



PureOxTM

CHLORINE DIOXIDE

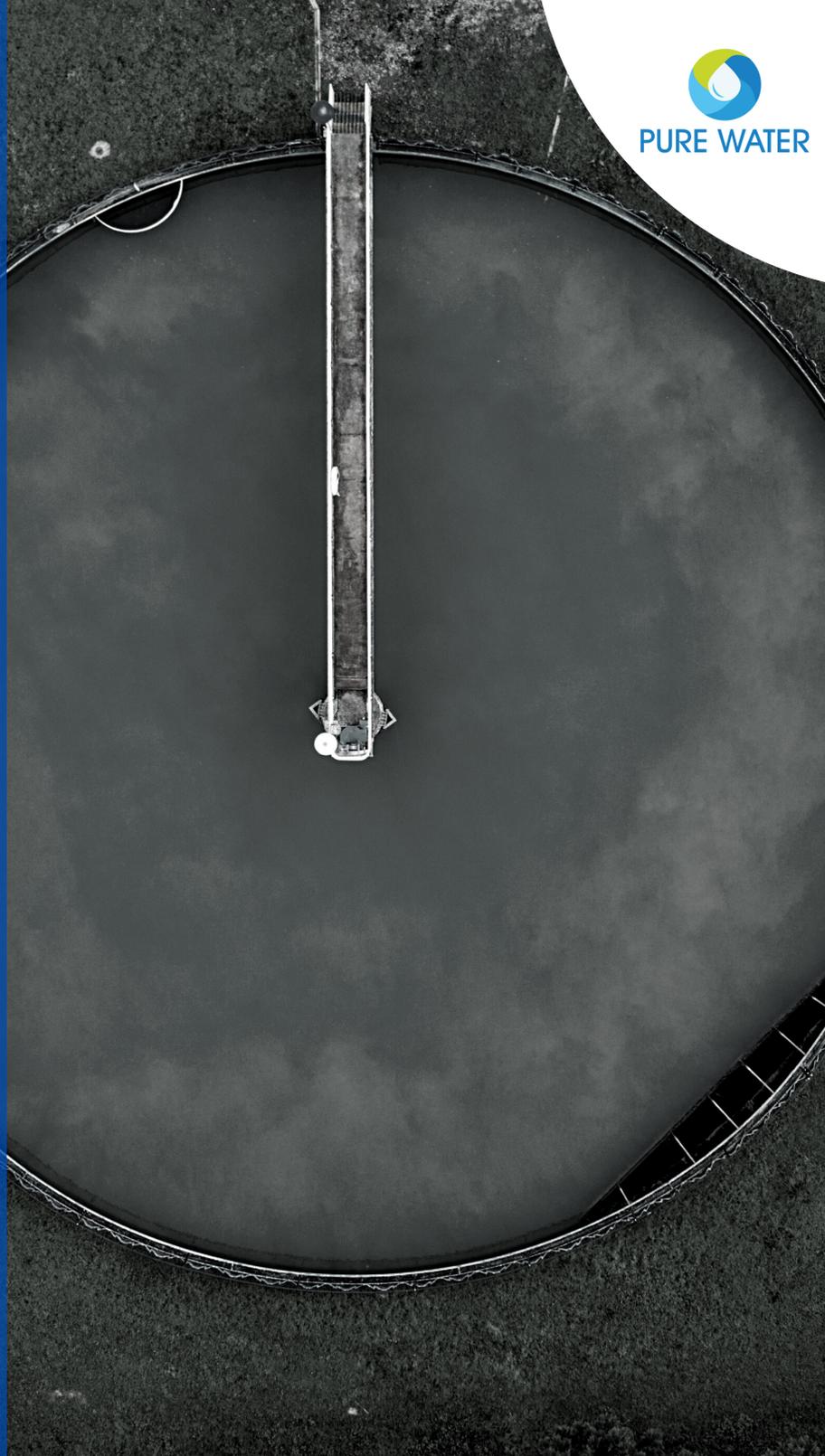
**DISINFECTION MADE
ECO-FRIENDLY, SAFE &
EASY**

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ABOUT US

- Leader in water and wastewater technologies in Western India
- 1500+ satisfied customers over a span of 24 years
- Problem solving work culture
- Advanced R&D facilities harboring innovative solutions



WHAT IS PureOx?

- PureOx Chlorine Dioxide Powder is a very powerful disinfectant for water treatment.
- It is supplied as a two component product: Component A and Component B. It comes in a 1 kg packet.
- It is a two component powder kit delivering 99.99% pure 0.5% chlorine dioxide solution.
- As a concentrated ClO₂ solution, it gives **5000 ppm** in a solution of **50 liters** from **1kg** of the product.
- It is a perfect replacement to harmful chlorine, resulting in an environmental friendly approach.

