



## FACT SHEET

### EXPEL SANITIZER/ODOUR NEUTRALISER. (STABILISED CHLORINE DIOXIDE)

EXPEL PRODUCTS INC. has developed a new technology for stabilizing Chlorine Dioxide and has produced a formulation for a unique new biocide, viricide, fungicide and algacide. EXPEL also acts as an odour neutralizer and deodorizer.

EXPEL destroys bacteria and virus microorganisms in seconds to minutes by denaturing the protein molecules. It is impossible for the microorganism to form any resistance. EXPEL does not require activation. It is safe for the user and environmentally friendly.

EXPEL is a molecular free radical. It has an odd number of electrons and seeks reactants that are electron donors. No other biocide operates in this way. microorganisms cannot develop resistance to EXPEL.

EXPEL has been approved by AgriQuality NZ Ltd. up to food contact as a sanitizer, approval number (H1394B/C), and has the following USA approvals, by USAFDA21CFR 178.1010 (34), USAFDA21CFR 173.300, USDA G5, USDA 3D, USDA P1, EPA (USA) Reg. No 9150-2 EST, and EPA (USA) No 9150-RI-01.

EXPEL has been tested and found to control the following microorganisms at low dose rates:

- Streptococcus Uberis,
- Streptococcus Agalactiae,
- Masticillin Resistant Staphylococcus Aureus,
- HIV 1,
- Legionella Pneumophilia,
- Salmonella Enteriditis Paratyphi B,
- Campylobacter,
- Aspergillus,
- Fungus Rhodotorula,
- Pseudomonas Aeruginosa,
- Escheria Coli,
- Listeria Monocytogenes,
- Salmonella Typhimurium,

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Stabilised Chlorine Dioxide is also known to kill:

- Candida Albicans,
- Hepatitis B,
- Proteus Mirabilis,
- Aeruginosa,
- Rotavirus,
- FMD
- Biofilm.

Product Benefits.

- EXPEL can be used by spraying, misting or fogging to reduce airborne contamination and to reach hard to treat areas.
- Used at standard application rates it is safe for humans and animals even in confined areas.
- It is environmentally safe for use and produces no undesirable by-products.
- Reduces the hazard and risk associated with the storage, handling and use of dangerous and toxic chemicals.
- It is safe to handle, offers no risk to users.
- Does not taint surfaces with colour, taste or smell.
- Is a colourless and odourless liquid.
- **It is biodegradable.**
- EXPEL is formulated for use in areas where infection is known to exist. It effectively sanitizes benches and work surface areas within minutes and is safe to use in Clinics, Hospitals and in the Home, where an effective safe sanitizing agent is required.
- EXPEL has high efficacy against all bacteria, virus, mould, fungi, algae and spore formers.
- It acts in seconds to minutes and is non corrosive.
- EXPEL can be used in any situation requiring a safe biocide, odour neutralizer or steriliser either in Clinics, Hospitals, in the home, or on farms.

**EXPEL (STABILISED CHLORINE DIOXIDE) HAS AS MANY USES AS YOUR IMAGINATION CAN PROVIDE.**

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