

ALPHASAN

THE ULTIMATE BIOCIDES FOR FISH & SEAFOOD PROCESSING



ALPHASAN is Chlorine Dioxide (ClO_2) gas in an aqueous solution that is a very powerful yet selective oxidising agent, high-level disinfectant and broad-spectrum bactericide, virucide, fungicide and algacide. The product has been developed as a water treatment solution and disinfectant for multiple applications and is exceptionally powerful yet inherently safe and environmentally friendly.

Chlorine Dioxide is universally recognised as one of the most effective and safest biocidal agents available and is used around the globe for a wide range of applications where effective control of microbial activity is essential.

- **WATER TREATMENT DISINFECTION SOLUTION** – Control microbial pathogens in fresh and salt water used in fish and seafood processing facilities, to prevent biological contamination and ensure safety.
- **FOOD WASHING AGENT & PROCESSING AID** – Wash fish and seafood to eliminate microbial pathogens, as well as significantly extending the shelf-life, preserving them in pristine freshness by lowering bacterial plate counts.
- **NO-RINSE FOOD CONTACT SURFACE DISINFECTANT** – A high-level disinfectant that is used for water wash-down and final disinfection of entire food processing facilities and equipment. FSANZ Approved.
- **ODOUR NEUTRALISER** - Eliminates foul odours from fish and seafood processing areas and storage facilities.

ALPHASAN - The superior performance coupled with its unrivalled safety and environmental benefits makes it the ultimate solution and preferred choice for multiple aquatic biosecurity applications in the fish and seafood industry, eliminating pathogens to ensure safety, enhance product quality, and ultimately protect public health and increase consumer satisfaction.



FEATURES & BENEFITS

ALPHASAN Chlorine Dioxide has been described as “the ideal biocide” and has several important advantages over traditional disinfection methods. It is an especially effective disinfectant because it is impossible for bacteria and viruses to develop a resistance to it.

HIGH PERFORMANCE – Rapidly eliminates harmful pathogens and micro-organisms and has over 2.5 X the oxidising power of waterborne chlorine. Has proven to be consistently reliable and effective against bacteria, bacteria spores, viruses, protozoa, fungus, mildew and algae at up to 99.9999% (6-log reduction).

Campylobacter
Clostridium
Enterobacter
E. coli
Flavobacterium
Legionella
Listeria
Mycobacterium
Pseudomonas
Salmonella
Staphylococcus
Streptococcus

Coryneforms
Cryptosporidium
Giardia
Infectious Salmon Anaemia Virus (ISAV) / Fish Flu
Lymphocystis
Micrococcus
Mycoses (Fish fungal diseases)
Norovirus
Saprolegnia (Oomycete)
Marine Biotoxins & Algae
Vibrio parahaemolyticus
Viral Haemorrhagic Septicaemia Virus (VHSV)

SAFE TO USE – Non-toxic, non-carcinogenic, non-corrosive and non-flammable. ERMA have also classified it to be non-hazardous to handle and/or transport.

ECONOMICAL – Its efficacy at low concentrations and short contact times means it is very economical in use, with low capital & operating costs. As a ready-to-dilute single pack solution it is also easy to implement and monitor. It costs about the same as other sanitizers but is more versatile and beneficial to the environment.

ECO-FRIENDLY - 100% biodegradable and breaks down to common salt (NaCl). It does not chlorinate or form any dangerous disinfection by-products, such as THM's, AOX's or brominated compounds making it the most eco-friendly biocide available. Solution can be discharged directly into the sea with no detrimental effect.

WATER STABILITY - Has high water solubility and does not hydrolyse when it enters water, but remains a dissolved gas which stays active in water, enabling it to retain its biocidal efficacy and penetrate all points in a system eradicating pathogens within the water as well as on any surfaces below the water – a unique trait to ClO₂ among disinfecting agents. It is also effective over a wide pH spectrum (pH4 – pH10).

NON-TAINTING – Does not have any detrimental effect on the taste, smell or colour of the water or produce but rather enhances, and does not leave any residues. It is also non-corrosive to equipment and pipework.

APPROVALS: FSANZ (Food Standards Australia & New Zealand) C43, C61 & C102 / DWSNZ (New Zealand Drinking-water Standards) / MPI.



TYPICAL APPLICATIONS

ALPHASAN - Is used wherever the highest standards of disinfection are required. This versatile broad-spectrum biocide is exceptionally effective and safe, without tainting or forming harmful disinfection by-products, and is widely used in the fish and seafood processing industry for providing complete protection from biological contaminants.

The solution is easily implemented into new or existing systems and can be applied by automatic dosing, spraying, fogging or soaking.

RESIDUAL WATER TREATMENT SOLUTION

ALPHASAN - Proven broad-spectrum disinfectant used for rapidly and effectively controlling microbial activity, improving water quality and maintaining food hygiene, to prevent microbial contamination of entire water facilities, storage tanks and seafood processing systems, and ultimately protect public health. Suitable for both fresh water and salt water to provide a long-term disinfectant residual, eliminating pathogens and other pollutants from water, including bacteria, viruses, algae, fungi and protozoa, as well as for the removal of problematic biofilms in water pipelines and ice towers.

FOOD WASHING AGENT & PROCESSING AID

ALPHASAN - The powerful broad-spectrum action and ability to penetrate slime and oily layers means that it is the ideal biocide for multiple washing and filleting applications in fish and seafood processing plants. Use directly on fish and seafood to preserve in pristine freshness, significantly extending shelf-life by controlling the spoilage micro-organisms that cause decay. Will not taint the taste, texture or appearance of fish or seafood (including sensitive produce such as salmon) and will not leave any residues.

NO-RINSE SURFACE DISINFECTANT

ALPHASAN - Approved by FSANZ for post-clean sanitisation and disinfection. A consistently effective disinfectant perfect for all food and beverage preparation surfaces and equipment. Can be applied directly onto floors, walls, tanks (inside and outside), food crates and containers, as well as drains and any other equipment or surface. Typically used for final disinfection once surfaces are first washed down. Very effectively reduces microbial loads on the surfaces and furthermore, it does not leave any residues and there is no need for post-application rinsing prior to resuming operations.

ODOUR NEUTRALISER

ALPHASAN – One of the most effective and safest fish and seafood odour removal solutions available, without the need for added perfumes or fragrances. It works by neutralising the odour and controlling the odour-causing bacteria.

ALPHASAN®

Our technological advances have made it possible for us to produce a consistent 1000ppm aqueous solution of ClO₂ which has a 6-month shelf-life and is sold in various container sizes. With our experienced Chemists we are ready to assist you in every aspect of the evaluation, design, implementation and long-term support of your Chlorine Dioxide disinfection solutions. **ALPHASAN** for your disinfection requirements, product quality and staff safety.

For more information, usage instructions and health & safety directions please refer to our website www.alphaenvironmental.co.nz/Sanitisers.html

ALPHASAN is a registered disinfectant, manufactured and marketed in New Zealand by:

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As the actual conditions of use and storage are out of our control, no liability is accepted for any loss or damage caused directly or indirectly through the use of our products. Intending users should satisfy themselves as to the suitability of this product for any particular purpose, by carrying out appropriate tests.

USE DISINFECTANTS SAFELY. ALWAYS READ THE LABEL AND MSDS BEFORE USE. ALPHASAN® IS A REGISTERED TRADEMARK. ALL RIGHTS RESERVED.