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# Chlorine Dioxide for Poultry & Livestock Disinfection Instruction

## <Brief Introduction of Chlorine Dioxide Disinfectant>

This product is a new type stable chlorine dioxide powder disinfectant. It is soluble to water, and the solution can be directly used. This product has many advantages over the traditional chlorine disinfectant and other disinfectant on market like multiple times sterilization effect, broad spectrum, high efficiency, safety, no residue and no side effects of allopathic medicines. The product can destroy enteric pathogen, pyogenic bacteria and bacteria spore; and prevent the spread of epidemic in livestock area. And also this new type product can effectively combat virosis and bacteriosis like aftosa, livestock influenza, Newcastle, swine fever, pleuropneumonia, duck plague, and ect. Besides, it has the function of decontamination, fishy smell and odor removal.

## <Usage & Dosage>

### Mother Liquid Preparation

Add 500g powder to 20kg water (DO NOT ADD WATER TO POWDER/), stir for 5 to 10 minutes to completely dissolve. This solution is 2000mg/L. The mother liquid can be diluted and applied according to the following chart.

Disinfection Object	Concentration (mg/L)	Usage
Drinking water	1	Add the 1mg/L solution to water supply pipes
Water supply pipes	100-200	Add 100-200mg/L solution to empty pipes, disinfect for 20 minutes and swill
Livestock Shelter disinfection and deodorization(floor, walls, feeding trough, utensil)	100-200	Scrubbing or spraying
Hatchery and other appliance disinfection	40	Spray to moist
Hatching egg Disinfection	40	Soaking for 3 to 5 minutes
Chick housing disinfection	70	Spray, dosage50g/m <sup>3</sup> ,put into use after 1 to 2days
Milking workshop, storage facilities	40	alkali washing-water washing-acid pickling, soaking in the solution for 20 minutes

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Transport vehicle	100	Spray or scrubbing
Livestock and poultry body surface disinfection	20	Spray the surface to moist,once a week
Medical equipment and appliance disinfection	30	Soaking for 30 minutes and swill by sterile water
Clinic area	70	Spraying, dosage 50g/m <sup>3</sup>
Epidemic Period	Dead bodies 500-1000	Spraying to disinfection and treat safely
	Other fields disinfection, the dosage should be twice than usual disinfection	

**<Notes>**

1. This product is hygroscopic, it will deliquesce and lose efficacy when exposed to air. It should be finished at a time when package is open.
  2. Slowly add the powder/tablet to water (DO NOT ADD WATER INTO POWDER/TABLET).
  3. Do not store or transport the products when there are packaging damages; and do not store or transport the products together with acid content; avoid damp.
  4. Store the products in cool and dry places, seal and keep it away from sunlight.
  5. Place the products out the reach of children
  6. Do not scatter the chlorine dioxide directly to soil, or it will reducing disinfection effect.
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