



EDS
CHEMICALS 

GP² HAND & SURFACE SANITISER

About EDS Chemicals (Pty) Ltd

EDS Chemicals (Pty) Ltd is a global company that manufactures and sells **premium environmentally friendly** degreasers and sanitising cleaning agents.

We are a **truly green** company encompassing the spirit of protecting the planet and the environment.

The GP² product range offers an **eco-friendly, water based products** that contain **no harmful solvents** and have **excellent anti-bacterial qualities**.



Bringing **sustainability** to chemical products and processes in the environment.

Why Choose GP²



The GP² product range is proudly supplied to Europe, Asia, Middle East and African diplomatic missions and embassies.



The lab tested GP² product range offers a safe, eco-friendly, green, water soluble solution with excellent anti-bacterial qualities.



100% Bio kill rate by an independent SANAS laboratory over a 48 hour period.



The only sanitiser in the world that is non-alcohol based, non-flammable and non-toxic.

* FDA Compliant * SABS:SANS 1828 Compliant
* Food Grade Safe



The GP² product range is a water based product containing no harmful solvents.



Prevent the contraction and spread of COVID-19 with the GP² Hand & Surface Sanitiser.
Make cleaning and disinfecting surfaces easy and convenient by removing viruses, germs, bacteria and grease.

Alcohol-based vs GP² Alcohol-free Sanitisers

ALCOHOL-BASED SANITISER	GP ² ALCOHOL-FREE SANITISER
ALCOHOL TOXICITY Most liquid hand sanitizers contain a large amount of ethyl or isopropyl alcohol. Therefore, they should be stored out of your child's reach and only used with adult supervision. If ingested, alcohol toxicity can even lead to alcohol poisoning.	ALCOHOL FREE The GP ² Hand & Surface Sanitiser kills more resilient germs such as Norovirus, E.coli, P.aeruginosa, S.aureus, A.brasiliensis and the usual bacteria. Is non-tainting to equipment and wood, unlike bleach or alcohol based products, which can strip surfaces.
DRY SKIN & RISK OF INFECTION When used too frequently, alcohol-based hand sanitizers can wash away your skin's natural oils, which can cause drying and cracking. Dry, cracked cuticles and skin can offer an entry point for germs to enter the body and cause infection.	IMPROVES SKIN CONDITION The GP ² Hand & Surface Sanitiser is enhanced with skin conditioners which help maintain & improve skin condition and even moisturise dry hands.
FIRE HAZARD Most hand sanitizers on the market contain a high volume of alcohol, enough to be considered a fire hazard. Alcohol-based sanitisers are classified as Class I Flammable Liquid substance.	NON-FLAMMABLE The GP ² Hand & Surface Sanitiser has no flash point, therefore fire hazard safe. The GP ² Hand & Surface Sanitiser is non-toxic therefore safe for children and adults.
RESIDUAL PROTECTION Did you know that alcohol-based hand sanitizers become ineffective as soon as their concentration drops below a certain amount - i.e. as soon as some of it has evaporated off your hands? The protection from an alcohol-based sanitizer is only as long as you can feel it on your skin - once it evaporates, the protection ends.	48 HOUR PROTECTION In contrast, alcohol-free hand sanitisers, the GP ² Hand & Surface Sanitiser has a 100% Bio kill rate by an independent SANAS laboratory over a 48 hour period. The GP ² Hand & Surface Sanitiser will last longer and have a deeper cleansing effect.
RELIGIOUS CONCERNS Alcohol is not permissible for practicing Muslims	RELIGIOUS CONCERNS GP ² Hand & Surface Sanitiser is non-toxic, non-skin drying, non-flammable and does not offend practising Muslims or Vegans. FDA Compliant SABS:SANS 1828 Compliant Food Grade Safe

Alcohol Versus Sodium Hydroxide As A Hand Sanitizer

With the current focus world-wide on the Covid-19 (Corona Virus) hand sanitizers which traditionally have used an ethanol (alcohol) base have been widely recommended as an effective destroyer of envelope viruses, which the Corona Virus is. However they need to contain at least 60% ethanol.

