

Envirolyte New Zealand

# ANK Neutral Anolyte



No. 5576

## PRODUCT INFORMATION

- ✓ BROADSPECTRUM PATHOGEN CONTROL
- ✓ NON-TOXIC & NON-HAZARDOUS
- ✓ CONTAINS HYPOCHLOROUS
- ✓ FOOD SAFE & DAIRY APPROVED
- ✓ FOR USE IN FOOD PRODUCTION, PROCESSING PLANTS, FACILITIES AND OPERATIONS

## High Strength Non-Toxic Sanitiser

Powerful yet benign sanitiser for sanitising food premises and disinfecting areas requiring a high hygiene standard. Used as directed very effective against a wide range of pathogens with a near 100% kill of known bacteria, yeasts, moulds, fungus, mildews; Including *Listeria*, *Salmonella*, *Campylobacter*, *E.coli*, *Coliforms*, *Legionnaires*, *Staphylococcus*, *Aureus*, *Pseudomonas* Aug. *Bacillus subtilis*, *Candida* and many more.

### DIRECTIONS

Spray and wipe in concentrated form for all general hard surface disinfection. Floors, walls & equipment sanitation apply 1-4% mixed with potable water. (1:100/1:25) Spray or wash machines/floors/walls/surfaces then rinse with potable water. Safe to Fog: Dilute concentrate at 4% (1:25) for atmospheric fogging, odour control and bacteria load reduction applications. Potable water treatment: Apply concentrate to water supply at 0.4%-1% of total flow For Fruit & Vegetable washing contact the Envirolyte team for specific application advice.

### SAFE PRACTICE

Independently tested and verified, liberally sprayed as a concentrate this powerful Organically Certified non-toxic product will disinfect and sanitise surfaces with a minimum contact time of 30-60 seconds. pH Neutral and non-corrosive. Safe on surfaces including glass, plastic, wood and stainless steel.

### APPROVALS

#### MPI DAIRY MAINTENANCE COMPOUND APPROVED

This product is MPI approved for use in Farm Dairies

#### MPI APPROVED C23, C43, C51, C61, C104 (All animal product except dairy)

C23 - This product may be used in edible areas. Where incidental contact with food surface occurs, surface must be rinsed with potable water.

C43 - This product may be used as a no-rinse sanitiser on clean surfaces in licensed premises which are restricted only to the processing of fish.

C51 - This product may be used to sanitise whole shell eggs.

C61 - This product is permitted in potable water.

C104 - This product may be used as a hand washing and sanitising compound in all areas.

#### ASURE QUALITY ASSESSED

Passed AsureQuality assessment for Food/Beverage/Dairy factory for food contact surfaces and potable process/bottled water and food rinse water (including for Farm Dairies) – ref # H2610

#### BIOGRO CERTIFIED ORGANIC

BioGro Certified Input for Organics Ref # 5576. This product is certified for use in organic production.

### GENERAL

Hard surface disinfectant, floors, walls, equipment, surfaces, bathrooms, kitchens, toilets, food processing areas

### ODOURS & BACTERIA

Via fogging both indoors and outdoors

### WATER SANITISING & PRODUCT WASHING

At recommended dilutions

### PROPERTIES

APPEARANCE  
Clear transparent liquid

FRAGRANCE  
Mild Chlorine/Bleach

STRENGTH  
<0.05% Hypochlorous

pH VALUES  
7, 5-8 (neutral)

MICROCIDIC  
500 ppm FAC (@0.05% solution)

ACUTE TOXICITY  
None

DEGRADABILITY  
Biodegradable in conc. form

HAZARDOUS RATING  
Non-hazardous

SPECIAL STORAGE  
None required

DISPOSAL PROCEDURES  
No special disposal required

### REORDER



Envirolyte New Zealand Ltd  
PO Box 12347, Penrose, Auckland 1642  
Tel: +64 9 622 4601  
Email: [info@envirolyte.co.nz](mailto:info@envirolyte.co.nz)



### SAFER SANITATION, BETTER SOLUTIONS

Our core focus is to provide sustainable, safer and more environmentally friendly sanitation and hygiene solutions. Envirolyte's innovative green technology provides effective, safe, non-toxic disinfecting, sterilization and sanitation solutions for Food & Beverage, Horticulture, Agriculture, Hospitals, Facilities, Farming, Food Processing, Dairy, Poultry, Waste Water Treatment and all areas that require 24 hour sanitation and germ defence.

