



NARSIPUR

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INSTA-DIOX

(Stabilized chlorine dioxide)

INTRODUCTION

INSTA-DIOX is an effective specialized biocide based on stabilized chlorine dioxide for use in water sanitation, It also finds application food processing and for odour control. **INSTA-DIOX** is a very potent and powerful, non-toxic, bactericidal, fungicidal, virucidal, sporicidal biocide activated by the use of ACTIVA (activator). It provides a clean water distribution system at concentrations as low as 0.1ppm over a wide range of pH. INSTA-DIOX penetrates the cell wall and reacts with vital amino acids in the cytoplasm. Subsequently, it destroys proteins and cell structure by bursting the nucleus thereby ensuring total cidal effect and not allowing resistant / mutant stains to develop. Use of INSTA-DIOX offers benefits such as first functioning as an oxidative rather than chlorinating reaction. This virtually eliminates the formation of chlorinated organic compounds. Secondly ClO₂ is generated on site thereby eliminating the need for site storage of chlorine and or transportation thereof.

ACTIVE INGREDIENTS

Chlorine dioxide in aqueous base

DIRECTIONS OF USE

PREPARATION OF STOCK SOLUTION

In a clean one litre opaque bottle, add 10ml **INSTA-DIOX** and fill up the bottle. Add 10 ml of the ACTIVA activator and close the bottle. Keep the bottle in a clean and dark place for about 6 - 8 hours.

DOSAGE

2-3ml in 1 ltr, of water for use as as a water sanitizer Example: For preparing 2 ppm dose: use 2 ml of stock solution per 1 litre of water.

APPLICATION

Drinking water treatment
Food processing, Dairy, Breweries industries
Disinfection wall & ceiling
Foot bath
Vegetable Rinse
Fruits & vegetable to extend freshness & shelf life
Odor control in ice making plant/machinery

REQUIRED CHLORINE DIOXIDE

5 -10 ppm
50 -100 ppm
500 ppm
1000 ppm
5 ppm
1 ppm
20 ppm

ADVANTAGES

1. High antibacterial broad spectrum activity at low concentrations
2. Rapid activity hence requires less contact time
3. Safe, non toxic and easy to use
4. Environment friendly
5. Effective against bio-films
6. Biocidal activity over a wide pH range
7. Very economical

PRECAUTIONS FOR STOCK SOLUTION

1. Avoid direct exposure of the solution to heat and light, keep in a cool shady place
2. Use the prepared stock solution within 48 hours
3. During preparation of the stock solution use INSTA-DIOX followed by water and then the activator in that order.

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