



THE  
PHARMA-ROOM  
SURFACE WASH



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# THE PHARMA ROOM: SURFACE WASH TECHNICAL DATA SHEET

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# THE PHARMA ROOM: **SURFACE WASH**

## **\*DIRECTIONS FOR USE\***

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

### **Terminal sanitizing of surfaces such as tanks, transfer lines, hard non-porous food contact surfaces, food and beverage processing equipment conforming to 40 cfr 180.940(b) and (c).**

- Remove food particles and soil by using a pre-flush, pre-scrape, or pre-soak treatment.
- Clean tanks, lines, or surfaces thoroughly using suitable detergent; rinse with clean potable water.
- Wear appropriate personal protection equipment.
- Prepare a 50 to 250 PPM chlorine dioxide working solution.
- Fill, flush, immerse, circulate, or spray tanks, lines, processing equipment, or food-contact surfaces with the solution, making sure that surfaces remain thoroughly wet for at least one minute.
- After sanitizing, drain tank, line or equipment and allow to air dry.

### **Odor, slime and microbial control of food-processing water systems: flume transport, chill water and water cooling/warming systems.**

- Make sure that materials in system components such as water pumps and nozzles are compatible.
- Clean and rinse system with potable water.
- Wear appropriate personal protection equipment.
- Prepare a sufficient volume of 5 PPM chlorine dioxide working solution.
- Fill system with solution and circulate. For better results let stand overnight.
- Drain and rinse with potable water before use.

### **Odor, slime and microbial control of membrane systems: systems and food and beverage processing.**

- Make sure that materials in system components are compatible.
- Rinse system with potable water.
- Wear appropriate personal protection equipment.
- Prepare sufficient volume of chlorine dioxide solution suitably diluted for specific application..
- Fill system with solution and circulate. For better results let stand overnight.
- Drain and rinse with potable water before use.

### **Sanitization rinse of food contact surfaces, storage and utensils.**

- Remove gross particles and soil using suitable detergent, followed by potable water rinse.
- Wear appropriate personal protection equipment.
- Prepare a working solution at 100 to 250 PPM chlorine dioxide.
- Flush (min.1 min.), spray or wipe baskets, bins, utensils or food contact surfaces with solution.
- Allow to air dry.
- Do not reuse solution.

### **Sanitization of processing equipment and non-food contact surfaces in dairies, breweries, wineries and bottling plants.**

- Remove gross particles and soil using suitable detergent, followed by potable water rinse.
- Wear appropriate personal protection equipment.
- Prepare up to 500 PPM chlorine dioxide working solution.
- Fill and circulate, immerse, spray or wipe equipment according to requirements of target application.
- Special attention must be paid to hard to reach areas such as pipes and closed vessels to ensure contact with the solution.
- Make sure all surfaces remain thoroughly wet for at least 1 minute.
- Drain and air-dry treated equipment.
- Do not rinse.
- Do not reuse solution.

### **Terminal food-contact surfaces sanitizer rinse in poultry, meat and fish processing plants, dairies, breweries and bottling plants conforming to 21 cfr 178.1010(b)(34) and (c)(39).**

- Remove gross particles and soil using suitable detergent, followed by potable water rinse.
- Wear appropriate personal protection equipment.
- Prepare up to 250 PPM chlorine dioxide working solution.
- Spray or wipe solutionj on equipment and surfaces.
- Special attention must be paid to hard-to-reach areas such as pipes and closed vessels to ensure contact with the solution.
- Make sure all surfaces remain thoroughly wet for at least 1 minute.
- Air-dry treated surfaces.
- Do not rinse.
- Do not reuse solution.

### **New bottle and container sanitizing spray rinse CIP equipment.**

- Wear appropriate personal protection equipment.
- Prepare up to 250 PPM chlorine dioxide working solution.
- Ensure adequate ventilation suitable for misting operations.
- Connect working solution appropriately into CIP equipment setup.
- Configure spray parameters for minimum solution spray time of 15 seconds.
- Ensure rotation of containers or bottles to drain excess solution.
- Air-dry treated surfaces.
- Do not rinse.
- Do not reuse solution.

