

ALPHASAN®

FISH & SEAFOOD SHELF-LIFE EXTENDER



Fishers and fish processors have a constant battle with controlling spoilage organisms on fresh and raw fish. Microorganisms grow on fish and seafood which can lead to changes in texture, smell, taste or appearance, as well as creating food hygiene problems which can cause foodborne diseases, potentially resulting in product rejects.

ALPHASAN is Chlorine Dioxide (ClO_2) gas in an aqueous solution. It is an exceptionally powerful yet selective oxidising agent and microbicide which is universally recognised as one of the most effective, safest and environmentally harmless. It is used for a wide range of applications where effective control of microbial activity is essential – perfect for multiple uses in the fish and seafood industry.

- **PRESERVE FISH & SEAFOOD IN PRISTINE FRESHNESS**
- **MAINTAIN FISH APPEARANCE** (Gills remain pink & eyes remain proud)
- **ENHANCE PRODUCT QUALITY**
- **ELIMINATE SPOILAGE ORGANISMS**
- **OPTIMISE FISH CATCH & YIELD** (Remain at sea for longer)
- **ELIMINATE FOUL ODOURS IN FISH HOLDS**

ALPHASAN – The superior performance coupled with its unrivalled safety and environmental benefits makes it the ultimate solution for adding value and increasing consumer satisfaction by enhancing product quality, as well as ultimately ensuring food safety, protecting public health and company reputation.

ENHANCE QUALITY & ADD VALUE

FEATURES & BENEFITS

HIGH PERFORMANCE – Rapidly & consistently eliminates spoilage microorganisms, controlling CFU/bacterial loads on fish skin. It is an especially effective disinfectant because it is impossible for bacteria & viruses to develop a resistance to it.

SAFE TO USE – Non-hazardous, non-toxic & non-flammable.

ECONOMICAL – Its efficacy at low concentrations & short contact times means it is very economical in use, with low capital & operating costs.

ECO-FRIENDLY – Environmentally harmless & breaks down to common salt (NaCl)

NON-TAINTING – Does not have any detrimental effect on the taste, smell or colour of water or fish, & does not leave any harmful residues.

APPROVALS:

MPI – C43 (No Rinse Sanitiser for the Fish & Seafood Industry)

DWSNZ – New Zealand Drinking-water Standard

TYPICAL APPLICATIONS

ALPHASAN – Is used wherever the highest standards of disinfection are required. This versatile broad-spectrum microbicide is exceptionally effective, without tainting or forming harmful disinfection by-products, and is widely used in the fish and seafood processing industry for increasing fish holding times prior to final processing, extending the shelf-life and preserving pristine condition and freshness, as well as providing complete protection from microbial pathogens and foul odours.

WATER TREATMENT / DISINFECTION

Chlorine Dioxide is used for the disinfection of potable water and saltwater.

POTABLE WATER DISINFECTION – Sustainably enhance the microbial quality of your water used in seafood processing, ensuring complete protection from microbial pathogens & other contaminants, as well as controlling taste & odour issues.

SALTWATER DISINFECTION – Use in RSW Tanks & other systems to significantly decrease biological activity & cell counts in the seawater, which works to preserve fish in pristine freshness for an extended time. Unlike chlorine, this solution does not react with seawater or produce any harmful brominated compounds.

ICE TREATMENT FOR FISH PRESERVATION

Bacteria and viruses such as listeria, E-coli and salmonella can live in freezing temperatures, meaning they may well be alive in your ice.

Add **ALPHASAN** to the water used in ice-making plants (750ml per ton of ice) to enhance the microbial quality of the water and add value by giving ice the ability to eliminate spoilage organisms and pathogens on fish scales. The application of this treated ice is a simple and effective method for the safe preservation and shelf-life extension of raw fish by significantly lowering bacterial plate counts. The progressive release of ClO₂ gas to contact surfaces preserves fish for a significantly extended time, ensuring they are maintained in pristine condition and freshness. This enables fishing vessels to remain at sea for longer, as the condition of the first catch will remain as good as the last.

(Another benefit is that this solution eliminates biofilm build-up in ice-plant systems and pipework, optimising the freezing efficiency of the freezer plates).

ALPHASAN®

Pack sizes: 10L Bottles, 200L Drums, 1000L IBCs

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

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