



## HIGH LEVEL DISINFECTANT

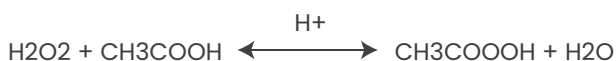
### WHAT IS WTR PEROX 15?

WTR PEROX 15 is a powerful disinfectant, based on peracetic acid

### WHERE IS WTR PEROX 15 USED?

It is used for high disinfection in food and feed markets.

### CHEMISTRY OF WTR PEROX 15



Peracetic acid is obtained by acid-catalyzed reaction of hydrogen peroxide and acetic acid.

### MECHANISM OF ACTION

The oxidation mechanism of WTR Perox 15, a potent oxidizing agent effective against bacteria, fungi and viruses, is carried out by redox reaction and the redox potential is monitored in electron volts (eV). Disinfection starts with electron transfer. In this context, powerful disinfectant is the most rapidly transferring electrons to the microorganism. The following table is listed the oxidation potency of strong oxidizing materials known as eV.

Oxidant	eV
Hydroxyl radical	2,85
Ozone	2,08
Peracetic Acid	1,81
Hydrogen peroxide	1,78
Permanganate	1,68
Hypochlorite ion	1,64
hypochlorous acid	1,48
Monochloramine	1,4
Sodium Hypochlorite	1,36
Dichloramine	1,34
Oxygen	1,23
Chloride dioxide	0,95

### RELATED REGULATION INFORMATION

PEROX 15 was within the scope of the Biocidal Regulation of the Ministry of Health and was produced with the permission of Ministry of Health dated 02.05.2018 and numbered 2018/35.

### CONTENT

Active substance : Peracetic acid  
Excipients: oxygen-based bleach, organic acid, catalyst, solvent.

### TECHNICAL PROPERTIES

Appearance : Liquid  
Odor : Characteristic  
Density : 1,14-1,2 gr/ml  
pH(%1) : 3±0,5

### STORAGE

Store in a cool, well-ventilated area that is not exposed to direct sunlight. It should be stored below 30o C. The product must be protected in its original packaging. It should not be stored in the same environment as food materials. It should be kept out of reach of animals and children. Heat and light reduce shelf life.

### SHELF LIFE

Shelf life is 3 months under suitable storage conditions. Unpacked product can be used in its original package for 3 months if the lid is closed and kept under suitable storage conditions.

### PACKAGING

5-10-20-30-60-200 L PE drums  
1000L IBC tanks

### WARNINGS

Avoid contact with skin or eye. If in eye or skin; wash with plenty of water. Keep away from reach of children. Avoid inhalation. Get medical advice / attention if you feel unwell.

### NOTE

The product is for industrial use and for professional use only. It should not be mixed with any material except water. For detailed information see the Material Safety Data Sheet.

### DISCLAIMER

The technical information contained in this document are given in good faith and are meant to be used as a guideline by the specifier or user. Whilst we are confident about the quality of our products, we cannot accept any liability for the incorrect use or application of our products.

## PROPERTIES

Product Type (4) Disinfectant Used in Food and Feed Areas

## AREAS OF USAGE

Professional use only. It is used in agriculture, food and beverage markets.

## DIRECTION OF USAGE

WTR Perox 15 is concentrated and used under 30o C. The product is applied to the pre-cleaned and rinsed surfaces with a concentration of 0.05% - 0.2% by manual or equipment. At the end of appropriate contact time (5-15min) rinse with water. The product should be use open areas, if it is used closed area, ventilation is recommended.

## ABOUT WTR PEROX 15

WTR PEROX 15 is an extremely ecological product. Biodegradability is very high. It decomposed in the sea in seconds, in the sea water in minutes. The decomposition products are water, oxygen, carbon dioxide and acetic acid. Due to the product is a product for the food market, it does not contain toxic chelating agents (phosphates, phosphonates, EDTA, etc.) or heavy metal salts which will increase the shelf life of the product. It does not contain any substances which are toxic and ecotoxicity with bioaccumulation potential after use.

## DOSAGE

Product type	Microorganism type	Application area	Application dose	Contact time
4	S.aureus P.aeruginosa E.coli E.hirae	Surface disinfectant for Food and Feed areas	0,05%	5min
	C.albicans A. brasiliensis		0,2%	15min
	Bakteriyofaj P001 Bakteriyofaj P008		0,2%	15min

## PEROX 15 (PAA) & SODIUM HYPOCHLORITE (NAOCL)

	PAA	NaOCl
Efficiency	High	High
Efficiency >pH8	High	Low
Oxidizing capacity	1,81 eV	1,36 eV
Oxidation of H2S	Yes	Yes
Degradation with UV	No	Yes t1/2 45 min.
Na+ level	N/A	215 g NaCl/L
Aquatic Toxicity	Very low	High
Measurement of in-situ quantification with the test kit	Yes	Yes

## DURING USE

Protective eye mask and latex gloves should be used. Ensure that the application environment is well ventilated.  
Do not consume any food.  
Do not smoke.

## AFTER USE

The applied surface should be washed with plenty of water.