

ZITRITIDE

ANTIMICROBIAL FINE MIST FOGGING SOLUTION



SUPPORTS LIFE

NO EVACUATION REQUIRED

TOTALLY SAFE DURING AND AFTER FOGGING



ZITRITIDE is a natural and organic, safe, non-toxic, non-allergenic, non-corrosive, non-carcinogenic, non-mutagenic and 100% biodegradable product.

ZITRITIDE is for fogging and thereby disinfecting any health care environment and public space.

ZITRITIDE is a natural and organic anti-microbial solution that kills 99.99% germs.

It does not require evacuation nor does it have adverse affects on the environment.

The extract in its formulated form, PREVENTS / CONTROLS & ERADICATES all infections in any health care facility.

We have *in-vitro* test reports from Accredited NATIONAL AND INTERNATIONAL labs - Test reports and accreditations are available on request.

Our goal

To safely improve all hospital infection control practices, as well as behavioural and environmental practices, to the point where preventing the spread of micro organisms, including multi drug resistant organisms (MDROs), minimizes the chances of infection.

Infection control in any hospital or health care setting / facility is a very vital and important discipline concerned with preventing / controlling NOSOCOMIAL and other healthcare associated infections / cross contaminations, to the patients, attendants, visitors, doctors, nurses and all other technical and non-technical support staff who practically come in contact with any or all such risks.

The need for a clean, fresh environment is essential and helps promote well being, but a visibly spotless environment is not everything. Good Hygiene practices alone within the healthcare sector will not prevent Healthcare Associated Infections.

Infection Control is a new method to remove, kill and prevent infections by bacteria, fungi, viruses and a million other microorganisms that live amongst us unseen and unnoticed. Microbes have evolved much faster than mankind and so, they have become immune to antibiotics (as seen in MDROs and other hospital-acquired infections). Other infections affect thousands of people each year. It is best to kill and deactivate a micro organism before it reaches a human cell by using an effective anti-microbial agent, which is non-toxic to humans and animals, but toxic to any infectious microorganisms.

ZITRITIDE prevents & controls through fogging, a sterilisation technique that uses a special machine to create a mist which eliminates all pathogens, even ones that cannot be reached by conventional cleaning. Fogging is a long established method of sterilising an entire surface area, including walls, ceilings, furnishing, carpets and floors.

Humans present at the time of fogging can now safely inhale the micron particles of ZITRITIDE. It can clear nasal and throat infections and will not cause Adina of the lungs. There is no need to disrupt routine care of life during ZITRITIDE fogging and the area can be utilized throughout the process. It is safe for the environment, people and animals.

Therefore, ZITRITIDE's USP is to allow patients, practitioners and workers to be present during fogging / fumigation, which is not possible with any other chemically-prepared fumigants, since the concentrations of toxic substances therein, are high enough to be toxic to individuals.

Following the routine cleaning method with soap or detergent and water to remove soil and organic matter deposits, fog ZITRITIDE, which is a natural and organic disinfectant, to inactivate any remaining microorganism in susceptible environments.



The fogging process works by filling a room with a fine mist of ZITRITIDE, 5-10 micron size particles. These miniscule particles remain suspended in the air long enough to kill any airborne viral or bacterial or other microbial contamination.

ZITRITIDE thus safely disinfects any room or area, killing all harmful airborne and surface pathogenic organisms. The impact may not be sustained, since re-population of the surfaces with microbes re-occurs, by patients or personnel or other contaminating agents. There must be adequate contact with ZITRITIDE to enable it to be effective. This time will vary according to the type of presence of inactivating or interfering factors such as excessive organic material or and the presence of microbial load. Therefore repeated application of ZITRITIDE is recommended.

ZITRITIDE has been developed pro-actively to eliminate the incidences of microbial diseases which have become immune to chemical based alternatives. Also, other chemically-prepared fumigants have high concentrations of toxic substances dangerous to individuals. The safety of personnel, staff, workers as well as other occupants in a facility, e.g. patients and visitors, while using ZITRITIDE is not at all compromised, and is an important aspect of this product.

