

ALPHASAN®

LISTERIA CONTROL



Listeria monocytogenes are pathogenic bacteria that is commonly present in the environment and can enter food processing facilities, where it can survive for years on walls, floors, equipment and in drains, colonising niche environments, where it may form protective biofilms that can be resistant to most cleaning chemicals and practices. This leads to food hygiene problems and can cause the foodborne disease Listeriosis, resulting in potentially devastating public health risks, product recalls and damage to your company reputation, as well as significant penalties.

ALPHASAN is Chlorine Dioxide (ClO_2) gas in an aqueous solution. It is an exceptionally powerful yet selective oxidiser which is universally recognised as one of the most effective, safest and environmentally harmless biocides available, and is used where effective control of microbial activity is essential – perfect for multiple applications in the food and beverage industry. It is targeted to eliminate *Listeria*, as well as lower overall bacteria counts, enabling you to provide *Listeria*-free food products, without affecting taste, odour or texture.

**ENSURE
FOOD SAFETY & QUALITY**

FEATURES & BENEFITS

ALPHASAN - A broad-spectrum high-level bactericide, sporicide, virucide, fungicide and algaecide that has several important advantages over standard sanitiser and traditional high-risk chemicals such as chlorine, hydrogen peroxide and sodium hypochlorite.

ALPHASAN is an especially effective disinfectant because it is impossible for bacteria to develop a resistance to it.

HIGH PERFORMANCE – Exhibits rapid and consistent kill of pathogenic microorganisms. The product is 2.6 times more powerful than chlorine and has proven to be consistently reliable and effective, eradicating bacteria at up to 99.9999% (6-log reduction).

SAFE TO USE - Non-toxic, non-carcinogenic and non-flammable. ERMA (HSNO) have also determined it as non-hazardous to handle or transport. This chlorine-free solution does not leave any harmful residues or form any dangerous by-products (DBP's) such as AOX's, HAA's or THM's.

ECONOMICAL – Its efficacy at low concentrations and short contact times makes it very economical in use, with low capital & operating costs. Significantly reduces water use. Being a ready-to-dilute single pack solution it is also easy to handle and monitor. It costs about the same to use as other sanitizers but is more versatile and has far less of an impact on the environment.

ECO FRIENDLY – ClO_2 is environmentally harmless and is biodegradable. It degrades to common salt and does not form any harmful residues.

NON-TAINTING - Does not affect the taste, smell, colour or texture of food or produce. It also does not have the strong odour or corrosive issues associated with chlorine or peracetic acid.

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

TYPICAL APPLICATIONS

ALPHASAN - Used wherever the highest standards of disinfection are required. A versatile multi-purpose antimicrobial disinfecting agent, widely used in the food and beverage processing industry for providing complete protection from harmful bacteria such as Listeria from contaminating your produce. Common processing facility contamination sites include floors, walls, ceilings, food contact surfaces, cleaning aids, drains/wash areas, as well as HVAC systems.

ALPHASAN has unrivalled coverage and penetration with maximum effect, as when the Chlorine Dioxide gas is released it fills the entire space and permeates into every crevice and corner where Listeria can live, ensuring 100% coverage and reaching surfaces that other solutions cannot. It reduces the risk of missed surfaces associated with other cleaning and sanitising methods.

The solution is easily implemented into new or existing hygiene arrangements and systems via automatic dosing. Treated water is used for spraying, fogging or soaking, and is safely applied to all surfaces, as well as directly onto food products.

WATER QUALITY MANAGEMENT

ALPHASAN - At concentration levels accepted as safe for potable water it is still a highly effective virucide and bactericide, perfect for disinfecting your water to eliminate harmful pathogens and biofilms in water facilities.

FOOD WASHING AGENT & PROCESSING AID

ALPHASAN – A food-grade microbicide for treating water used for washing fruit and vegetables, raw meat, fish and seafood, as well as other foodstuffs to eliminate Listeria without affecting taste, odour or texture. Permitted as a processing aid for all foods and is effective in the presence of organic matter and will not leave any harmful residues.

BROAD-SPECTRUM ANTIMICROBIAL DISINFECTANT

ALPHASAN – Approved by FSANZ for post-clean sanitisation and disinfection. Suitable for complete facility disinfection. Use directly on food contact surfaces & equipment, as well as walls & floors to eliminate pathogenic microorganisms, such as Listeria. One very effective antimicrobial disinfectant for all food and beverage preparation surfaces, equipment and utensils. Furthermore, it does not leave any residues.

ALPHASAN®

Our technological advances have made it possible for us to produce a consistent 1000ppm aqueous solution of ClO₂ which has a minimum 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 requirements.

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

ALPHA ENVIRONMENTAL LTD

P.O. Box 3581

Richmond

Nelson, 7050

Tel: +64 (0)3-544 4365

Email: sales.alphaenviro@outlook.com

Web: www.alphaenvironmental.co.nz/Sanitisers.html

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. For more information, usage instructions and health & safety directions please refer to our website.

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