PURE SOUTH™ AUSTRALIA

SANITISERS, DISINFECTANTS, MISTING & FOGGING

Frequently asked questions:

Fact Sheet: Alcohol Sanitisers Vs Pure South™ Quaternary Sanitisers and disinfectants.

NOTE: Regular and efficient handwashing should be performed with soap and water as a primary step in personal hygiene and the prevention of transmissible diseases.

Pure South™ Sanitisers and Disinfectants are Commercial grade sanitisers and disinfectants manufactured under ISO9001: 2015 and Good Manufacturing Process 22716 certification.

ADVANTAGES: Pure South™ Quaternary sanitisers and disinfectants

- Pure South™ unique QuatLok advanced technology creates an invisible microscopic layer of protection on your skin which continually destroys germs and bacteria for up to 24 hours*. (*) assuming typical daily activity.
- Pure South™ Antibacterial Hand Sanitiser and disinfectants are water based (3 quaternary agents with high grade purified, deionized water). Due to cost base they are not commonly retailed to the general public as they are commercial grade sanitisers and disinfectants and more expensive than alcohol base products. The manufacturing process is complex to ensure maximum product efficacy and stability, proven patented ingredients are used.
- Pure South™ Antibacterial Hand Sanitiser is a simple and effective way to stop contact-based infection.
- Pure South™ hand sanitiser and protectant will gently moisturise and protect your skin. The non-alcohol formulation will not dry, crack or damage your hands. Hands are protected, soft and smooth. Suitable for use by children, and can be used around food, pets and plants.

Testing and certification (proof of efficacy)
Pure South™ commercial grade sanitisers and disinfectants meet European and USA international standards for killing 99.99% pathogens under standards: BS EN 1276:2009: ATCC 10541, ATCC 6538, ATCC 8739, ATCC15442 and AOAC Hard Surfaces Carrier Test 991.47 against a wide range of pathogens

World Health Organisation (WHO) Laboratory biosafety guidance related to novel coronavirus (2019-nCoV) interim guidance 12 February 2020 cites appropriate disinfectants to use in the light of the comparable genetic characteristics with SARS-CoV and MERS-CoV. WHO suggesting that 2019-nCoV may be susceptible to disinfectants with proven activity against enveloped viruses utilising certain strengths of particular ingredients. Pure South Quaternium products contain key active ingredients identified in the WHO guidance.

USE

- Pure South™ commercial grade sanitisers and disinfectants are not to be diluted.
- Apply Pure South™ Hand Sanitiser to your hands, and rub together until dry. Once applied, Pure South stays active, even after normal hand washing.The Sanitiser does not rub off and will remain active on the skin's surface for up to 24 hours. Normal washing of the hands and drying with a towel will not affect efficacy. You may apply more than once a day if desired.
- Main use is in Category 1 -4 biosafety laboratories, Pathologys, Medical, Hospitals, Schools, Childcare, Automobile, Abattoirs, Veterinary, Textiles, Aquarium, Water treatment, Food processing and handling. Any environment that requires killing: bacteria, viruses, fungi, algae.
- Quaternary ammonium compounds are commonly used in products such as cosmetics, toothpaste, contact lenses as antibacterial agents.
- Other applications include professional use in misting and fogging large public open spaces, infrastructure sites, offices, buildings, hotels, streets, trains, buses, airport and planes. Fogging surface protects hard to reach surfaces and can be applied to large areas quickly and effectively
- Unlike traditional sanitisers which kill bacteria by poison or high alcohol content, Pure South™ sanitiser is a food safe, water-based surface sanitiser applied and then allowed to dry.
- Aside from health related applications quaternaries are suitable for most surfaces (steel, plastic, fibres, rubber, wood) binding to surfaces over extended periods of time up to 24 hours on retouch surfaces and 30 days on untouched surfaces.
- Quaternaries are non-corrosive and can be used around humans, pets, fish and plants breaking down to form harmless organic compound which are not environmentally damaging.

Alcohol sanitisers advantage:

- They are cheap and readily available and familiar to the general public this is why authorities recommend these aside from bleach and chlorine (both are corrosive).
- Formulated correctly 70% alcohol content kills germs provided no organic contamination remains.

Disadvantages:

- Importantly: Alcohol sanitisers DO NOT PROVIDE EXTENDED PROTECTION AFTER APPLICATION. They are one touch sanitising. After application the alcohol quickly evaporates leaving hands and surfaces without ongoing protection. The next surface touched, including clothes, door handles and rails - your hands are contaminated again.
- Ethanol sanitisers work by dehydrating the germ cell. They are very drying to hands reducing your natural skin barrier system with multiple use.
- Ethanol in high percentage is environmentally toxic, classed as a hazardous, flammable good. To be effective alcohol content must be 70% ethanol to water.
- The effectiveness of alcohols as intermediate level germicides is limited because they evaporate rapidly, resulting in short contact times, and also lack the ability to penetrate residual organic material. They are rapidly tuberculocidal, bactericidal and fungicidal, but may vary in spectrum of virucidal activity. Items to be disinfected with alcohols should be carefully pre-cleaned then totally submerged for an appropriate exposure time (e.g., 10 minutes). **Reference:** https://www.cdc.gov/labs/pdf/CDC-BiosafetyMicrobiologicalBiomedicalLaboratories-2009-P.PDF
- Alcohol sanitisers are not suitable for fogging.