



MATERIAL SAFETY DATA SHEET

Description: SAF EA SANIPURE **Revision Number:** 01

Document Number: MSDS S022

ANTISEPTIC HAND STERILIZER WITH RESIDUAL ACTIVITY

GENERAL

SAF - EA SANIPURE ensures immediate sterilisation of the hands; it dries quickly and does not leave a sticky layer. It is used to supplement routine hand washing and drying. It is ideal for use before handling foodstuffs or patients where absolute cleanliness is essential.

FORMULATION

SAF - EA SANIPURE is based on an alcohol blend, food approved skin conditioners and antibacteriacides.

PRODUCT DESCRIPTION

TEST	UNIT	SPECIFICATION
Appearance		Clear light green gel
Density	g/cm ³	0.90 – 0.94
pH		7.1 – 8.6
Viscosity (30/3)	mPa.s	3500 - 4500

PROPERTIES

- Kills 99.9% of most disease-causing micro-organisms within 60 seconds
- Lethal activity against microbes last long after application
- Leaves no residual fragrance or harmful residue
- Provides a pleasant after-feel on the hands leaving skin smooth and silky
- Non-toxic, non sticky, non-greasy
- Able to handle food or patients immediately after use
- Biodegradable

APPROVED IN ACCORDANCE WITH SANS1853

Prepared by: Sabelo Dladla

Reviewed by: Doug Cutter

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APPLICATION

Place 5 grams (1 teaspoon) of SAF - EA SANIPURE onto the hands and spread around the skin with a washing action until dry. Do not wipe off but allow the formulation time to evaporate and to kill surface bacteria. Allow application duration of approximately one minute.

SAF - EA SANIPURE COMBATS:

The active disinfectant of SAF - EA SANIPURE is a unique blend of biocidal amine and QAC, shown to be effective against the following pathogenic organisms

BACTERIA

<i>Brevibacterium ammoniogene</i>	<i>Salmonella tyhi</i>
<i>Chlamydia psittaci</i>	<i>Salmonella typhimurium</i>
<i>Enterobacter aerogenes</i>	<i>Shigella dysenteriae</i>
<i>Enterobacter cloacae</i>	<i>Shigella flexneri</i>
<i>Escherichia coli</i>	<i>Shigella sonnei</i>
<i>Escherichia coli (Methicillin resistant)</i>	<i>Serratia marcescens</i>
<i>Klebsiella pneumoniae</i>	<i>Staphylococcus aureus</i>
<i>Klebsiella pneumoniae (Methicillin resistant)</i>	<i>Staphylococcus aureus (Methicillin resistant)</i>
<i>Mycobacterium tuberculosis</i>	<i>Staphylococcus epidermidis</i>
<i>Proteus vulgaris</i>	<i>Streptococcus faecalis</i>
<i>Pseudomonas aeruginosa</i>	<i>Streptococcus faecalis (Methicillin resistant)</i>
<i>Salmonella choleraesuis</i>	<i>Streptococcus pyogenes</i>

VIRUSES

Influenza A/PR
Herpes Simplex Type 1
Hepatitis B
HIV-1 (aids virus)
Rubella
Vaccinia

FUNGI

Aspergillus niger
Aspergillus versicolor
Candida albicans
Cladosporium cladosporoides
Microsporum canis
Penicillium glaucum
Penicillium verrucosum
Trichophyton mentagrophytes (athlete's foot fungus)

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THE RECOMMENDATIONS CONTAINED HERE-IN IS BASED ON LABORATORY TEST AND INFIELD USE EXPERIENCE, AND ARE TO THE BEST OF OUR KNOWLEDGE ACCURATE. SINCE TERMS AND CONDITIONS OF ACTUAL USE ARE BEYOND OUR CONTROL, ALL RECOMMENDATIONS ARE MADE WITHOUT WARRANTY, EXPRESS OR IMPLIED.

