

ECO-LYTE (NTL) FAQ

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Below is a list of our most commonly asked questions, if you have a question that has not been answered or if you would like a more scientific explanation to any question, please contact us.

Q: How does Eco-Lyte (NTL) work?

A: When Eco-Lyte (NTL) comes into contact with a bacteria or virus it targets the cell structure and causes the rupturing of biochemical bonds, and subsequent loss of function. Basically it creates an imbalance, breaking down the defences and rendering the micro-organism harmless.

This solution is highly effective at killing bacteria, viruses, spores and pathogens, for example:

- Coronavirus
- Avian Flu
- Swine Flu
- Herpes Simplex
- Listeria
- E. Coli
- Salmonella
- Enterobacter spp.
- P. aeruginosa
- Candida albicans
- Bacillus cereus
- Aspergillus niger
- Legionella
- MRSA
- Hepatitis A
- and more

Q: What is electrolysed water?

A: It is a solution known as Anolyte (trade name Eco-Lyte (NTL)), and is the result of the electrolysis of ordinary tap water containing dissolved sodium chloride. This electrolysis produces a mix of hypochlorous acid and sodium hydroxide. The resulting oxidising water is a known cleanser and disinfectant or sanitizer. It is 100% safe to humans and animals and, because in time it returns to its constituent parts, it is also environmentally friendly.

Q: What ingredients are in Eco-Lyte (NTL)?

A: The initial ingredients used to produce electrolysed water are salt (NaCl), water (H₂O) and electricity - and that's all.

The saline solution is passed through an electrolysis chamber where it splits into positively and negatively charged solutions. The negative ionic solution contains small amounts of Oxygen, Hypochlorous Acid and Hydroxide ions. This solution is what we refer to as electrolysed water or Anolyte.

Q: What is Hypochlorous acid?

A: Hypochlorous acid (HOCl) is the same acid our body generates in response to fighting an infection. Although it is a weak acid it is the primary disinfection agent of Eco-Lyte (NTL).

Q: Why does Eco-Lyte (NTL) have a slight chlorine smell?

A: Hypochlorous acid (HOCl) present in the electrolysed water gives the solution a slight smell of chlorine. HOCl is present by less than 50 parts per million (ppm), this is the equivalent of 0.005%.

Q: When would I need to disinfect drinking water?

A: If you use municipal water (tap water) this will have already been processed and treated with chlorine. However, if the water is held in storage and not replenished daily, the residual kill of the chlorine originally used to treat the water is no longer effective, making it susceptible to bacteria. A daily dose of Eco-Lyte (NTL) added to the water ensures that bacteria and viruses are killed.

Q: How do I know if Eco-Lyte (NTL) is working?

A: Using a hygiene testing kit with ATP swabs we measure the level of ATP on a surface. ATP is present in all organic material and is the universal unit of energy used in all living cells. The level of ATP indicates the level of cleanliness.

Q: How to I test the efficacy of Eco-Lyte (NTL)?

A: A FAC (Free Available Chlorine) level of 100ppm is required for disinfection of surfaces. The Hydrion Chlorine Test Kit CM-240 provides a quick, reliable, easy-to-use way to test the strength and efficacy of chlorine based sanitizers. The kit consists of a 4.5m roll of test paper in a protective dispenser, with a matching colour chart and a refill roll of test paper. Approximately 200 tests per kit. (Contact us for the price)



Q: Storage & shelf-life of Eco-Lyte (NTL)

A: Store in a cool, dark area in the container it was supplied in. Avoid direct UV light. Shelf life is six months from production date.

Q: Do I have to dilute Eco-Lyte (NTL)?

A: Eco-Lyte (NTL) is sold in its concentrated form and although no harm will come from applying it as is, we do recommend diluting it to different strengths for different applications. Refer to our Dilution Guide. For best results, use contents within 30 days of diluting.

Q: Can I use Eco-Lyte (NTL) in a fogger?

A: Eco-Lyte (NTL) can be used in a UVL fogger but not in a thermal fogger. Thermal foggers use heat which destroys Eco-lyte's active ingredients.

Q: What do I do if Eco-Lyte (NTL) is accidentally swallowed?

A: Eco-Lyte (NTL) is safe, non-toxic and non-irritant. Swallowing small amounts will not pose a risk, however, it is not recommended to consume the solution. In the case of ingestion we recommend drinking cool fresh water to flush and dilute.

Q: What do I do if Eco-Lyte (NTL) comes into contact with eyes or skin?

A: Eco-Lyte (NTL) will not harm eyes or skin. If sensitive eyes are irritated, flush with water. If sensitive skin is irritated wash with soap and warm water.

Q: What happens if I inhale Eco-Lyte (NTL)?

A: Nothing. No harm will come to you, your animals or your children, this product is 100% safe. If, however, you feel light headed from continuously inhaling, move to an area with fresh air.

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