**Disinfection / sanitization of non-porous, hard surfaces such as walls, ceilings, tiles, floors, windows and tables.**

- Remove gross particles and soil using suitable detergent, followed by potable water rinse.
- Wear appropriate personal protection equipment.
- Prepare a working solution up to 250 PPM chlorine dioxide.
- Apply using a suitable and clean sprayer, sponge, or mop, making sure that surfaces remain thoroughly wet for at least 10 minutes.
- Wipe dry, or allow to air dry.
- Do not reuse solution.

**Treatment of potable water for human consumption.**

- Conforming to EPA regulation 40 CFR 141.65(a), maximum allowed level for residual chlorine dioxide in drinking water is 0.8 PPM.
- Conforming to EPA regulation 40 CFR 141.64(a), maximum allowed level for chlorite ion (main chlorine dioxide by-product) in drinking water is 1.0 PPM.
- Wear appropriate personal protection equipment.
- Add this product to drinking water intended for human consumption at a rate of 2.0 PPM chlorine dioxide per gallon according to the dilution chart provided.
- Stir gently and wait 10 minutes before drinking.
- The use of a residual disinfectant test-kit is highly recommended to ensure regulatory compliance.

**Sanitization and deodorization of healthcare, nursing and morgue facilities.**

- Rooms must be thoroughly cleaned prior to treatment.
- Wear appropriate personal protection equipment.
- Prepare a working solution of 50 to 1000 PPM chlorine dioxide.
- Lightly dampen walls, windows, ceilings, floors and other hard surfaces using a suitable sprayer device, sponge, or mop to apply solution.
- Allow to air dry and ventilate area before its reuse.

**Control and prevention of algae, fungi, bacteria, slime, mildew and biofilm contamination in agricultural and horticultural storage areas, work areas, tools, benches and walkways.**

- Remove gross particles and soil using suitable detergent, followed by potable water rinse.
- Wear appropriate personal protection equipment to manipulate and apply solution.
- Prepare a 50 to 250 PPM chlorine dioxide working solution.
- Apply using a clean sprayer device, sponge, or mop, making sure that surfaces remain wet for at least 10 minutes.
- Immerse tools in sanitizing solution making sure they remain wet for at least 10 minutes.
- Do not reuse solution.

### **Treatment of water for animal consumption.**

- Wear appropriate personal protection equipment.
- Add this product to animal drinking water at a rate of 3 to 5 PPM chlorine dioxide per gallon.
- Stir gently and wait 10 minutes before offering treated water to animals.

### **Sanitization of animal confinement, rearing and holding facilities.**

- Remove all animals and feed from facilities.
- Remove gross particles, manure, debris and any other organic residues.
- Empty all feeding and watering appliances.
- Thoroughly clean walls, floors, ceilings, chutes, troughs, racks, enclosures, surfaces and fixtures using suitable detergent, followed by water rinse.
- Wear appropriate personal protection equipment.
- Prepare a working solution up to 500 PPM chlorine dioxide.
- Apply solution using a suitable sprayer device, making sure that surfaces remain thoroughly wet for at least 10 minutes.
- Immerse-treat restraining and handling equipment, as well as cleaning tools, making sure they remain wet for at least 10 minutes.
- Allow to air-dry and ventilate area before reintroducing animals.

### **Sanitization of animal transport conveyances, rail cars, trailers and vessels.**

- Clean conveyances with high-pressure wash and suitable detergent.
- Wear appropriate personal protection equipment.
- Prepare a working solution of 250 to 500 PPM chlorine dioxide.
- Apply solution using a suitable sprayer device or wipe onto surfaces with clean cloth, making sure that surfaces remain thoroughly wet for at least 10 minutes.
- Allow to air-dry.

### **Control of odor and slime build-up in animal confinement facilities\***

- Remove animals and feed from facilities.
- Remove gross particles, manure, debris and any other organic residues.
- Thoroughly clean surfaces using suitable detergent, followed by water rinse.
- Wear appropriate personal protection equipment.
- Prepare a working solution at 1000 PPM chlorine dioxide.
- Apply using a clean sprayer device, sponge, or mop, making sure that surfaces remain wet for at least 10 minutes.
- Allow to air-dry and ventilate area before reintroducing animals.

