

WHAT IS TWINOXIDE WHY DO I NEED TWINOXIDE WHERE IS TWINOXIDE USED





WHAT IS TWINOXIDE

TwinOxide is a unique, delivery system of two solid components.

Once powder Component A and Component B, are added to water they will generate 99.9% pure, and stable Chlorine Dioxide aqueous solution.

TwinOxide is available as powders and as tablets for smaller applications.







WHAT IS TWINOXIDE

The "Chlorine Dioxide" molecule (CIO₂) was discovered in the 19th century as an extremely powerful disinfectant.

Over time there are several way's developed to produce Chlorine Dioxide.

Experts agree that Chlorine Dioxide is, the most effective and safe disinfectant available on earth.



WHY DO I NEED TWINOXIDE

The Center for Disease Control and Prevention estimates that in the US alone, infections are the cause of 99,000 deaths.

Many organisms that cause infections can linger and survive on surfaces who is able to make a distinction between cleanliness and hygiene?

Given the growing problem of antibiotic resistance, environmental cleaning and **disinfection** can play an **important** role in helping to prevent the spread of antibiotic-resistant bacteria.



WHY DO I NEED TWINOXIDE

Many chemical and mechanical concepts have been tested and evaluated but with only limited results or new problems to be tackled.

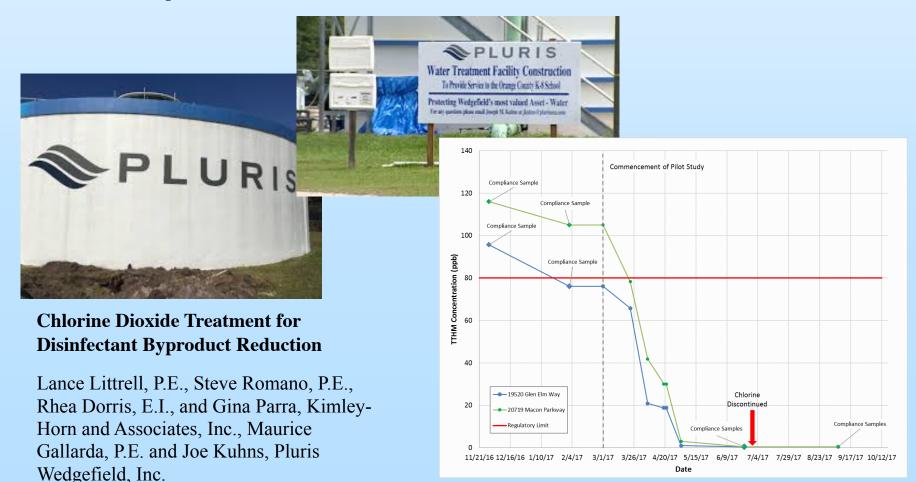
The most commonly used disinfectant is Chlorine.

For more than a century, the addition of Chlorine to drinking water has been saving millions of lives by destroying the germs in unsafe water sources.

However, Chlorine does involve safety, environmental and serious health related risks and effects.



Municipal Water Treatment





Industrial Water Treatment



Cooling Water Microbiological Control Process Water Microbiological Control Waste Water Disinfection Reverse Osmosis Bio Fouling Control



Odor Control
Iron and Manganese Removal
Phenol Oxidation and Cyanide Destruction
THM Control



Pulp and Paper Industry





White Water Slime Control
Iron Control
Bleaching of Specialty Papers
Waste Water Disinfection
Cooling Water Efficiency
Microbiological Control
Algae Control



Textile Industry



Wientjens / Ecolab / TwinOxide

Carnival Cruise line

TwinOxide no TwinOxide





Oil and Gas Industry



Microbiological Control of Oil Wells and Bores

Sulphide Destruction

Pipeline and Tank Cleaning

THM and Biofilm Control



Wastewater Disinfection

Removal of H₂S and Phenolic Compounds





Desalination



Bio fouling control at the inlet of RO membranes.

TwinOxide contains 0% Chlorine
TwinOxide will not damage membranes





Cooling Towers





Algae Control

Bio Film Removal / Legionella Control

Efficiency Recovery

Odor Control

Non Corrosive

Less Chemicals

No Chlorine

No Corrosion Inhibitors

No pH Correction





Food and Beverage





Production Line Disinfection

Carbon Filter Regeneration

THM / HAA Elimination

Odor Control (amines, sulphur compounds)

Sanitation (Cleaning In Place)

Microbiological Control



WHERE IS TWINOXIDE USED Life Stock

Healthier for Animal and Human
No slime forming on drink systems
Dry stools
Drink more eat less
Gain more weight at less cost
No Carcinogenic by products
Top Quality Meat Production









Meat and Poultry Processing





Production Tools Sanitation

Production Line Sanitation

Cutter Sanitation

Carcass Spraying

Chilled Water Disinfection (Chlorine free)

Cleaning in Place



Fishing Industry







Used in Ice Production
Processing, Transport, Retail Outlets
Prolongs Shelf-Life.
Disinfection
Fish Ponds, Floors, Equipment,
Instruments
Controls and Reduces the
Biological Load in Effluent Water



Horticulture

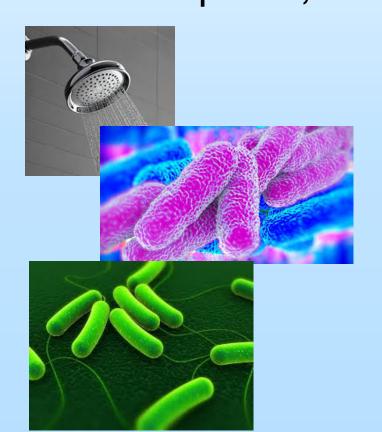




Root Rot Prevention
Algae Control
Mildew and Fungus Control
Nematode Eradication
Root Growth Propagation
Disinfection of Irrigation Water



Commercial and Institutional Hospitals, Hotels, Buildings, Offices



Microbiological Control

MRSA Disinfection

Cleaning In Place

Hot and Cold Water System

Sterilization

Legionella Control



Pool's and Spa's





Algae Control

Non Corrosive

Elimination of Odors (Chloramines)

THM control (Brown Scum)

Increased Pool Aesthetics

Swimmer Comfort

No More Red Eyes

No Bleaching of Clothing



Marine Industry







Technical Water Disinfection Cooling System Disinfection Legionella Control **Drink Water Disinfection** Pool's and Spa's Disinfection Nora Virus Control Kitchen Sanitation Fruit and Vegetable Disinfection **Laundry Disinfection**



Recreation Industry



Drinking Water Disinfection

Tank Disinfection
Algae Elimination
Bacterial Control
Odor / Taste Control







