



DISINFECT

utilising Electrolysed Water

All in One Powerful Disinfectant

Kills Listeria, Legionella, Staphylococcus, E.Coli, Norovirus,
Flu Viruses and much, much more

**OVER 30 x MORE EFFECTIVE THAN BLEACH
WITHOUT THE HARSH OR TOXIC CHEMICALS**

Kills
99.995%
viruses and
bacteria

It's 99.69% water

VEGAN

100%
ECO
PRODUCT
★ ★ ★

NOT TESTED
ON ANIMALS

PARABEN
FREE

100%
MINERAL

Hand icon with a heart inside

INFORMATION LEAFLET

DEW Disinfect vs Bleach

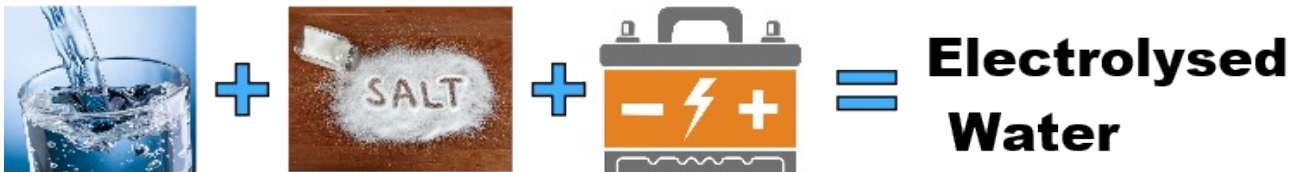
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Welcome to **DEW Disinfect** a new generation of disinfection products specifically formulated to provide the most effective disinfection without the use of any harsh or toxic chemicals.

The active ingredient in **DEW Disinfect** is 'Electrolysed water' created from just a little salt, de-ionised water and a small amount of electricity.



Originally invented during the 1830's by Michael Faraday, it wasn't until the Russians developed the technology for the USSR space programme, that the benefits of Electrolysed water re-emerged.

One of the most common questions we are asked is - "Why is **DEW Disinfect** better than Bleach?" Well the short answer is, because it's better technology and we will now explain why.

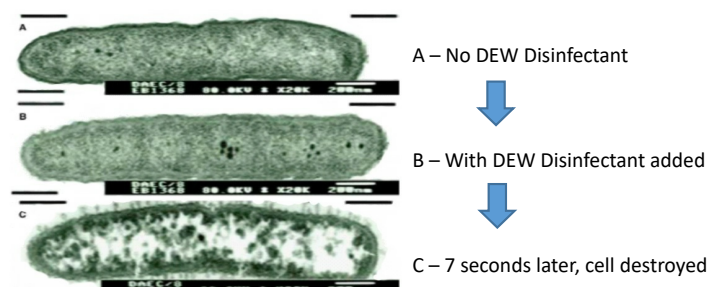
First we must explain the similarities, which are very few, the main one being that both have an active ingredient that is derived from Chlorine. In the case of Bleach, this is a substance called Sodium Hypochlorite or Chlorite ion, in the case of **DEW Disinfect**, it is a substance called Hypochlorous Acid.

Both substances are manufactured using a very similar process, that of electrolysis, both are able to effectively kill bacteria and both give off a similar aroma, although Sodium Hypochlorite is more pungent, because it is more concentrated, but that is where the similarity ends.

Hypochlorous Acid is found in our bodies, it's what our body generates to fight infection, so as far as our bodies are concerned, it is a completely natural substance.

Sodium Hypochlorite on the other hand is a harmful, toxic, corrosive chemical that is guaranteed to damage our bodies, our pets and our plants, unless it is carefully controlled and used in an extremely diluted form. It is also thought to produce byproducts that are carcinogenic.

During its manufacture, the molecules of **DEW Disinfect** are given a very small positive electrical charge, so that, when in close proximity to bacteria and viruses, they are attracted to the disinfectant, thereby accelerating the killing process. Germs are killed so quickly, that they cannot build up any resistance, so **DEW Disinfect** will continue to be effective into the future.