Note: The envelope is composed of two lipid layers interspersed with protein molecules and may contain material from the membrane of a host cell as well as that of viral origin.

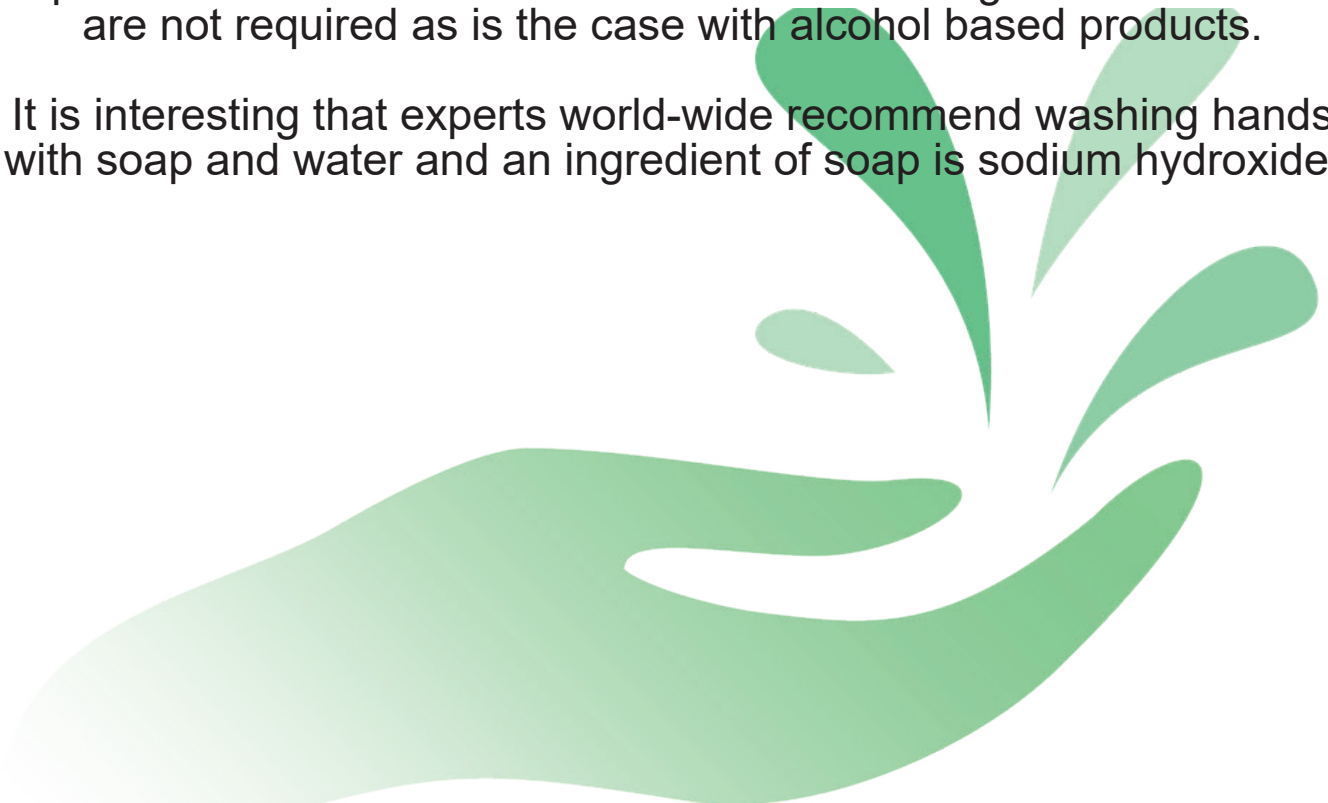
Hospitals use ethanol at 80% and this is effective against most envelope viruses in breaking down the protein barrier. However some viruses have developed a resistance to ethanol.

