



e-Water™: Hand disinfection

An ecological alternative to Hydro-alcoholic disinfectants

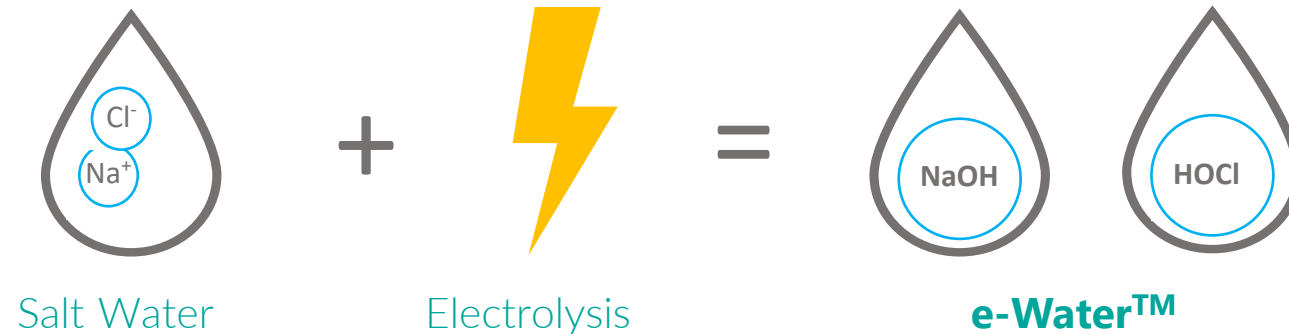


Hydrolyzed Water

e-Water™: Hand disinfection

e-Water Hands is the product of electrolysis of saltwater using an Electrolysis machine which converts the water into an effective disinfectant.

The active component of e-Water Hands is free chlorine (HOCl), which is the most effective disinfectant in liquid form.



Additional technical information available on our website



HOCl – Mimics the human immune system

e-Water™: Hand disinfection

When the body is attacked by microorganisms such as bacteria and viruses, the immune system usually reacts immediately.

- The body sends an increased number of neutrophils, a type of white blood cell, directly to the site of invasion. When activated, these cells produce large amounts of an oxidizing solution that effectively helps break down germs and pathogens.
- The oxidizing agent generated by neutrophils, **hypochlorous acid (HOCl)**, is one of the most effective natural disinfectants. It is non-toxic to humans and very effective as an antimicrobial agent.

These processes break down germ cells - **without the risk of bacterial resistance.**

This means that no immunization of the germ itself or its cell is possible.

This makes it a very effective **disinfectant** against bacteria, viruses, algae, yeasts and molds



Benefits

e-Water™: Hand disinfection

- Neutral pH (free chlorine: low concentration)
- Does not emit toxic chlorine gas
- It is the most effective liquid disinfectant to date with a broad antimicrobial spectrum
- Odorless
- Harmless, ecological and biodegradable.
- No risk of bacterial resistance
- Non-irritating and non-toxic without risk of allergy to the skin, without additives
- Non-flammable



WATER-BASED



VOC FREE















SOLVENT-FREE



Comparison vs Hydro-alcoholic solutions

e-Water™: Hand disinfection

	e-Water Hands	Standard Hydro-alcoholic solutions
Ph	 Neutral	 Neutral
Allergy / Irritation	 None	 Significant risk
Flammability	 Non-flammable	 Flammable
Biodegradability	 100%	 Partial
Bacterial Resistance	 None	 Significant risk
Volatile Compounds	 None	 60%-70% (Alcohol)
Dryness and residue on the skin	 None	 Significant risk



Compliance Norms- Tests

e-Water™: Hand disinfection

Approbations:

- PT1
- Listed on Article 95 of the BPR
- Validated by ECHA authorities

Efficient against Coronavirus, Norovirus, Adénovirus,
E-coli, Clostridium difficile, Staphylocoque doré

Tests:

- EN 1650
- EN 13624, EN 13697, EN13704, EN 13727,
- EN 14476
- EN 16615





Environment friendly

e-Water™: Hand disinfection



Reduce the use of environmentally polluting chemicals.

e-Water can replace conventional hydro-alcoholic solutions for Hand disinfection and reduces the emission of Volatile Organic Compounds (VOC) into the atmosphere.