid will be clear water with no residue.

## Important Safety Information

### NO OCCUPANCY DURING TREATMENT

For safety, no people, pets, or plants should be present during chlorine dioxide gas treatment.

- **DIRECT INHALATION OF CHLORINE DIOXIDE VAPOR CAN CAUSE THROAT IRRITATION, COUGHING, FEVER, OR FLU-LIKE SYMPTOMS THAT MAY LAST 5 TO 7 DAYS.**
- A respirator mask is strongly recommended, especially for those with respiratory issues or limited mobility, as this may hinder a quick exit.
- If mobility is restricted (e.g. elderly individuals), assistance is advised for treatment.

### PREVENTING GAS SPREAD

- If treating one room at a time, seal the door from the outside using painter's tape to prevent gas from escaping into other parts of the home.
- In apartment buildings, always seal the treatment room from the outside to avoid chlorine dioxide gas leaking into hallways or shared spaces.



### POSTING A WARNING NOTICE

- If you live in an apartment building or gated residential community, it is advised to post a visible notice on your door informing others that chlorine dioxide gas treatment is in progress. This prevents accidental entry and ensures the safety of neighbors and maintenance staff.

<p>SAFRAX Chlorine Dioxide Gas Treatment in Progress For Odor Removal DO NOT ENTER</p> <p>Date: _____ Start Time: _____</p> <ul style="list-style-type: none"><li>• If you need to enter within 24 hours, you must wear a respirator. Chlorine dioxide gas can irritate the throat.</li><li>• Please note that chlorine dioxide gas is non-flammable.</li></ul>
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## Optional Enhancements (Faster / Intense Treatments)

For situations requiring accelerated or high-intensity results—such as **emergency odor elimination, mold remediation, or bed bug eradication**—a 3-hour high-concentration gassing can be highly effective.

In these cases, use **3 to 4 buckets per room, each containing 500 tablets dissolved in 8 cups (2 liters) of water**, to achieve complete gas saturation.



This method provides a **powerful, short-duration treatment** ideal for spaces where only a limited time window (e.g., 3 hours) is available.

### ⚠ Important Safety Notice:

- The area must remain completely unoccupied during treatment.
- Wear a **respirator** when preparing or activating multiple buckets, as chlorine dioxide gas will begin forming while you finish activating the four buckets.
- After the 3-hour treatment period, ensure full ventilation before re-entry by opening all windows and doors to allow fresh air circulation for at least 30–60 minutes. **If the area needs to be reoccupied shortly after treatment, make sure large windows and doors are available to provide maximum ventilation and rapid air exchange.**

## Optional Enhancements (Faster / Intense Treatments)

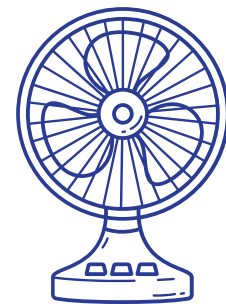
### Option 1: Aquarium Air Pump / Air Stone

- An aquarium air pump can be used to **boost gas generation** and circulation during chlorine dioxide activation.
- Connect the pump to an air stone or diffuser, and place only the tubing and air stone into the bucket of water—never submerge the pump itself.
- The steady flow of fine air bubbles helps agitate the solution, allowing **chlorine dioxide gas to escape quickly from the water and disperse into the air.**
- This process **speeds up gas release and room saturation,** ensuring the treatment spreads faster and more evenly throughout the space.



### Option 2: Fans for Airflow

- Position one fan in the space being treated to gently circulate the gas. This helps ensure chlorine dioxide reaches cracks, corners, vents, and other tight spaces.



### Option 3: Stand Mattresses Upright

- For **bed bug treatments,** stand mattresses on their sides at an angle if possible. This improves airflow and exposes seams and crevices where bed bugs hide, increasing gas penetration and overall effectiveness of the treatment.



## Optional Enhancements (Faster / Intense Treatments)

**HIGH-CONCENTRATION GASSING:** For bedbug treatment, emergency odor / mold removal with a **3-hour exposure**. For optimal gas dispersion, use with an airstone/pump to enhance chlorine dioxide release.



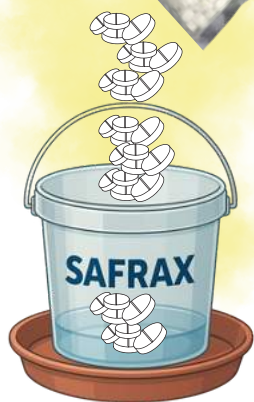
**8 Cups / 64 Oz / 2 Liters**

- Use 8 cups / 64 oz / 2 Liters of **WATER** per bucket.



**1 Bag (+/- 500 Tablets) 500 grams**

- Slowly add a **FULL bag (500 grams)** directly to the water.



- **Swirl the bucket quickly** to prevent the tablets from clumping.