Sodium Hydroxide which is a common ingredient in soap has been shown to be effective in removing proteins, nucleic acids, yeast, bacteria and viruses.

Sodium Hydroxide is a particularly severe protein denaturing agent that inactivates the virus extremely rapidly by attacking the outer protein envelope.

It performs better than the ethanol in that such high concentrations are not required as is the case with alcohol based products.

It is interesting that experts world-wide recommend washing hands with soap and water and an ingredient of soap is sodium hydroxide.



The Eco Friendly GP² Product Range

The GP² product range includes **cleaning agents, sanitisers and degreasers** for households, hospitality, food industries, commercial as well as light and heavy industries.



(750ml, 5L, 25L & 1000L)

GP² Industrial Degreaser & Sanitiser

- 100% Kill rate for up to 48 hours.
- Water based
- No flash point
- No harmful solvents
- High strength industrial degreaser (SABS:SANS 1828 Compliant)
- Used in the mining, petroleum, industrial, commercial and heavy engineering industries.



(750ml, 5L, 25L & 1000L)

GP² Commercial Sanitiser

- 100% Kill rate for up to 48 hours.
- Water based
- No flash point
- No harmful solvents
- Multi-surface cleaner
- FSSC 22000 and HACCP compliant food manufactures making it food grade safe.



(50ml, 500ml, 750ml, 1L, 5L, 25L & 1000L)

GP² Waterless Hand Cleaner

- Kills 99.9% of surface germs for up to 48 hours.
- Water based
- No flash point
- No harmful solvents
- Gently cleans the toughest dirt and grease.
- Non-toxic
- Prevents dry skin with its moisturising qualities.

About GP² Hand & Surface Sanitiser

The mist spray offers excellent coverage for a myriad of surfaces.

The high quality mist-like spray spreads evenly and perfectly on all surface areas.

An effective hand sanitiser against illness and disease.

Making cleaning and disinfecting multi-surfaces easy and convenient by removing germs, bacteria and grease.

A water based product containing no harmful solvents.

FDA Compliant
SABS Certified &
Food Grade Safe

Alcohol free, non-flammable and non-toxic product.

Enhanced with skin conditioners which prevents dry skin with its moisturising qualities.

Kills 99.9% of surface germs for up to 48 hours.

Eco friendly product for a green lifestyle.



SABS

Permit to Apply Certification Mark

Subject to the provisions of the Standards Act, 2008
(Act 8 of 2008), the relevant regulations made thereunder and the permit
conditions contained in the under mentioned schedules, this permit authorizes

EDS CHEMICALS (PTY) LTD
EDENVALE

to apply the certification mark



in respect of the mark specification

SANS 1828:2016

**TO: CLEANING CHEMICALS FOR USE IN THE FOOD
INDUSTRY**

This permit, including the schedules 1 to 3 which form an integral part thereof:

- is issued without alteration;
- is identified by the applicable permit number;
- is subject to any condition or limitation contained therein;
- is valid subject to ongoing compliance with permit conditions;
- bears the embossed SABS Commercial seal. In the absence of the seal, the permit and the schedules shall be invalid; and
- the permit may be authenticated by referring to the register of "Certified Clients" on the SABS Commercial website (www.sabs.co.za)

Permit Number **10737/16894**

Effective Date **28 August 2017**

Expiry Date **28 August 2020**

Date of Original Registration **28 August 2017**

Chief Executive Officer *R. Mchomakulu*



SABS COMMERCIAL SOC Ltd.
1 De Laegan Rd, Groenkloof, Pretoria,
Republic of South Africa

A4A0007031

25525M



FOOD CONSULTING SERVICES

ENTERPRISE NO. 2009/099646/23

VAT. NO. 4860176918

P.O. Box 1461
Halfway House
1685
South Africa

Tel: (011) 315-5007/8
Fax: (011) 315-5029
info@foodconsulting.co.za
www.foodconsulting.co.za



