

## Technical Data Sheet

### Multipurpose Oxidizer for Disinfection and Sanitization

**Product Name** INSTANT OXYDES® (Strong oxidant for disinfection and sanitization)

**Brief description** INSTANT OXYDES® is made in a crystallization process from Stabilized Hydrogen Peroxide (SHP) in an agitated reaction vessel containing a mother liquor at a temperature from 15 to 30 °C with formation of INSTANT OXYDES® which precipitates out of the solution. The precipitated INSTANT OXYDES® powder is separated from the liquid and recovered as product.

INSTANT OXYDES® contains a stabilized based in tri-sodium salts with an amount of 1% of its own weight. INSTANT OXYDES® has the best oxidant and disinfectant qualities.

**Availability** INSTANT OXYDES® is available in 1 kg, 2 kg and 5 kg vacuum bags and 60 kg drums. One 1 kg bag can make 20 kg of best quality scale and corrosion inhibitor including 13.5% hydrogen peroxide.

**Description** INSTANT OXYDES® is the best disinfectant which breaks down to oxygen, water and carbonates and the decomposition happens without the formation of any residues or toxic contaminants unlike chlorine, chlorine dioxide and potassium permanganate.

INSTANT OXYDES® is an absolute white food grade biocide in odorless, crystalline powder form which, when added to water dissolves easily and releases hydrogen peroxide which is stabilized to work as very strong and powerful disinfectant. It has very wide range of applications and uses. Since it's approved for any food applications, it is used in drinking water applications, Resin and Membrane cleaning applications, disinfectant for all surfaces, barrels, pressure vessels, lines and pipes, tanks and complete range of Food and Beverage equipments. It is the best Biocide and Disinfectant for cooling towers and swimming pools.

### Properties

#### Applications

Substitute to

- Chlorine
- Ozone
- Chlorine dioxide
- Liquid Hydrogen Peroxide
- Strong Oxidants

Bulk Density 0.8 - 1.05 g/cm<sup>3</sup>

Active Oxygen 17%

Moister 20% (Max.)

pH Value (3% solution) 10.2 (approx.)

Contains Stabilizer\*

## Product application Feed rate/Dosing

1. Cut open the **INSTANT OXYDES®** bag and pour the dry powder in proportionate amount of fresh water inside Dosing Tank of Watch-DOS System.
2. Adjust the Dosage to obtain 20 ppm of oxygen in the water.
3. Always make the fresh dosing solution using 1 kg, 2 kg or 5 kg bags according to the system design and dosing requirement. It's recommended to use the dosing solution within 12 months after preparation.

## Specialty of formulation

The products used in the formulation shall not cause any environmental problems. **INSTANT OXYDES®** contains **No Phosphates**, **No Phosphonates**, **No EDTA** and **No NTA**.

The oxidant contain NO Toxic products and doesn't involve in formation of Disinfection byproducts (DBP)

## Dosing System

**INSTANT OXYDES®** is dosed with **Watch-DOS®** dosing systems. For perfect dilution and dosing refer to **Watch-DOS®** product Brochure.

**Scale Questionnaire: if you would like us to investigate your scale, corrosion and any other water related problems, please complete the questionnaire and submit to [www.watchwater.de](http://www.watchwater.de)**

## Packaging & Storage

Product	Amount per bag	Quantity in a box	Weight (kg)
<b>INSTANT OXYDES®</b> 1 kg bag	1 kg	20	21.6
<b>INSTANT OXYDES®</b> 2 kg bag	2 kg	10	21.6
<b>INSTANT OXYDES®</b> 5 kg bag	5 kg	4	21.5
<b>INSTANT OXYDES®</b> 60 kg Drum	-	-	60 kg

*Applications: INSTANT OXYDES can be used for disinfection and sanitization of Ion Exchange Resins, Membranes and Membrane Systems, CDI Systems, Purification Plants, Disinfectant of all surfaces Disinfectant in paper manufacturing, Food industry: Disinfecting and sterilizing installations, Disinfecting containers and transport drums, All kinds of Water Purification, Washing and Cleaning, Residential and Industrial dishwashers, Chlorine substitute for Residential drinking water and Swimming pools.(See others)*



## Advantages:

Two 21.5 kg Boxes of **INSTANT OXYDES®** are equivalent to 800 kg of equivalent product in canisters.

It saves a significant amount of money from freight, shipping containers, drums, storage, handling and labor costs.