

# Cidox™

Chlorine Dioxide Disinfection Tablets

DISINFECTION ON DEMAND





## Cidox™ In Action

- **Agriculture:** disinfectant, equipment sterilisation
- **Disaster response:** eliminating mould and mildew from floods and damaged areas
- **Food processing:** surface and utensil sterilisation, washing fruit, vegetables and utensils
- **Disinfection:** drinking water tank cleaning
- **Infection control:** bacterial or viral outbreaks such as MRSA or Norwalk (Winter Vomiting Virus)
- **Laboratory:** equipment sterilisation
- **Health spas:** sterilisation of equipment and service areas



# What is Cidox™?

Cidox™ is the preferred disinfectant for applications around the world, being safer, more effective, more convenient and cheaper to use than chlorine (bleach) based products.

Based on the powerful action of Chlorine Dioxide (ClO<sub>2</sub>), Cidox™ has unrivalled disinfecting power, lower corrosion rates, greater selectivity to target biological contaminants, and significantly fewer environmental side effects. It is a fast-acting, highly convenient, and more accurate alternative to liquid bleach and chlorine tablets.

Cidox™ delivers all of the power of ClO<sub>2</sub> in an easy to use package, and requires no dosing systems or two-part powder mixing to apply. Available in a convenient range of tablets and pre-packed pouches, complicated dilution rates and messy liquid mixing are a thing of the past.

Cidox™ Range



## How it Works

Chlorine Dioxide (ClO<sub>2</sub>) is chemically dis-similar and acts differently to chlorine. The ClO<sub>2</sub> disinfecting molecule produced by Cidox™ is not sensitive to high pH environments, and has more than 2.6 times the oxidation capacity of chlorine and other commonly used disinfectants.

ClO<sub>2</sub> has low oxidation strength, meaning that its biocidal power is not wasted on attacking inert organic contamination, which in the case of chlorine leads to the formation of environmentally hazardous chlorinated organic compounds, such as Trihalomethane (THM) and Haloacetic Acids (HAA). ClO<sub>2</sub> allows for more accurate application as the biocide is targeted where it is needed most.

Cidox™ offers the ideal balance of disinfection strength and selectivity, and is effective against the widest range of bacteria, fungi and spores, in the most challenging environments.

### Oxidation Strength (Corrosion)

Ozone	2.07
Hydrogen Peroxide	1.78
Hypochlorous Acid	1.49
Hypobromous Acid	1.33
<b>Chlorine Dioxide</b>	<b>0.95</b>

### Oxidation Capacity (Disinfection Power)

Ozone	● ●
Hydrogen Peroxide	● ●
Hypochlorous Acid (chlorine bleach)	● ●
Hypobromous Acid (bromine)	● ●
<b>Chlorine Dioxide - Cidox™</b>	● ● ● ● ●

## Key Features

- ✓ **Easy to use**  
Simply add tablet to required concentration of water
- ✓ **Powerful**  
Lower dose rates and corrosion
- ✓ **Works in challenging conditions**  
Not sensitive to high pH environments
- ✓ **Reduced environmental hazards**  
No chlorinated organic compounds
- ✓ **Multi-purpose**  
Proven as effective against bacteria, fungi and spores



Cidox™ 300



### Cidox™ 300

Supplied in a convenient tube of 20 tablets, add one Cidox™ 300 tablet to 25 litres of water for use as a general area disinfectant. For sterilisation use, add one tablet to 5 litres of water, for high-level sterilisation of instruments and utensils in laboratories and food processing environments. Add one tablet to 1 litre to make a strong disinfecting solution suitable for spot and high level spray disinfection applications.

Cidox™ 2000



### Cidox™ 2000

Cidox™ 2000 tablets are an ideal solution for the disinfection of spas and baths, and are also used for batch food processing applications, for the washing of herbs, vegetables and fish prior to further processing.

