

OXIDIZING CHLORIDES TO CHLORINE

OXYDES[®] - P

MICROBIOLOGICAL OXIDATION

**Generates Chlorine in Water containing
CHLORIDE IONS**

**Without
Expensive Electrolysis of NaCl**

Watch-Water[®] presents –
A new methodology of Green
Chemistry that has several
Advantages over the **Salt Generators**.

On the next page we will discuss the
operation of Salt Generators. It is a
well known fact that creation of
Hydrochloric Acid makes the treated
drinking water very Corrosive.

Watch-Water[®] inexpensive reagents
and the use of H₂O as a sole solvent,
reaction at the room temperature
(not higher than 90°C) and short
reaction time to kill any microbiological
contamination via Electrochemical
reaction.

Oxidation reaction promoted by
OXYDES[®]-P has several advantageous
characteristics.

Oxidation of contaminants
using **OXYDES[®]-P**

- Aromatic Aldehydes
- Disinfection
- Control of Microorganisms
- Removal of ammonia
- Control of taste and odor
- Color reduction
- Destruction of Organic Matter
- Hydrogen Sulfide Oxidation
- Iron and Manganese oxidation
- Pool and Spa application
- Cooling Tower shock-treatment
- Oxidizing Antimicrobials
- Other uses and effects of
OXYDES[®]-P

OXYDES[®] - P

OXIDIZING CHLORIDES TO CHLORINE

Active OXYDES[®]-P

- **OXYDES[®]-P** is a term used to describe a Powerful Oxidizer ($\bullet\text{OH}$) derived from normal salt and water ($\text{NaCl} + \text{H}_2\text{O}$) and it is very much different from producing Oxygen (O_2) derived from Hydrogen peroxide (H_2O_2).
- **OXYDES[®]-P** creates high energy into the water which breaks apart water molecules. Without the **OXYDES[®]-P** there is not enough energy to split apart water and create strong Oxidizer.

..no other salt water chlorine system can create this particular oxidizer!

▪ This process mentioned as Powerful Oxidation, can be used to disinfect water and wastewater in any industry. Food and beverage industries have been waiting for this process for generations.

▪ The benefits of **OXYDES[®]-P** is that it disinfect organics and inorganics completely with very high levels of Oxygen, leaving behind Carbon dioxide (CO_2) and Water (H_2O). It does not leave behind any kind of chloramines or other disinfection byproducts (DBPs) that can cause **Cancer** and strong smell.

▪ **OXYDES[®]-P** reacts with added sodium chloride (NaCl) salts to create chlorine, a very strong Sanitizer that removes any additional contaminants found in water.

Technical Specification

Specification	Unit	Value
Appearance	-	solid state powder
Color	-	white
Particle size	mm	
pH (@ xx mg/L)	-	

More benefits with added I-SOFT[®] DESCALER

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