



FACT SHEET 1 – ZOONO BASICS

A number of years ago, the Zoono Group, a New Zealand company, secured the exclusive world distribution rights for the two unique products originally produced by a U.S. based manufacturer. The Zoono Group ultimately reached agreement with that company for the acquisition of the manufacturing facility, its Intellectual Property and all associated patents. Zoono is also now manufactured in New Zealand.

The original technology was developed for the US Navy to control the spread of microbial infections within the confines of nuclear submarines. Until the 1990's, this cutting-edge technology was literally a military secret.

WHAT IS ZOONO?

Zoono is made from the most basic of raw organic compounds. Today, it has been re-engineered and now its 11th generation is a water based solution which provides the antibacterial, antiviral, anti-fungal and anti-algal protection of a broad spectrum antimicrobial sanitiser that continuously kills for up to one month from each application whilst being totally non-toxic for humans and animals alike.

Zoono can be applied as a mist, as a spray, even applied with a brush or used as a textile dip. It does not require mixing (ready to use) and is safe to; handle / transport / store. It is non-flammable, not classified as a "Dangerous Good" and is certified as 'Food Safe'.

When the Zoono application dries, the micro thin coating forms a super strong covalent bond with the treated surface. It can be likened to having millions of sword-shaped "road spikes" on the surface – each of which attracts, pierces the membrane of the organism (lysis) and kills via electrocution. The same Zoono molecule is capable of attacking new bacteria cells again and again with only a single application. Because it does not kill the organisms by poisoning with toxic chemicals, they cannot adapt to it so there is no possibility of mutation and consequently no possibility of superbugs forming.

Zoono is colourless, odourless, non-leaching, environmentally safe, non corrosive and whilst completely safe for humans, plants, food preparation areas and animals, is deadly for a wide range of micro organisms including bacteria, mould, fungi and viruses. Zoono has been tested in accredited laboratories throughout the world including Australia, New Zealand, USA, UK, Japan, Turkey, Germany and China. The list of pathogens inactivated by Zoono technology over an extended period of time include but are certainly not limited to:

- Staphylococcus aureus
- Pseudomonas aeruginosa
- Escherichiacoli (E Coli)
- Proteus vulgaris
- Methycillan Resistant Staphylococcus Aureus (MRSA)
- Vancomycin Resistant Enterococcus (VRE)
- Legionella strains
- Salmonella cholera suis
- Cryptosporidium parvum
- Citrobacter Freudii MS2
- Listeria monocytogenes ACM98
- Pseudomonas aeruginosa NCTC 6749
- H1N1 and ongoing strains
- Norovirus

Zoono has been proven to have a long lasting antimicrobial effect whilst having a similar LD50 toxicity level as Vitamin C. Zoono is also completely food safe and Australian TGA approved.

GermFree Bioscience Australia is a new Australian company and very proud to be a part of the Zoono Group. Zoono is now a global organisation and a listed company on the Australia Stock Exchange.

GermFree Bioscience Australia is excited to present the Zoono technology and our associated services to Australians. There are currently two products in the **GermFree Bioscience Australia** portfolio - **Microbe Shield** (surface sanitiser) and **GermFree 24** (hand sanitiser). Our range of sanitizing products and service provision will increase exponentially over time to meet your every sanitisation needs – commercially and domestically.

Zoono's 28-day **Microbe Shield** surface sanitiser application suits almost every lifestyle environment:

- Hospitals, Doctor's Surgeries, Dentists, Veterinary Clinics
- Child Care, Schools, Aged Care Facilities
- Hospitality – Hotels, Motels, Caravans, Restaurants, Bars and Cafes
- Food Manufacturing
- Florists, Bakeries, Wineries
- Air conditioning – cars/home/workplace/travel/accommodation/shops/entertainment venues
- Agriculture and Livestock Farming
- Public Transport
- Emergency Services, Prisons, Detention Centers
- Mining
- Sporting Facilities, Gyms, Sporting Facilities / Amenities
- Entertainment and Leisure Locations
- Casino's, Entertainment Venues
- Shopping Malls
- Port-a-loo, Temporary Accommodation / Disaster Management Facilities
- Aircraft and Cruise Ships
- Marine craft – Pleasure and Commercial
- Workplace Environments, Call Centers, Training Facilities
- Local / State / Federal Council/Governments
- Households, Holiday Accommodation

Zoono's companion product **GermFree24 (GF24)** is a hand sanitiser also using cutting-edge technology to provide germfree hand protection for 24 hours - from just one application per day.

Tests have proven **GF24's** effectiveness against bacteria and fungi including the two main super bugs - MRSA (Golden Staph) and VRE – and remain effective for extended periods. There is no other hand sanitiser currently on the market that can make this claim. It is also alcohol and toxin free and safe for children. No more chafing or cracked, dried out skin. No more alcohol or poisons leaching into your bloodstream either.

GermFree24 has been extensively tested and is not only effective against a variety of pathogens, but is also very kind to your skin: Dermatest Laboratories in Germany, perhaps the world's leading dermatological testing agency, tested **GermFree24** against a wide range of skin types and their results confirmed *zero* dermatological effects against any skin type tested. In fact, as a result of this testing, **GermFree24** was highly recommended by Dermatest. No other hand sanitiser on the market can make that claim.

Patents:

Zoono technology is fully patented and cannot be replicated.

Test Results are available upon request.