



Vibrex and Horses

Control viral and bacterial problems in one application with VIBREX AGRICARE



Vibrex

Antimicrobial Intervention System Stables and Equestrian Facilities

For many years, live animal industries have been searching for an effective surface sanitiser that rapidly destroys all types of micro-organisms and also provides maximum employee and environmental safety. Likewise, the horse industry has been seeking a broad-spectrum biocide, with no harmful residuals to humans or animals.

Vibrex is a colourless, odourless liquid; non-toxic, non-corrosive and non-flammable. It is a wide spectrum bactericide, fungicide, viricide and algacide, to be used as a disinfectant in many applications involving human and animal food preparation, water treatment and housing.

How does it work?

No other commercial biocide exists which is a "molecular free radical". Chlorine dioxide has an odd number of electrons and desperately seeks reactants that are electron donors, unlike chlorine, which adds or substitutes a chlorine atom to the reactive substance, hence the term 'chlorination'. Rather, Vibrex works via oxidation. This means that Vibrex does not produce chlorinated compounds, providing a safe and environmentally friendly product.

The reactive mechanism of Vibrex means that organisms cannot build resistance to the active ingredient. Vibrex attacks the microorganism by oxidation of the cellular membrane components, interfering with metabolic function and causing cell destruction.

This, together with the non-formation of carcinogenic chlorination by-products and non build-up of toxic organic or inorganic by-products like bromates gives it the least environmental impact of any biocide in use today.

Application Areas

To be utilised in the treatment of stables, and all hard surface areas to act as a total surface disinfectant. The destruction of surface bacteria, fungi and viruses will aid in the prevention and spread of communicable disease.

Daily treatments of drinking water will aid in the prevention and spread of water borne viruses, protozoas, fungi and bacteria. Chlorine dioxide is recognised as a suitable disinfectant for the treatment of human drinking water.

Consistent treatment of housing via atomisation will impede the spread of air-borne contaminants and infection whilst remaining harmless to live stock. Chlorine dioxide is used in mouthwash, toothpaste and other oral hygiene products to prevent infection.

Treatment through atmosphere is utilized as a vehicle to act as a "respiratory tract infection inhibitor". The unique action of Vibrex is able to oxidise many offending odours to improve odour levels within and around the stables

Advantages

- Unlike chlorine, organic matter does not inactivate Vibrex rapidly.
- Vibrex is less corrosive than chlorine based products
- Can be fogged, or sprayed into areas
- Removes surface microflora without toxic residues
- Effectively kills spores on contact particularly in water systems
- Destroys many odourous chemicals by oxidation. Vibrex does not merely mask the smell.
- THMs (trihalomethanes) and organic chlorines are not formed when using Vibrex
- Low usage rates, easy to handle and safe to use



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Vibrex Antimicrobial Intervention Program

The Key to Product Safety and Quality



Vibrex

Sanitation and Disinfection

- Hard surface sanitation of equipment and facilities
- Disinfection of facilities
- Control of airborne pathogens and inoculum



Vibrex is the ideal solution that can be applied into all facets of the Antimicrobial Intervention Program due to its flexibility and versatility.

Water Treatment

- Disinfection of incoming and makeup waters
- Sanitation and disinfection of recycled waters
- Removal and control of biofilms in water distribution systems
- Disinfection of wastewater

Benefits of Vibrex

- Broad spectrum biocide, effective against all bacteria, fungi, virus, algae and protozoa.
- Effective against spore forming microorganisms
- Effectively controls and removes biofilms
- Low concentration and contact times required
- Classified as a non-rinse food grade sanitiser
- Works over a broad pH range
- Does not form chlorinated by products including THMs
- Minimal effect on biocidal efficacy due to organic loadings
- Easily applied by fogging, spraying, dosing through existing CIP systems
- Non dangerous goods classification
- Biodegradable and safe to the environment
- Negligible corrosivity at recommended rates
- Micro-organisms unable to develop a resistance to the chemical
- Effective against human pathogens including Listeria, Salmonella and E.coli



Odour Control

- Capable of reducing many offensive odours
- Eliminate odours by controlling microbial source



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