WHY PureOx?

Chlorine Dioxide has been proven to offer a reduced whole-life cost when compared with competing technologies, such as chlorination, ozone, and other hypochlorite treatments, due to its powerful mode of action, low dose rates, and superior environmental performance.

LEAVES NO HAZARDOUS RESIDUES

It doesn't form THM's, Haloacetic acids and other organic compounds like chlorine which are cancer causing and are known as carcinogens.

HIGHER OXIDISING CAPACITY

Chlorine dioxide has a higher oxidising capacity as compared to other biocides making it more effective. It has 2.6x the capacity of chlorine

LESSER CONTACT TIME

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

HIGH SOLUBILITY IN WATER

One of the most important qualities of chlorine dioxide is its high water solubility. It is approximately 10 times more soluble in water than chlorine.

BROADER pH RANGE

Chlorine dioxide is effective over a pH range of 2-12, with no loss of activity. On the other hand, chlorine is effective up to only 8.5pH.

EFFECTIVE AT LOW DOSAGE

The process of "selective oxidation" allows Chlorine Dioxide to be targeted where it is needed most, disinfecting areas quickly and at low dose rates compared to chlorine and other biocides.

DESTROYS BIOFILM AT SOURCE

Chlorine dioxide is extremely effective at destroying biofilm which hampers the water treatment process.

LESSER CONTACT TIME

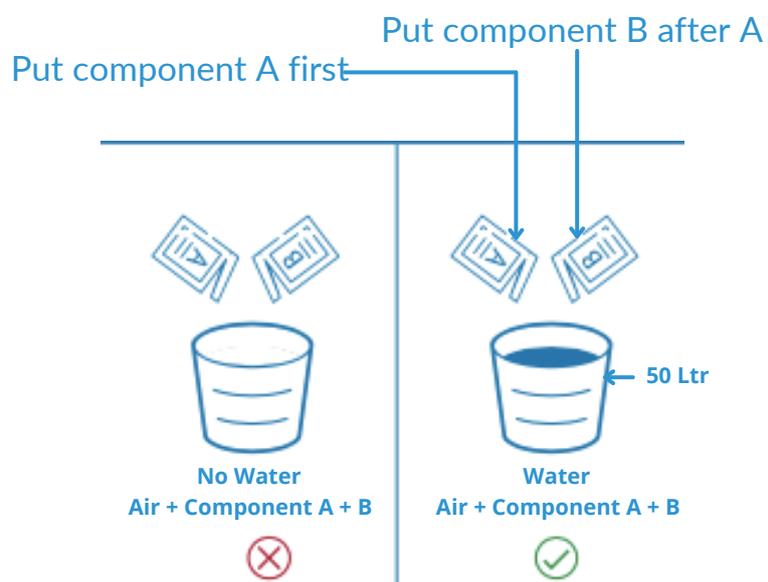
Chlorine Dioxide has a lower oxidation potential and does not hydrolyse to form an acid, and therefore is less corrosive than chlorine.

PREPARING THE SOLUTION

(From 1kg PureOx)

COMPONENT A & **COMPONENT B**

To be used together for a
50 Ltr solution
(5000 ppm)



USAGE

- We supply two component powder kit in well packed & sealed pouches : Component A (PureOx) and component B (Activator) along with a user guide.
- Dosing capacity of 1 litre of solution is calculated as:

PureOx 0.5% = 5 gram ClO₂ per liter = 5000 ppm

$\frac{\text{Volume of water to be disinfect} \times \text{dosage rate}}{5000 \text{ ppm}} = \text{Activated Clo}_2 \text{ solution}$

INDUSTRY APPLICATIONS



FOOD & BEVERAGES



COOLING TOWER



DRINKING WATER



PAPER & PULP



WASTEWATER TREATMENT



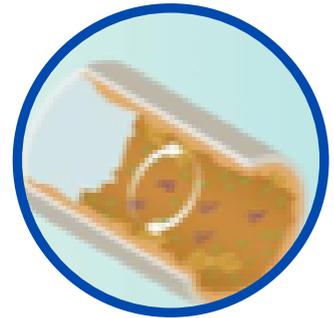
POULTRY



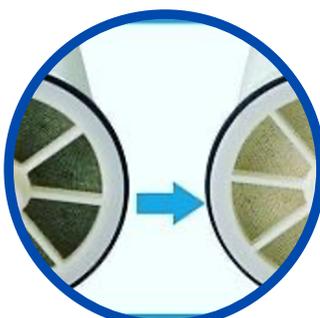
DAIRY



SHRIMPS



BIOFILM REMOVAL



MEMBRANE CLEANING



ODOR REMOVAL



SANITIZATION