Chemistry: QAC water based — alcohol free	**Certification:** SANAS certified 99.9% kill rate — Cert. No. 2017IS/TS/0338	**Contact Time:** Minimum 15 second wet contact time

GEARTH PureSan is a potent QAC water-based, alcohol-free 99.9% anti-bacterial hand sanitiser, approved to EN 1276 testing standards for use in food, industrial, domestic and institutional areas. It is non-flammable and considerably kinder to the skin than many alcohol formulations.

Alcohol-free QAC formulations deliver materially better long-term anti-bacterial protection than some alcohol formulations — up to four hours after application. QAC alcohol-free hand sanitisers are scientifically proven effective against COVID-19 in 15 seconds. PureSan is independently Toxicology Risk Assessment Approved and HACCP standards compliant for use in the food industry.

1 KEY FEATURES & BENEFITS

- QAC hand sanitisers are scientifically proven effective against COVID-19 in just 15 seconds
- QAC water based — alcohol free
- 99.9% anti-bacterial, tested to EN 1276 standards
- SANAS laboratory certified — Certification No. 2017IS/TS/0338
- Highly effective against enveloped viruses, gram-positive and gram-negative bacteria, and yeasts
- Counter-ion technology
- Residual skin protecting properties — protection persists up to four hours after application
- Grime penetrating technology for hands that have not been washed first
- Softer on the skin than many alcohol-based formulations, potentially reducing eczema
- Alcohol free formulations can reduce alcohol-related poisonings
- Non-flammable formulation
- Toxicology Risk Assessment Approved and HACCP standards compliant

2 APPLICATIONS

- Food processing and food handling environments
- Industrial and mining sites
- Institutional facilities — hospitals, clinics, schools and care homes
- Commercial and corporate premises
- Domestic use
- Environments where alcohol sanitiser presents a flammability or ingestion risk

3 DIRECTIONS FOR USE

- Step 1 — Dispense: Form a cup with one hand and apply a sufficient amount of product, approximately 2 ml, into the hand.
- Step 2 — Fingernails: Dip the fingernails of the other hand into the liquid for about 5 seconds.
- Step 3 — Repeat: Form a cup with the other hand and repeat the process.
- Step 4 — Rub in: Rub the liquid into the palms, covering the backs of the hands and taking care to apply between the fingers.

- Step 5 — Air dry: Allow to self-dry, permitting a minimum 15 second wet contact time.

4 TECHNICAL SPECIFICATIONS

Physical State	Liquid — water based
Active Chemistry	Quaternary ammonium compound (QAC); alcohol free
Efficacy	99.9% anti-bacterial, tested to EN 1276
Certification	SANAS laboratory certified — Certification No. 2017IS/TS/0338
Spectrum	Enveloped viruses, gram-positive and gram-negative bacteria, and yeasts
COVID-19	QAC alcohol-free sanitisers scientifically proven effective against COVID-19 in 15 seconds
Contact Time	Minimum 15 second wet contact time
Dose	Approximately 2 ml per application
Residual Protection	Residual skin protection up to 4 hours after application
Additional Technology	Counter-ion technology; grime penetrating technology for unwashed hands
Flammability	Non-flammable
Approvals	Toxicology Risk Assessment Approved; HACCP standards compliant for food industry use
Skin Compatibility	Softer on the skin than many alcohol-based formulations
Country of Manufacture	South Africa

5 STORAGE & SHELF LIFE

Shelf Life	Stable for 24 months
Storage Conditions	Store in a cool, dry place out of direct sunlight.

This Technical Data Sheet reflects GEARTH's current product specification and application guidance at the date of issue. GEARTH (Pty) Ltd continually develops its formulations and reserves the right to revise specifications without prior notice. Because site conditions, substrates and effluent loads vary, the user remains responsible for confirming suitability for a specific application — GEARTH technical staff are available to assist with site-specific dosing and trial protocols. Handle all products in accordance with the applicable Safety Data Sheet and South African health, safety and environmental legislation.