Even once infectious outbreaks occur, the only way to eradicate them is through strict cleaning and disinfecting. ZITRITIDE also offers emergency fogging to bring any outbreak under control quickly and safely without the need to close the environment to the presence of humans and other life forms.

Other possible applications would be for rooms previously occupied by patients on Contact Precautions (CP) for multidrug-resistant organisms (MDRO), to decontaminate whole areas or patient care equipment that epidemiologic investigation implicates possible involvement in clusters of HAIs. Scientific studies do show that ZITRITIDE mist is effective for patient room non-porous surfaces, including hard surface equipment for a wide range of micro-organisms (MDROs). Other potential areas include: sensitive equipment that may be difficult to disinfect after cleaning; quarantine rooms in ED (for patients with suspected or proven infectious agents); animal lab facilities. ZITRITIDE is also used in any area that is contaminated with Mould or Yeast spores. ZITRITIDE can minimise the threat of wide-spread infection posed by many potentially dangerous organisms (bacteria and fungi) such as *Clostridium* species, *Bacillus* species, *Escherichia coli*, Methicillin resistant *Staphylococcus aureus* (MRSA), *Pseudomonas aeruginosa*, *Klebsiella pneumoniae*, Vancomycin Resistant *Enterococcus faecium* (VRE), *Aspergillus* species and *Candida* species.

ZITRITIDE can also minimise the threat of viruses both enveloped (Human Influenza virus, *Severe Acute Respiratory Syndrome virus* (SARS)) and non enveloped viruses (*Human rhinovirus* and *noro-virus*).

ZITRITIDE anti-microbial solution is an active and a rapid agent with bactericidal, fungicidal and virucidal effectiveness.

The formulation contains a mixture of natural ingredients that, when combined, produce an extremely powerful anti-bacterial, anti-fungal and anti-viral agent.

APPLICATION AREAS:

ZITRITIDE must be used in all Hospitals, Nursing Homes, Day Care Centres, Trauma and Emergency Care, Cancer Centres, Research & Pathology Labs, Diagnostic Centres, Veterinary Clinics, Ambulances, etc. Preventive vehicle disinfection and decontamination is required in all ambulances and other surfaces which come in touch with patients and the general public.

BE SAFE. BE SURE. TO PREVENT & CONTROL



PRODUCT FEATURES & ADVANTAGES

•100% bio-degradable •Only alternative to all chemical fumigants •A new standard of care in infection management •Kills 99.99% of germs (bacteria, fungi (yeasts and molds) and viruses). •There is no need to shift or move anything or anyone at the time of fogging and the area can be utilized immediately during or after the fogging. •Totally safe and will not harm the environment, people or animals. •Any person either, the patient or the staff or doctors or visitors, who are present at the time of fogging and inhale the micron particles of ZITRITIDE, can clear themselves of all the nasal and throat infections present in them. •Contains active anti-microbial ingredients •Does not promote microbial resistance or mutation •Easy to store •Eco-friendly •Eliminates the potential for any microbial contamination •Free from all known drugs, preservatives and chemicals •Hypoallergenic •Long residual effect. •Non-carcinogenic •Non-corrosive •Non-mutagenic •Non-oily •Non-staining •Non-teratogenic •Non-toxic •Odourless •Possesses rapid kill time •Reduces bio-burden •Simple and easy to use •Stable at temperatures up to 130° c •Suitable for all high risk and infected areas •Suitable for repeated, long-term use •Effective against bacteria, fungi and viruses including *Escherichia coli*, *Clostridium* species, Methicillin Resistant *Staphylococcus aureus* (MRSA), *Pseudomonas aeruginosa*, *Klebsiella pneumoniae*, Vancomycin Resistant *Enterococcus faecium* (VRE), *Aspergillus* species, *Candida* species; *Human Influenza virus*, *Noro Virus* and *SARS virus*. •Works between a broad range of pH of 2 - 12.



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