

New Generation 2-part Chlorine Dioxide

Item No:	B004
Proprietary Name:	Higher Purity Disinfection Powder
Main Ingredient:	32.5% of Chlorine Dioxide
Package:	1 batch 160g/bag(A+B) × 50 batches/box
Validity:	Two years

Features:

1. ClO₂ is WHO, EPA-approved for both pretreatment and final disinfection of potable water. It eliminates such microorganisms as escherichia coli and other coliforms, listeria, staphylococcus aureus, giardia cysts, algae and salmonella.
2. ClO₂ has consistently been shown to be the best molecule for eradicating the causative organism of Legionnaires disease.
3. ClO₂ effectively removes hard water components i.e. iron and manganese, promotes flocculation, and aids in the removal of turbidity.
4. ClO₂ does not combine with organics to form suspected carcinogens such as THM's or haloacetic acids (HAA's).
5. ClO₂ provides a lasting residual throughout the distribution system to reduce or eliminate the subsequent growth of bacteria, viruses, and algae.
6. ClO₂ is ideal for industrial water systems and community water purification plants. ClO₂ is also ideal for smaller water supplies such as cisterns and hospital water systems.

Application:

1. Tap water, water towers, wells, water supply, food and beverage production water treatment.
2. Process water, industrial circulating water, air-conditioning water disinfection and removal algae.
3. Fisheries and Livestock Farming in the industry, sterilization and water treatment.
4. Meat, vegetables and fruits, sterilization, preservation, corrosion, particularly eaten directly fruits and vegetables for a better effect.
5. Food, pharmaceutical and other industries pipes, containers and industrial equipment of surface disinfection; Production environment and air sterilization, mildew, odor.
6. Public environment, disinfection, mold and odor.
7. Food production, retail, medical and health industries operator's hand, footwear, clothing, utensils, disinfection.
8. The hospital medical devices, equipment and environment, disinfection, sterilization mildew.

Storage and Precaution:

1. Seal and prevent moisture, keep away from heat/sun light, below 35°C.
2. Use in short time when you open the unit inner package.
3. Glass or plastic container with opened cover should be used for making disinfection liquid.
4. This product with high concentration has bleaching ability, avoid contact with clothing. If its contacts the eyes, flush immediately with clean water.

Usage and Dosage:

- Put 2.5 liters of water into plastic barrel firstly, then put 1 batch of powder into water, slight stirring and immediately cover container lid, powder will dissolved completely(10-30 minutes),the solution color from colorless to yellow green, concentration about 20000mg/kg, this solution called mother liquid.
- The actual use concentration as refer to follow sheet.

(1) Water Treatment

Objects	Using Concentration (mg / kg)	Treatment of Water Quantity (bag/t)	Method
Tap water, drinking water Secondary water supply	0.2-0.8	62.5-250	Put into water equably after activated mother liquid.
Food and beverage process water	0.2-0.3	150-250	
Industrial recycle water disinfection, removal algae	2-5	10-25	
Aquaculture	0.01-0.02	2500-5000	
Sewage water	5-20	2.5-10	

(2) Daily Disinfection:

Objects	Using Concentrations (mg/kg)	Added Water (dag/kg)	Disinfection Time (minute)	Method
Food & Beverage pipeline	50-100	500-1000	10-20	washing or soaking
Pure water, mineral water barrels	200-250	200-250	10-20	high-pressure washing
Beverage bottles, caps	150-200	250-300	5-10	immersion
Workshops, warehouses, environment and air disinfection	10000	5	240-480	fumigation, 20,000 m ³
	50	1 000	240-480	spraying, 20,000 m ³
Workshop entrance disinfection pool	50-100	500-1000	—	mother liquid diluted with water before use
Overalls, shoes, hats, towels	50-100	500-1000	15-20	soaking
Ice cream, popsicles and other disk mode	50-100	500-1000	overnight	soaking
Operator's hand	50-100	500-1000	1	immersion
Vegetables, fruits, sterilization ,preservation	100-200	250-500	2-5	rinse with water after soaking