### **Treatment of indoor swimming pools, hot tubs and spas.**

- Restrict use of pool, hot tub or spa during treatment.
- Wear appropriate personal protection equipment.
- Add product to pool water at a rate of 1 - 5 PPM chlorine dioxide per gallon.
- For best results, apply and let stand overnight.
- In morning, circulate water to flush lines and pipes, remove biofilm debris from water.
- Adjust pool water pH within 7.2 – 7.6 range.
- Treat as required.

### **Slime and algae control in ornamental pools and spray fountains.**

- Do not use this product if fish, or other aquatic species are kept in pool.
- Wear appropriate personal protection equipment.
- Add this product to pool water at a rate of 10 PPM chlorine dioxide per gallon.
- Circulate water.
- For better results apply and let stand overnight.
- Drain pool and refill with clean water.
- To prevent slime build-up, add product at a rate of 5 PPM chlorine dioxide per gallon.
- Treat as required.

### **Sanitization of water tanks of recreational vehicles, boats and aircraft.**

- Drain tank and remove sediments.
- Scrub tank using a suitable detergent and thoroughly flush with potable water.
- Wear appropriate personal protection equipment.
- Prepare a 500 PPM chlorine dioxide working solution.
- Fill tank with the sanitizing solution and bleed air out of lines.
- Allow solution to remain in tank for at least 10 minutes.
- Drain and thoroughly flush with potable water.
- Refill tank with potable water.
- Do not reuse solution residue.
- Discard effluent in accordance to current federal and local regulations.
- Treat as required.

### **Treatment of potable water in tanks of recreational vehicles, boats and aircraft.**

- Conforming to EPA regulations 40 CFR 141.65(a), maximum allowed level for residual chlorine dioxide in drinking water is 0.8 PPM
- Conforming to EPA regulations 40 CFR 141.64(a), maximum allowed level for chlorite ion (a chlorine dioxide by-product) in drinking water is 1.0 PPM
- Wear appropriate personal protection equipment.
- Add this product to drinking water tanks at a rate of 2.0 PPM chlorine dioxide per gallon.
- Stir gently and wait 10 minutes before drinking.

### Sanitizing of horticultural drip irrigation and spray bar emitters\*

- Wear appropriate personal protection equipment.
- Prepare a 1000 TO 2000 PPM chlorine dioxide working solution.
- Fill and circulate through system linked to water flow. Volume will vary according to size of system.
- Do not rinse.
- Do not reuse solution.

### Industrial fogging applications\*

Handheld foggers are recommended over stationary foggers to reach more surfaces, while changing the angle of applications in order to minimize missing surface contact in crevices shadow areas.

- Wear appropriate personal protection equipment including protective clothing, gloves, face shield and goggles, and NIOSH/MSHA approved respirator.
- Prepare a 400 TO 1000 PPM\* chlorine dioxide working solution.
- Let dwell wet on surface for at least 10 minutes.
- Do not rinse. Let air dry.
- Close doors and windows to room or vehicle. Prohibit entry of unauthorized personnel and persons not wearing appropriate PPE into treatment area during fogging. Prevent re-entry for one hour. Open doors and windows to ventilate area prior to re-entry.

## DILUTION CHART FOR THE PHARMA ROOM: SURFACE WASH (500 PPM) TO MAKE 2 GALLONS OF DILUTED PRODUCT

CONCENTRATION	STRENGTH	ADD THIS MUCH WATER	TO THIS MUCH SURFACE WASH
10 PPM	2%	251 oz	5 oz
50 PPM	10%	230 oz	26 oz
100 PPM	20%	205 oz	51 oz
200 PPM	40%	153 oz	102 oz
250 PPM	50%	128 oz	128 oz
300 PPM	60%	102 oz	153 oz
500 PPM	100%	Full Concentration - Do not dilute	

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# 1 (877) 693-9224

## CONTACT US AND REQUEST MORE INFORMATION ON OUR SURFACE WASH

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Contact Info: visit [www.weatherskin.com/contact](http://www.weatherskin.com/contact) today to request more information or to find your closest licensee / product supplier.



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