



MATERIAL SAFETY DATA SHEET

Description: SAF KLEEN

Revision Number: 02

Document Number: MSDS K001

ANTI-BACTERIAL SURFACE CLEANER

GENERAL

SAF-KLEEN is an anti-bacterial all-purpose cleaner with no smell. The raw materials used in SAF-KLEEN are suitable for use in food processing areas.

FORMULATION

SAF-KLEEN contains non-ionic surfactants, coconut derivatives, quaternary ammonium compound, water softening and dirt dispersants, preservative, and colouring agents.

PRODUCT DESCRIPTION

TEST	UNIT	SPECIFICATIONS
Appearance		Clear green liquid
Density	g/cm ³	1,01 - 1,03
% Volatile by volume		86
pH		9,0 - 10,0

PROPERTIES

- ❖ Approved in accordance with SABS 1853 – Disinfectants and detergent disinfectants for use in the food industry
- ❖ General purpose cleaner
- ❖ No odour
- ❖ Contains anti-bacterial ingredients

APPLICATION

For disinfection purposes dilute product at 1:20 and allow 5 minutes of contact time.

The dilution rate of SAF-KLEEN can vary between 1:10 to 1:30 for disinfecting purposes allowing 5 min contact time, depending on the requirements.

Apply diluted product by spray, brush or mop.

Agitate and rinse.

BACTERICIDAL PROPERTIES

Bactericidal Activity: 99.9 % kill in 5minutes (Tested in accordance with SABS636-1971)

REGISTRATION NUMBER: ACT 29GNR529/205700/040/627

COMPLIES WITH SANS 1853

Prepared by: Sabelo Dladla

Reviewed by: Zanele Mthimunye

Status: Issued

Approved by: Doug Cutter

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THE RECOMMENDATIONS CONTAINED HERE-IN IS BASED ON LABORATORY TESTS 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

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Postal Address	PO BOX 1754, Alberton North, 1450	e-mail:	technical@safic.co.za

1. Product Identification

Trade Name	SAF-KLEEN	Product Code: K001
Chemical Family	Non-ionic surfactants, coconut derivatives, water softening and dirt dispersants & an anti-microbial agent.	
Chemical Name	Formulated chemical	
Product Use	General purpose cleaner (anti-microbial)	

2. Composition

CAS No.	Hazardous Components	Approximate %	Limit
N/A	None	N/A	N/A
EEC classification	Irritant (Xi), SAF – KLEEN		
R Phrases	R36/38, SAF - KLEEN		

3. Hazards Identification

Main hazard	Irritant
Inhalation	No effects
Skin contact	Irritant. Prolonged or frequent contact may lead to defatting of skin
Eye contact	Irritant. Burning
Ingestion	Nausea, vomiting

4. First Aid Measures

Inhalation	No effects
Skin contact	Rinse area well with water. If necessary, use a hand-cream to replenish moisture.
Eye contact	Flush eyes with water for at least 15 minutes. Irrigate eyes thoroughly while lifting eyelids and rolling eyeballs. If irritation persists, seek medical attention.
Ingestion	Rinse mouth with water, and allow patient as much water as possible. If large quantities have been swallowed obtain medical attention (treat for QAC ingestion).

5. Fire Fighting Measures

Extinguishing media	Product non-flammable. Use extinguishing agents suitable for surrounding fire.
Special hazard	None known

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Protective clothing	Approved self contained breathing apparatus should be utilised or equivalent equipment.
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6. Accidental Release Measures

Personal precaution	Avoid prolonged contact with the product. Product may render surfaces slippery.
Environmental Precautions	When disposing large quantities, the alkaline nature of the product should be considered.
Small spills	Remove excess with absorbent material and flush residue with plenty of water.
Large spills	Dyke ahead of liquid spill for later disposal. Prevent the discharge of large amounts of concentrated product into sewerage, and watercourses.

7. Handling & Storage

Handling	Normal handling procedure for detergents to minimise chemical exposure.
Storage	Store in a cool dry area. Keep containers sealed. No special requirements.

8. Exposure Controls/Personal Protection

Workers should have access to an eye wash fountain.
If the specific application may result in splashing, safety goggles (VNC11 – supplier – MSA) should be supplied.
If prolonged or frequent contact is expected, NEOPRENE gloves (Technic 420 – supplier – MSA) should be utilised

9. Physical and Chemical Properties

Appearance	Clear green liquid
pH	9.0 – 10.10
Density	1.01 – 1.03 g/cm ³
Foam test	Low (1%)
Solubility (water)	100 %

10. Stability and Reactivity

Stability	Stable under normal conditions.
Incompatible materials	Strong acids
Hazardous decomposition products	None known

11. Toxicological Information (based on Q.A.C.)

Toxicity	Acute oral LD50 : 457 – 750 mg/kg
	Acute dermal : LD50 : 1560 mg/kg
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 Q.A.C)

Toxicity – daphnia magna	96 hr (static) LD50 : 0.18 mg/l
Toxicity – fathead minnow	48 hr (static) LD50 : 5.2 mg/l
Toxicity – algae	MIC : 25 ppm (a.i.)
Biodegradability	> 90 % determined by method : OECD 303 A

13. Disposal Considerations

Dilute product 1000 times and run to waste with plenty of water for small quantities. Disposal must be done in accordance with local legal provisions	
When disposing of large quantities, dispose as per local agreed government method.	
Disposal of packaging	Recycle or provide to drum collectors.

14. Transport Information

Substance identity no	K001
ADR/RID class	N/A
Marine Pollutant	No
IMO/IMDG Classification	N/A
IATA Classification	N/A

15. Regulatory Information

EEC-hazard classification	Irritant (Xi)
Risk phrases	R36/38
Safety phrases	S24/25

16. Other Information

References : SABS 0265:1999, SABS 0228: 1995, ISO SABS 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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APPENDIX A

Revision Date (dd/mm/yy)	Issued By	Revision History		Revision No.
		Description	DCN No.	
18/02/2011	Technical Manager	New Issue	MSDS K001	00
20/05/2013	Technical Manager	Document review and change of Company logo.	MSDS K001	01
15/02/2017	Operations Director	Document review and update of Section 14	MSDS K001	02

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