



PureOx™

CHLORINE DIOXIDE  
TABLETS

**DISINFECTION MADE ECO-FRIENDLY, SAFE & EASY**

**Pure Water Enterprises Pvt Ltd.**

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## Why Chlorine Dioxide?

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**Destroys biofilm completely at source:** Biofilm removal is the most important part of an effective water treatment system. Without it, it is simply not possible to have a safe, effective, pathogen free environment.

**Effective against complex organisms:** Chlorine Dioxide has been found to be effective against complex organisms such as cysts and protozoa including *Cryptosporidium*, *Giardia* and amoeba.

**Lower biocidal concentration:** Some biocides require very high concentrations to produce the required disinfection impact. Where Hydrogen Peroxide has been promoted as a biocide for water treatment, dose rates can be up to 30 times the equivalent Chlorine Dioxide dose rate to achieve the same disinfection impact.

**Disinfection By-products:** High concentrations of certain biocides can cause environmentally persistent, potentially carcinogenic by products to form, including Trihalomethanes, Chlorinated Organics and Bromate. Chlorine Dioxide does not react to form complex organic by products.

**Effective across the PH range:** Chlorine dioxide is effective at all pH's below 12. By contrast, Chlorine is almost ineffective above a pH of 8.

**Less corrosive:** Chlorine Dioxide has a lower oxidation potential than all other widely used biocides, does not hydrolyse to form an acid, and therefore is less corrosive.

**Lesser Contact-time:** It effectively kills all pathogens in water with a relatively short CT (Contact Time) as compared to chlorine.

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# PureOx™

## High Quality Chlorine Dioxide Tablets

Effective against bacteria, fungi, spores and viruses

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PureOx tablets are a unique advanced delivery system which generate high quality Chlorine Dioxide in an aqueous solution which is to be directly dosed as a drinking water disinfectant for various applications.

PureOx tablets have unrivalled disinfecting power, greater selectivity to target biological contaminants, and significantly fewer environmental side effects than other biocides. It is a more accurate alternative to bleach and chlorine tablets.

PureOx delivers all of the power of ClO<sub>2</sub> in an easy to use package, and requires no dosing systems or two- part mixing to apply. Available in a convenient range of tablets and pre- packed pouches. Complicated formation of solution is a thing of the past!



### **EASY TO USE**

Simply add tablet to required volume of water, no dilution calculations are required.



### **POWERFUL**

Much lower dose rates and surface corrosion than other oxidising biocides.



### **VERSATILE**

High level proven disinfection in various industries such as drinking water, poultry, swimming pools, fruits & vegetables washing, etc.

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## PureOx ClO<sub>2</sub> tablets - **Industrial Applications**

- Drinking water disinfection
- Poultry disinfectant
- Swimming pool disinfection
- Fruits & Vegetables washing
- Disaster response
- Algae & biofilm control
- Wastewater treatment
- Sterilisation of equipment
- Power plants & cooling towers
- Poultry meat processing





# How to prepare the solution?

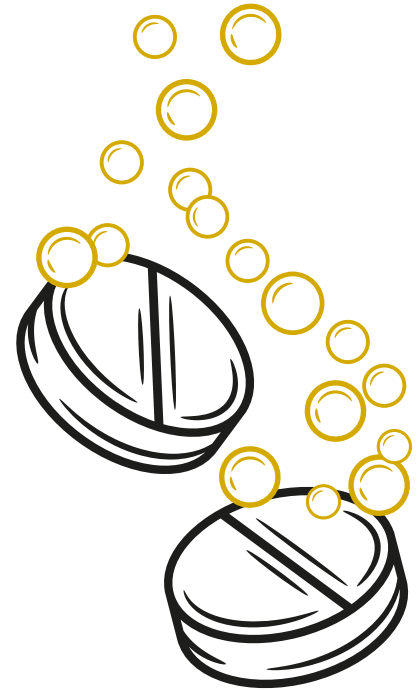
**STEP 1** - Drop the PureOx Chlorine Dioxide tablet into water.



**STEP 2** - Let it dissolve in water. Do not stir/agitate, as the effervescent tablet will dissolve homogeneously (wait for 3 mins).



**STEP 3** - Spray/Wipe or dose at the desired point of disinfection.



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## Dosing/Preparation Calculations

**NOTE** - 1 gram PureOx tablet generates 10% ClO<sub>2</sub> solution

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- 10% 1gram tablet in 1L water generates 100ppm ClO<sub>2</sub> solution
- 10% 4gram tablet in 1L water generates 400ppm ClO<sub>2</sub> solution
- 10% 10gram tablet in 1L water generates 1000ppm ClO<sub>2</sub> solution
- 10% 20gram tablet in 1L water generates 2000ppm ClO<sub>2</sub> solution
- 10% 100gram in 1ton water generates 10ppm ClO<sub>2</sub> solution
- 10% 200gram tablet in 1ton water generates 20ppm ClO<sub>2</sub> solution

\*Our technical team is always available to help you understand the calculations and guide you on how to use our tablets for your desired application

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# PureOx<sup>TM</sup>

## CHLORINE DIOXIDE

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FRIENDLY, SAFE & EASY

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**PURE WATER**

Pure Water Makes Life Better

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