# ANK Neutral Anolyte

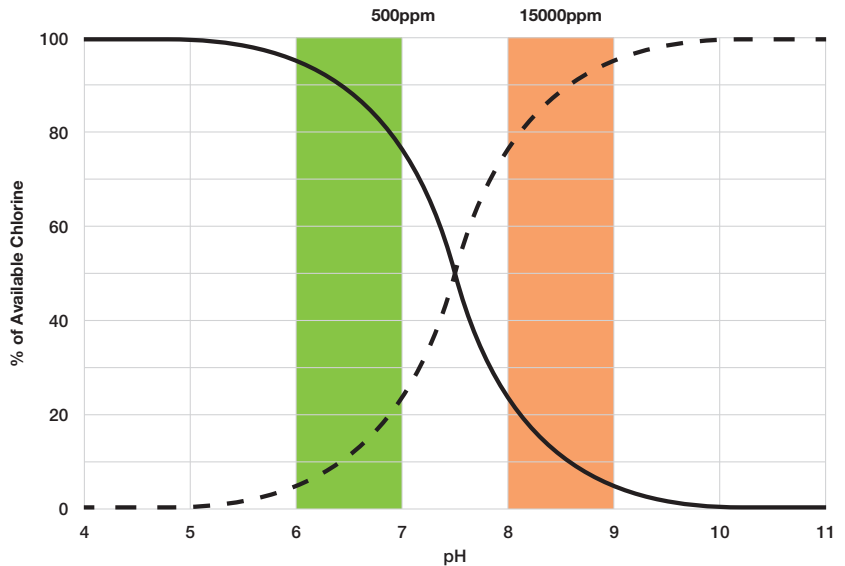
## Relationship between HOCl (hypochlorous) and OCl (Hypochlorite) at different pH Values

pH of water is an important relative to the varying proportions of hypochlorous and hypochlorite ions. In a solution with a pH rising over 7.5, the proportion of hypochlorous continues to decline down to almost 0 at pH of 9.0. The activity of hypochlorous as a bactericide is greatly superior to that of the hypochlorite, being almost 80 times more powerful. It is concluded that in free residual chlorination, the higher the pH value the less active is the residual because of the lower proportion of hypochlorous acid.

Anolyte with active hypochlorous achieves the same level of efficacy as hypochlorite ions with 30x less the concentration.

This is due to the hypochlorous ion having a far greater bactericidal effect when compared to the hypochlorite ion.

Anolyte also achieves this efficacy at a non-toxic pH neutral level.



## Patented technology keeps HOCl stable in Anolyte

Efficacy of ANK Neutral Anolyte	Contact Time	Log reduction		% Decrease	
		1 month	6 months	1 month	6 months
Escherichia coli	30 seconds	>6.11	<5.76	99.999	>99.9999
	60 seconds	>6.11	<5.76	99.999	>99.9999
Staphylococcus aureus	30 seconds	>6.08	3.53	99.999	99.9
	60 seconds	>6.08	4.3	99.999	99.99
Pseudomonas Aeruginosa	30 seconds	>6.46	>6.04	99.999	>99.9999
	60 seconds	>6.46	>6.04	99.999	>99.9999
Salmonella menston	30 seconds	>6.36	>6.23	99.999	>99.9999
	60 seconds	>6.36	>6.23	99.999	>99.9999
Listeria monocytogenes	30 seconds	>5.96	>5.91	99.999	>99.9999
	60 seconds	>5.96	>5.91	99.999	>99.9999
Candida albicans	30 seconds	>6.61	>4.7	99.999	>99.99
	60 seconds	>6.61	>4.70	99.999	>99.99

## Anolyte vs Hypochlorite

