FORTIFY CLOUD

AT-A-GLANCE OVERVIEW

1



REMOVE ALL PLANTS FROM TREATMENT AREA BEFORE ACTIVATION.

Seal the treatment area. Assure all doors, windows and entryways are sealed to contain gas.

2



Shake vigorously for 3-5 seconds to loosen granulated chemical.Open Fortify Cloud canister. **Completely remove lid prior to use.** Each canister contains powder and small measuring cup.

3



Remove small cup from canister and fill to specified level with **WATER.**

4



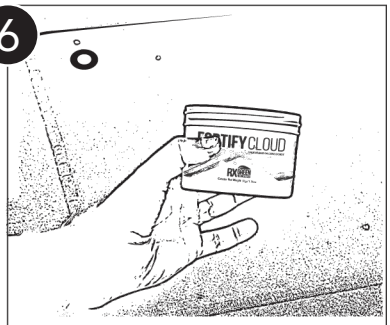
Pour water into canister.

5



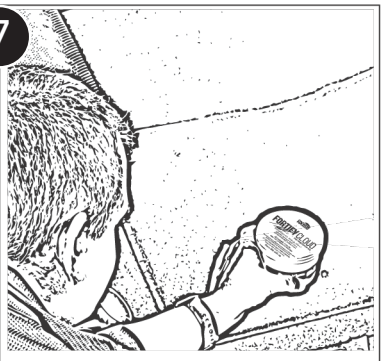
Agitate lightly to thoroughly mix water and powdered chemical.

6



Place canister in treatment area.

7



Place canister on a solid surface. Place lid or a small catch tray underneath the canister.

8



Chlorine dioxide gas is activated. Shortly, the canister will fill with a yellowish gas. Keep area sealed for specified time period. DO NOT ENTER AREA without proper PPE. **DO NOT VENTILATE.**.

9



After specified time period, turn on exhaust from outside treatment area and/or exhaust remaining gas. Place lid on canister and throw into trash.

YOUR TREATMENT IS NOW COMPLETE

FORTIFY CLOUD

PERSONAL PROTECTIVE EQUIPMENT (PPE)

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Rubber Gloves (nitrile or latex)	As with any chemical mixture, do not touch Fortify Cloud powder with bare hands. Rubber gloves are recommended.
Safety Glasses	Always wear safety glasses when using or handling Fortify Cloud .
Chlorine Dioxide (ClO_2) Monitor	Large Treatment plans only - A personal chlorine dioxide monitor may be worn near the collar of the shirt for measuring residual gas levels. See the following link for the recommended equipment: Honeywell BW Solo
Full-Face Respirator & filters rated for ClO_2	Large Treatment plans only - Full-Face respirator should be worn anytime you are deploying more than 1,000 grams of Fortify Cloud. See the following link for the recommended equipment: Full face respirator
Personnel Readiness & Safety	Large Treatment plans only - When deploying more than 1,000 grams of Fortify Cloud, two persons should work together for safety purposes.

See Fortify Cloud Material Safety Data Sheet or www.rxgreentechnologies.com for more information.

- **Small jobs (fewer than 20 canisters / under 1,000g):** nitrile gloves and safety glasses.
- **Large jobs (20+ canisters / 1,000g+):** full-face respirator with ClO2-rated filters, nitrile/latex gloves, safety glasses, personal ClO2 monitor, and two people working together.



FORTIFY CLOUD
DETAILED INSTRUCTIONS

EQUIPMENT

Scissors/Utility Knife	Used to cut open safety seal on Fortify Cloud package.
Bottle or small jug for water used to activate Fortify Cloud	Bottle is used to fill canisters and activate Fortify Cloud using the specified amount of water listed on the canister label.
Tape & polyethylene plastic (non-residue duct tape ideal)	To seal seams and hinges on man-doors, and for sealing with plastic of larger areas & vents to prevent gas from escaping to outside of building and/or areas that will not be treated.

PRE TREATMENT

REMOVE ALL PLANTS FROM TREATMENT AREA BEFORE ACTIVATION.

Clean prior to treatment	Ensure all treatment areas and surfaces are clean and free of organic matter. Dirt and other organic buildups can keep ClO_2 gas from effectively contacting the surface. (eg. plant debris, heavy grease, dirt or dust, etc.) Contact Rx Green Technologies with any questions about other materials or chemicals that will be in the treatment area, or concerns about possible interactivity between the chlorine dioxide and said materials.
Signage	Use appropriate DO NOT ENTER signage across entry ways to treatment area(s) to notify all persons that the area is being treated with ClO_2 gas.
Exhaust Planning to remove residual gas at completion of treatment	Plan how you will exhaust the residual gas upon cessation of chlorine dioxide treatment. For small areas this is nothing more than opening a door. For large areas, exhaust system (whether HVAC or fans) should be turned on from outside the treatment area, and exhausted to outside of building. Exhaust through the roof is ideal. Any gas released will quickly dissipate in the atmosphere.
Sealing confirmation	Inspect sealing of all doors, entry ways and vents to assure all areas are sufficiently sealed to prevent gas from escaping to the outside of treatment area and/or escaping beyond the areas that are being treated. Most man doors have appropriate weather seals that require no extra sealing. If you believe a man door will leak, then use non-residue duct tape or common painter's tape around the seams of doors and including the hinges of the doors. Vents and open entry ways should be sealed with polyethylene plastic (of any thickness), and securely sealed with tape on sides, tops, and bottoms. UV light will break down chlorine dioxide, therefore; cover windows and shut off lights to improve efficacy.

TREATMENT

Decontamination capability	- For microbial growth, use 100 grams per 500 cubic feet. - As a virucide, use 100 grams per 4,000 cubic feet. - For odor control, use 100 grams per 1,000 square feet. - Coverage up to 10,000 cubic feet.
Agitation of Fortify Cloud canister before opening	IMPORTANT: Shake canister vigorously for 3 – 5 seconds to loosen Fortify Cloud powder and assure proper activation of chemical. Do this BEFORE adding water.
Fortify Cloud Canister Placement	Place Fortify Cloud canisters equidistantly from each other in the areas that are being treated. To avoid bleaching risk, do not place directly on carpet, leather or textile surfaces.

FORTIFY CLOUD
ACTIVATION INSTRUCTIONS

TREATMENT CONT.

Activation	IMPORTANT: Remove lid and place lid upside down on a hard surface. Remove disposable fill cup from canister and fill cup with water to specified level. Pour water into Fortify Cloud canister and agitate lightly to mix water and chemical powder. Place face-up and inside the upside-down lid. Repeat for additionally deployed canisters. Note: room temperature tap water is recommended.
Final Sealing	Close all doors and provide final sealing upon exiting treatment area.

POST TREATMENT

Exhaust residual ClO_2 gas	For large treatment plans and after treatment time, turn on exhaust system whether HVAC or fans, from outside treatment area, and exhausted to outside of building. Exhaust through the roof is ideal. If exhaust through doorway(s) leading to outside is required, set up a perimeter of approximately 50 feet to prevent accidental exposure to chlorine dioxide. The gas will quickly dissipate in the atmosphere. For smaller areas, simply open the door and allow gas to naturally escape. This generally only takes a few minutes. Turning off the HVAC to the room being treated is recommended, and users should be mindful if rooms share HVAC systems.
Removal of Signage	Remove ONLY after the OSHA 8-hour safe gas level of 0.1 ppm or less has been reached.
Disposal of used canisters	Replace lid on canister and shake gently for 3 – 5 seconds and discard the closed canister in regular trash container. Solution is now a salt solution and harmless to the environment.