Microphotography of an Escherichia coli bacteria taken with a transmission electron microscope (TEM):

Liao, Chen, Xiao. Journal of Food Engineering 78; 2007: 1326-1332)

Because of its more efficient killing mechanism, the concentration of the active ingredient in **DEW Disinfect** is just 0.05% whereas, for the same performance, Bleach requires a concentration of around 1%. **That's 50 times stronger.**

Additionally, **DEW Disinfect** is almost as effective at killing viruses, mould, fungi, spores, pollen and most other airborne allergens, whereas **Bleach is not always effective at all, at killing other pathogens, unless used in high and dangerous concentrations.**

The performance of Hypochlorous Acid, the active ingredient in **DEW Disinfect** has been well documented by some of the world's leading Universities and research establishments, all agree that it is substantially more effective at killing pathogens than Bleach.

A study by the University of Illinois 'Disinfection and Sterilisation' by G. Sykes and S.K. Kapoor, concluded that Hypochlorous Acid was 120 times more effective than Bleach at destroying E.Coli and Salmonella and 40 times more effective at destroying B. Botulinum.

Studies by Scarpino, Fair and Berg, Butterfield and others all draw similar conclusions across a wide range of tested pathogens.

At Ecoanolytes we prefer to be a little more reserved, that's why we say that **DEW Disinfect** performs at least 30 times better than the strongest household Bleach.

Bleach acts like a blunt instrument in order to be effective, whereas **DEW Disinfect** acts like a fine surgical instrument, going directly to the weakest point of the bacteria or virus and killing it almost instantly.

The chart below shows a simple comparison between **DEW Disinfect** and Bleach:

Attribute	DEW Disinfect	Bleach
Effectiveness	Yes	Yes
Safety	Yes	No
Stability	Yes	No
Chlorine Residue	Yes	Yes
Disinfection By-products Reduction	Yes	No
Chlorine/Bromate Reduction	Yes	Yes
Biofilm Removal	Yes	No
Algae Elimination	Yes	No
Microflocculation (easier filtration)	Yes	No
Easy to Maintain	Yes	No
No Rinse Formula	Yes	No
Food Safe	Yes	No
Prevents Limescale	Yes	No
Low Lifecycle Costs	Yes	No

Over the past 20 years a great number of research papers have been written, by some of the world's most eminent Microbiologists, about the exceptional performance of disinfectant utilising Hypochlorous Acid, but it is only in very recent times that technology has enabled us to bottle this wonderful, effective and environmental friendly product, to make it available for everyone.

EUROPEAN CERTIFICATION

All **DEW** Products have an extremely low manufactured carbon footprint of under 7gm per litre and they comply with the European Biocide Regulations, so they have therefore been successfully tested to the following European Standards:

- **BS EN 901** - A European standard for additives, used for the disinfection of drinking water, certified for purity and non-toxic effects upon human consumption.
- **BS EN 1276** - Chemical Disinfectants Bactericidal Activity Testing.
- **BS EN 1499** - Chemical disinfectants and antiseptics: Hygienic hand wash.
- **BS EN 1500** - Chemical disinfectants and antiseptics: Hygienic hand rub.
- **BS EN 1656** - Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics for use in the veterinary field - Test method and requirements (Phase 2, Step 1).
- **BS EN 13623** - Chemical disinfectants and antiseptics. Quantitative suspension test for the evaluation of bactericidal activity against *Legionella* of chemical disinfectants for aqueous systems- Test method and requirements (phase 2, step 1) Efficacy tests against enveloped and non-enveloped virus.
- **BS EN 13697** - Chemical disinfectants and antiseptics - quantitative surface test for the evaluation of bactericidal and/or fungicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas (Phase 2, Step 2); Efficacy against spore forming bacteria in suspension; Efficacy against bacteria in suspension: (the preferred efficacy test of the Food Standards Agency).
- **BS EN 14476** - Chemical Disinfectants and Antiseptics - Quantitative Suspension Test for the Evaluation of Virucidal Activity in the Medical Area (the product can be used in medical establishments for the disinfection of surfaces).

DEW Disinfect complies with the requirement of the UK Food Standards Agency (FSA) and those of the European Union, with respect to its use in food preparation areas.

Remember; Use biocides safely. Always read the label and product information before use.

For more information or to arrange a meeting please use the contact details below

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