OUR REFERENCE: FCS 611 03 18
13 MARCH 2018

EDS PROJECTS (PTY) LTD
P. O. BOX 762
RANDPARK RIDGE
RANDBURG
2156

ATTN: JULIE DAVIES
TEL: 082 856 0904
FAX: 086 626 7416
E-mail: julie@edsprojects.co.za

MICROBIOLOGICAL TEST REPORT RE: ANTI-MICROBIAL EFFICACY EVALUATION

The following samples were received on 20 February 2018 for anti-microbial efficacy evaluation only.

Sample	Description
SS-173-1	GP2, sanitiser and degreaser
SS-173-2	GP2, degreaser and sanitiser
SS-173-3	GP2, hand cleaner

Testing commenced on 07 March 2018 and was completed on 12 March 2018.

METHODS

The following standard FCS methods were used. Tests marked with an asterisk (*) in this report are not included in the SANAS Schedule of Accreditation for this laboratory.

*TH001A Swabbing of surfaces
TM006 Standard plate count

Protocol (Not SANAS accredited):

- 1) *E. coli*, *P. aeruginosa*, *S. aureus* and *A. brasiliensis* cultures were used.
- 2) 1ml of each culture was applied onto a clean, sterilised melamine surface. The solution was evenly spread onto the working surface. 1ml of the culture was also enumerated to obtain an exact count.
- 3) 1ml of each test solution was applied to each working surface and evenly spread onto the surface.
- 4) After 5 minutes, 24 hours and 48 hours contact time the working surface was swabbed. The swab was then tested as per procedure TM006 to determine the bacterial count after application of the test solution.

"QUALITY ASSURANCE IS BUSINESS INSURANCE"

INCORPORATING: MICROBIOLOGICAL LABORATORY SERVICES
MEMBERS: T.G. THOMPSON (MANAGING), H.A. THOMPSON, G. LAWRENCE, S. RIMMELL
TESTS PERFORMED AT: FCS; 55 LOURENS DRIVE, HALFWAY HOUSE, MIDRAND, 1685, SOUTH AFRICA

OUR REFERENCE: FCS 611 03 18

The results in this report reflect only the analysis of the above-mentioned samples in the condition they were received (comments/ notes will be made in the event that samples deviate from the norm or any visual defects are noted). Only the results of the indicated methods are accredited, the comments and interpretations of the above mentioned results fall outside the scope of accreditation. This report may not be reproduced except in full. Extracts can be reproduced only with the express written permission of an FCS signatory. Method validations performed, prove that the results obtained and recorded in this report, fall within a 95% confidence level at k=2.

RESULTS

After 5 min:

<i>E.coli</i> :	Sample SS-173-1:	0% Kill rate
<i>S.aureus</i> :	Sample SS-173-1:	0% Kill rate
<i>P. aeruginosa</i> :	Sample SS-173-1:	0% Kill rate
<i>A. brasiliensis</i> :	Sample SS-173-1:	99.8% Kill rate

After 24 hours:

<i>E.coli</i> :	Sample SS-173-1:	~100% Kill rate
<i>S.aureus</i> :	Sample SS-173-1:	~100% Kill rate
<i>P. aeruginosa</i> :	Sample SS-173-1:	~100% Kill rate
<i>A. brasiliensis</i> :	Sample SS-173-1:	~100% Kill rate

After 48 hours:

<i>E.coli</i> :	Sample SS-173-1:	~100% Kill rate
<i>S.aureus</i> :	Sample SS-173-1:	~100% Kill rate
<i>P. aeruginosa</i> :	Sample SS-173-1:	~100% Kill rate
<i>A. brasiliensis</i> :	Sample SS-173-1:	~100% Kill rate

After 5 min:

<i>E.coli</i> :	Sample SS-173-2:	0% Kill rate
<i>S.aureus</i> :	Sample SS-173-2:	~100% Kill rate
<i>P. aeruginosa</i> :	Sample SS-173-2:	~100% Kill rate
<i>A. brasiliensis</i> :	Sample SS-173-2:	~100% Kill rate

After 24 hours:

<i>E.coli</i> :	Sample SS-173-2:	~100% Kill rate
<i>S.aureus</i> :	Sample SS-173-2:	~100% Kill rate
<i>P. aeruginosa</i> :	Sample SS-173-2:	~100% Kill rate
<i>A. brasiliensis</i> :	Sample SS-173-2:	~100% Kill rate

After 48 hours:

<i>E.coli</i> :	Sample SS-173-2:	~100% Kill rate
<i>S.aureus</i> :	Sample SS-173-2:	~100% Kill rate
<i>P. aeruginosa</i> :	Sample SS-173-2:	~100% Kill rate
<i>A. brasiliensis</i> :	Sample SS-173-2:	~100% Kill rate

Our reference: FCS 611 03 18

After 5 min:

<i>E.coli</i> :	Sample SS-173-3:	~100% Kill rate
<i>S.aureus</i> :	Sample SS-173-3:	~100% Kill rate
<i>P. aeruginosa</i> :	Sample SS-173-3:	~100% Kill rate
<i>A. brasiliensis</i> :	Sample SS-173-3:	99.70% Kill rate

After 24 hours:

<i>E.coli</i> :	Sample SS-173-3:	~100% Kill rate
<i>S.aureus</i> :	Sample SS-173-3:	~100% Kill rate
<i>P. aeruginosa</i> :	Sample SS-173-3:	~100% Kill rate
<i>A. brasiliensis</i> :	Sample SS-173-3:	~100% Kill rate

After 48 hours:

<i>E.coli</i> :	Sample SS-173-3:	~100% Kill rate
<i>S.aureus</i> :	Sample SS-173-3:	~100% Kill rate
<i>P. aeruginosa</i> :	Sample SS-173-3:	~100% Kill rate
<i>A. brasiliensis</i> :	Sample SS-173-3:	~100% Kill rate



PROOFED BY
Mohamed Cara

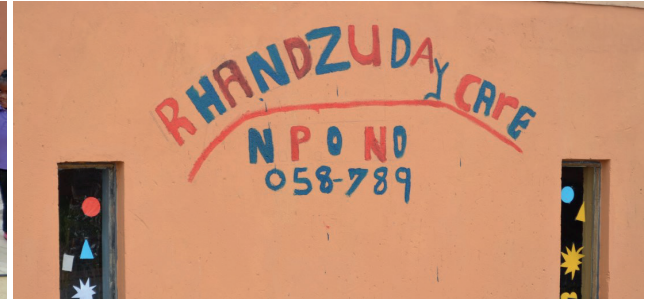


TECHNICAL SIGNATORY
Mohamed Cara

MC²

End of report

Rhandzu Day Care Centre GP² Initiative



EDS Chemicals (Pty) Ltd

Cleaning Rhandzu Day Care with GP² Bi-odegradable degreaser and sanitiser.

"There can be no keener revelation of a society's soul than the way in which it treats its children."

Nelson Mandela

Contact Information



Julie Davies
+27 (0) 82 856 0904
julie@edsprojects.co.za

Mel Billet
+27 (0) 62 671 9260
mel@edsprojects.co.za

Monica Ratswana
+27 (0) 71 418 2128
mratswana7@gmail.co.za
monica@edsprojects.co.za

Sibusiso Gunene
+27 (0) 82 754 3246
vusi@kirinox.co.za



Scott Rogers
+44 73 117 52089
scott@edsprojects.co.uk



Quirin Schreyer
+49 174 685 7775
quirin@edschemicals.eu



Cedric
cedric.flotron@bratschi.ch
Scott Rogers
scott@edsprojects.co.uk



Kelly Wright
+61 46 616 181