



MATERIAL SAFETY DATA SHEET

Description: SAF HAND SANITISER (QAC FREE) **Revision Number:** 01

Document Number: MSDS H005

QAC FREE ANTISEPTIC HAND STERILIZER WITH RESIDUAL ACTIVITY

GENERAL

The SAF HAND SANITISER (QAC FREE) 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 HAND SANITISER (QAC FREE) is based on an alcohol blend, food approved skin conditioners and anti-bactericides. It is classified as a non Quaternary Ammonium Compound (QAC).

PRODUCT DESCRIPTION

TEST	UNIT	SPECIFICATION
Appearance		Opaque straw coloured liquid
Density	g/cm ³	0.90 – 0.94
pH		7.0 – 9.0

PROPERTIES

- Kills 99.9% of most disease-causing micro-organisms within 60 seconds
- Lethal activity against microbes lasts 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

APPROVED IN ACCORDANCE WITH SANS1853

Prepared by: Sabelo Dladla

Reviewed by: Doug Cutter

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APPLICATION

Spray enough (about 1 teaspoon) of SAF HAND SANITISER (QAC FREE) 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 SANITISER (QAC FREE) COMBATS:

The active disinfectant of SAF HAND SANITISER (QAC FREE) is a unique blend of alcohols, surfactants and biocide that is highly active against a wide range of bacteria, moulds and yeasts including the following pathogenic organisms which are encountered where a high degree of disinfection is required.

BACTERIA

Aerobacter aerogenes
Escherichia coli
Proteus vulgaris
Pseudomonas earuginosa
Salmonella typhi
Staphylococcus aureus
Streptococcus faecalis

MOULDS

Alternaria tenuis
Aspergillus niger
Chaetomium globosum
Cladosporium sphaerospermum
Penicillium notatum
Trichoderma viride

YEASTS

Candida albicans
Saccharomyces cerevisiae

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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 HAND SANITISER (QAC FREE)	Product code: H005
Chemical Family	Alcohol, glycol, skin conditioners and biocide.	
Chemical Name	Formulated chemical	
Product Use	Hand sanitising	

2. Composition

CAS No.	Hazardous Components	Approx. %	OSHA PEL
8013-70-5	Alcohol	< 50	TWA 1000 ppm 1900mg/m ³
5949-29-1	CITRIC ACID MONOHYDRATE	< 1.0	Irritant
13235-36-4	EDTA	< 0.2	Skin Contact - Wash immediately with water.
EEC Classification	Irritant, SAF HAND SANITISER (QAC FREE)		
R Phrases	R36, SAF HAND SANITISER (QAC FREE)		

3. Hazards Identification

Main hazard	Irritant in contact with eyes.
Inhalation	Avoid excessive inhalation of vapours
Skin contact	Product contains skin conditioners, avoid unnecessary prolonged contact.
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

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.
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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	Keep out of reach of children. 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)
Safety goggles (VNC11 – MSA supplier) should be worn should eye contact be a risk.

9. Physical and Chemical Properties

Appearance	Opaque straw coloured liquid
pH	7.0 – 9.0
Specific gravity	0.90 – 0.94

10. Stability and Reactivity

Stability	Stable under normal conditions.
Incompatible materials	Oxidizing agents
Hazardous decomposition products	None known

11. Toxicological Information (based on Iso-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.

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Reproductive hazard	Not expected to impair fertility.
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12. Ecological Information (based on Iso-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	H005
ADR/RID class	N/A
IMDG – packaging group	III
Marine Pollutant	No
IMO/IMDG Classification	N/A
IATA Classification	N/A

15. Regulatory Information

EEC-hazard classification	None
Risk phrases	R36
Safety phrases	S2, S7, S16, S36/39

16. Other Information

References: SABS 0265: 1999, SABS 0228: 1995, SABS ISO 11014-1: 1994, M.S.D.S. (Suppliers of raw's)
Issued by: Sabelo Dladla
EMERGENCY NUMBERS: 011 406 4000 / 082 412 2298

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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.	
11/04/2013	Technical Manager	New Issue	MSDS H005	00
03/10/2017	Operations Director	Review and update of Section 14	MSDS H005	01

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