

Chlorine Dioxide RED

Use Site	Formulation/ EPA Reg No.	Method of Application	Application Rate/ No. of applications	Use Limitations
Lube Additive for Moving Conveyors and Chains	Soluble concentrate: 74602-3, 21164-3	Inject into distribution system	10- 20 ppm	Preclean and sanitize all conveyor surfaces and associated structures
Canning Retort and Pasteurizer Cooling Water	Soluble concentrate: 70060-6, 74602-2, 70060-16, 53345-14, 9150-7, 9150-8, 46207-5, 5382-46	Controlled Chemical Feed Pump	0.1-5ppm	None stated
Food handling/ Storage establishments premises and equipment				
Stainless Steel Transfer Lines, Hydrocoolers and Pasteurizers	Soluble concentrate: 70060-6, 74602-2, 5382-46	Mix and fill lines and Equipment overnight	20 ppm	Preclean equipment or line thoroughly
Process Water for Vegetable Rinses, Tanks Lines	70060-6, 5382-46	Chemical Feed Pump or injector system	5 ppm	Preclean all tanks, flumes and lines with suitable detergent.
Fruit and Vegetable Rinse	Soluble concentrate: 45631-22, 45631-20, 74602-2, 45631-19, 53345-	Immersion, spray	1/3 fl. to 1 gallon of water per 25 gallons of water 3-5 ppm	Prewash whole fruits and vegetables with clean potable water.

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	20, 56485-4, 45631-22, 69151-5, 9150-7, 9150-8, 21164-21, 45631-19, 5382-46 79814-3			
Ice Making Plants and Machinery	Ready to use: 70060-13	Hang or place the sachet in the ice chamber out of direct contact with water or ice	50 to 200 g sachet per 100 to 400 lbs per day	None stated
	Soluble concentrate: 5382-46	Chemical Feed Pump or Injector System	20 ppm	None stated
Human Water Systems				

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Potable Drinking Water	Soluble concentrate: 53345-14 53345-19 53345-20 53345-22 69151-5 69151-3 70060-6 9150-7 9150-8 21164-6 21164-8 21164-9 21164-21 74602-2 5382-41 5382-42 5382-45 5382-46 74517-2 74517-1 53345-21 74602-1 79814-3	Metering Pump 1 mg/ liter (1ppm) or less 1 gallon per 100,000 gallons of treated water	1 mg/ liter (1ppm) or less 1 gallon per 100,000 gallons of treated water	None Stated
		None stated	5 ppm	None stated
	Ready to use: 70060-22	Tablet	1 tablet per liter of water. Four hour treatment time.	None stated

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Water Storage systems aboard Aircraft Boats, RV's Off-shore Oil Rigs	Soluble concentrate: 74602-2 5382-46	Add to tank and lines	50 to 500 ppm available chlorine dioxide	None stated
Human Water Systems				
Municipal Well Waters	Soluble concentrate: 53345-23 55050-1 55050-2 70060-6 46207-5 74602-2 5382-46	None stated	1 ppm	None stated
Commercial, institutional and industrial premises and equipment				
Non-Porous, Non-food Contact, hard surface sanitizer	Soluble concentrate: 74986-1, 53345-13, 70060-19, 45631-15,	Dilution device or sprayer	100 ppm-200 ppm	
Odors on Pets, Litter Boxes, Carpets and Concrete Floors	Soluble concentrate: 70060-6, 70060-4	Soak, Mop or rinse	For litter boxes: 625 – 650ppm For carpets: 500 ppm	Avoid direct contact with animal's eyes, nose and ears

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			Concrete floors: 1250 ppm Animal Baths: 80-100 ppm	
Residential				
Bathroom surfaces, shower stalls, curtains, laundry rooms, hampers and other non specified surfaces for mold and mildew control.	Soluble concentrate 74602-2	Spray, fog, pour, wipe	Dilute 13 fl. oz. solution as needed 5 minutes surface contact	After 30 minutes rinse with water
De-oderizer pouches for Refrigerators, Shoes, Gym Basements, Lockers, Laundry Hampers, Automobiles, Boat Cabins, athletic bags, trash cans pet areas, etc.	Ready to use Solution , Impregnated Materials 9804-10 70060-12	Hang or place sachet (deodorizing pouch)	5 to 200 grams sachet for use from 1 week to 2 months	None Stated.
Carpets	Ready to Use Powder 4822-512	Sprinkle on Carpet	2.5 oz per square yard.	Keep Children and pets off treated areas during application and until area is vacuumed.
Medical premises and equipment				
Hospitals, Laboratories and Institutions Hard Non Porous surfaces (Tile floors, Walls and Ceilings and Stainless	Soluble concentrate: 74602-2, 69151-1, 69151-5	Spray, Mop or sponge	Working Solution containing 300 to 500 ppm available Chlorine Dioxide	Clean all surfaces with a suitable detergent and rinse with water prior to disinfection.

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Steel Cold Rooms)				
Treatment of infectious medial waste (prior to disposal in a in a conventional solid waste landfill)	Soluble concentrate: 69972-1	Approved application system	None listed on label	None stated
Water Bath Incubator	Soluble concentrate: 74602-2, 70060-6	Pour solution into waterbath reservoir	Working Solution containing 300 ppm available Chlorine Dioxide to disinfect 50 ppm for odor and slime control	Clean reservoir with a suitable detergent and rinse with water prior to disinfection
Sterilization of Spent Biologicals in Steam Autoclaves	Soluble concentrate: 70060-6	Spray or pour directly into autoclave buckets	Working Solution containing 1,000 ppm available Chlorine Dioxide	None Stated
To Deodorize Animal Holding Rooms, Sick Rooms, Morgues and Work rooms	Soluble concentrate: 70060-6	Spray solution on to walls ceilings and floors	Working Solution containing 1,000 ppm available Chlorine Dioxide	Rooms to deodorize should be in a clean condition prior to autoclaving.
Swimming Pools				