CONTROLLED DOCUMENT

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Company Details

Name	S.A.F.I.C (PTY) LTD	Tel:	+27 11 406 4000
Address	32 Steele Street, Steeledale, JHB	Fax:	+27 11 406 4252
Postal Address	PO BOX 1754, Alberton , 1450	e-mail:	technical@safic.co.za

1. Product Identification

Trade Name	SAF - EA SANIPURE	Product code: S022
Chemical Family	Alcohol, glycol, skin conditioners and QAC	
Chemical Name	Formulated chemical	
Product Use	Hand sanitizing	

2. Composition

CAS No.	Hazardous Components	Approx. %	OSHA PEL
64-17-5	Alcohol	> 50	TWA 1000 ppm 1900mg/m ³
108-65-6	PROPYLENE GLYCOL	0.3-0.5	Hazardous in case of ingestion. Eye contact (irritant), of inhalation.
124-68-5	AMP95	0.25-0.35	Irritating to eyes.
EEC Classification	Irritant, SAF – EA SANIPURE		
R Phrases	R36, SAF – EA SANIPURE		

3. Hazards Identification

Main hazard	Irritant in contact with eyes.
Inhalation	Avoid excessive inhalation of vapours
Skin contact	Product contains skin conditioners
Eye contact	May irritate the eyes
Ingestion	May cause initial inebriation

4. First Aid Measures

Inhalation	Move patient to fresh air.
Skin contact	No ill effect. Use as recommended
Eye contact	Flush eyes with water for at least 15 minutes.
Ingestion	Allow patient as much water as possible. Allow to rest in well ventilated area

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5. Fire Fighting Measures

Flammability	The product is not flammable, but contains flammable alcohol. The product will support combustion. Use extinguishing media suitable to surrounding area.
Special hazard	Product will support combustion.
Protective equipment	Self contained breathing apparatus (NIOSH approved) or equivalent should be utilised.

6. Accidental Release Measures

Personal precaution	Avoid contact with eyes.
Environmental precaution	Prevent discharge of large quantities into storm water drains.
Small spills	Dilute with water and run to waste with large quantities of water
Large spills	Prevent entry into sewers, dike ahead of spill. Remove excess with absorbent material And flush residue with lots of water

7. Handling & Storage

Handling	Avoid inhaling excessive quantities of vapour
Storage	Store in a cool dry area. Keep containers properly sealed to eliminate evaporation

8. Exposure Controls/Personal Protection

Avoid contact with eyes.
No special protection needed if used in proper manner (as hand sanitizer)

9. Physical and Chemical Properties

Appearance	Clear light green gel
pH	7.1 - 8.6
Specific gravity	0.90 – 0.94
Viscosity (30/3) mPa.s	3500 - 4500

10. Stability and Reactivity

Stability	Stable under normal conditions.
Incompatible materials	Oxidizing agents

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Hazardous decomposition products	None known
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11. Toxicological Information (based on ethyl alcohol)

Toxicity	Acute oral: 3600 mg/kg, mouse. Acute dermal: 12800 mg/kg, rabbit.
Carcinogenicity	No evidence of carcinogenic properties.
Mutagenicity	No evidence of mutagenic effects.
Teratogenicity	No evidence of teratogenic effects.
Reproductive hazard	Not expected to impair fertility.

12. Ecological Information (based on ethyl alcohol)

Aquatic toxicity	Trout: LC ₅₀ = 13000 mg/l/96 hr Fathead minnow: LC ₅₀ = 15300 mg/l/96 hr
Biodegradability	Possible hazardous degradation products are not likely
Bio accumulation	No possibility of bio accumulation

13. Disposal Considerations

Dispose off at waste disposable company that complies with local and national legislation. Do not discharge to effluent.	
Disposal of packaging	Recycle or wash thoroughly to be re-used.

14. Transport Information

Substance identity no	S022
ADR/RID class	N/A
IMDG – packaging group	IV
Marine Pollutant	No
IMO/IMDG Classification	N/A
IATA Classification	N/A

15. Regulatory Information

EEC-hazard classification	Irritant (Xi)
Risk phrases	R36
Safety phrases	S7, S16 S25

16. Other Information

References: SABS 0265: 1999, SABS 0228: 1995, SABS ISO 11014-1: 1994, M.S.D.S. (Suppliers of raw's)

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EMERGENCY NUMBERS: 011 406 4000 / 082 412 2298

The information in this MSDS is based on current knowledge and experience at the date of publication. This MSDS summarises our best knowledge of the health and safety hazard information of the product and is intended only as a guide to the appropriate precautionary handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification of the product. The data relates only to the specific product designated, and does not relate to use of the product in combination with any other material or use of the product in any process. The data is not intended to constitute performance information concerning the product. No express warranty, or implied warranty of merchantability for fitness for a particular purpose is made with respect to the product, its composition, its safety or the information contained in this MSDS sheet.

APPENDIX A

Revision Date (dd/mm/yy)	Issued By	Revision History		Revision No.
		Description	DCN No.	
11/02/2011	Technical Manager	New Issue	MSDS S022	00
20/10/2016	Operations Director	Review	MSDS S022	01

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