Cidox™ 10000

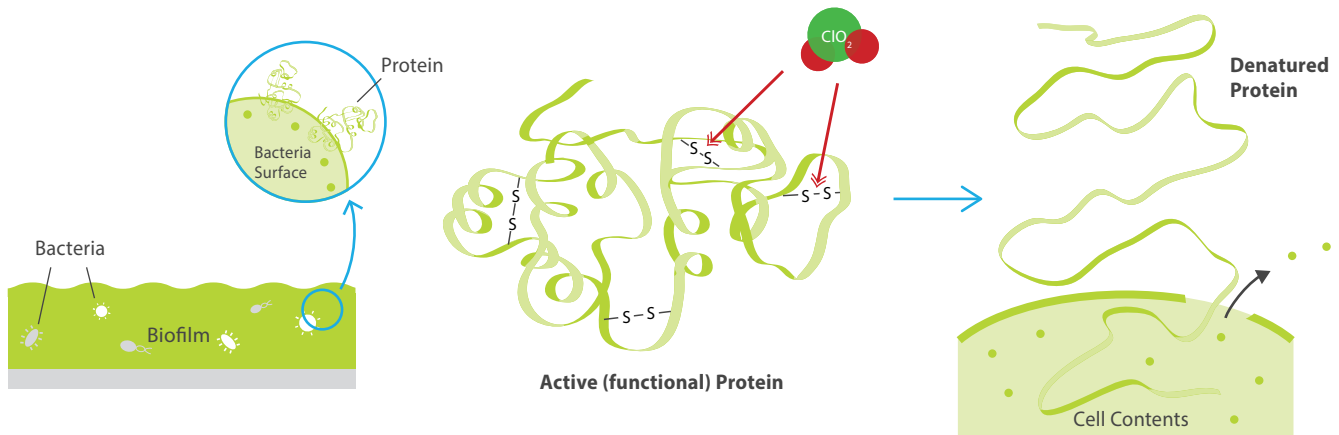


### Cidox™ 10000

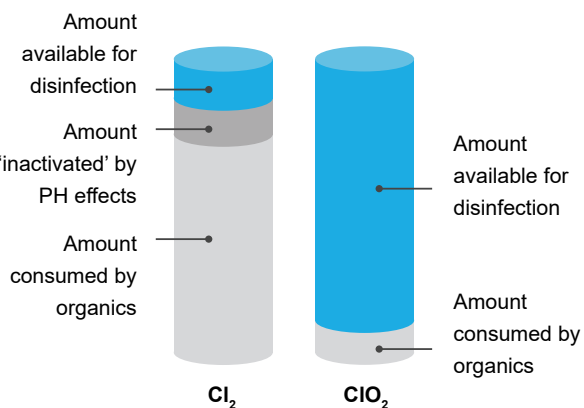
Bulk Cidox™ 10000 tablets are intended for use by water treatment professionals, and are supplied for the disinfection of large quantities of water, and specialist tank disinfection and agricultural applications.

Use Cidox™ Safely. Always Read the Label and Refer to the Technical Data Sheet for detailed information on usage scenarios, dilution rates and general safety advice.

## Proven Performance



Chlorine Dioxide ensures that the biocide is targeted directly on the active proteins found on the bacterial cell surfaces, saving disinfection time and costs. It means considerably lower dose rates are required, further improving safety and ease of use, whilst minimising environmental impact. Cidox™ is a reliable disinfectant with proven performance.



Cidox™ tablets have been independently proven to pass the exacting European Test Standards EN1276 and EN13697, ensuring:

> 99.999% kill of test bacteria in suspension

> 99.99% kill of test bacteria on surfaces

> 99.9% kill of test fungi on surfaces

Refer to the Technical Data Sheet for more information and applicable dilution rates.



### Lower Costs

- No up-front investment in dosing equipment
- Less wastage - make up disinfectant on demand
- Minimal transportation costs

### More Effective

- Fast acting disinfection saves time
- 2.6 times more powerful than chlorine
- Effective against a broad spectrum of pathogens

### Easier to Handle

- Unique tablet formulation
- Convenient, ready to use ClO<sub>2</sub> - small and handy packaging
- No mixing of powders or liquids and no dust particles
- Save space - no need to store different chemicals on site



Scotmas Group are world leading manufacturers of Chlorine Dioxide products and dosing systems. Scotmas were the first Company to produce simple, easy to use Chlorine Dioxide products and equipment. With over 30 years' experience, our friendly and approachable team of chemists, microbiologists, engineers and project managers are able to provide "off the shelf" products or a complete turnkey service.

Choose Scotmas for expertise in Chlorine Dioxide solutions.

## Scotmas Group

Purify • Protect • Perform

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Use biocides safely. Always read the label and product information before use.