

MATERIAL SAFETY DATA SHEET

Description: SAF BRITE Revision Number: 01

Document Number: MSDS B005



INDUSTRIAL STRENGTH LIQUID DISHWASHING CONCENTRATE

GENERAL

SAF-BRITE is a powerful, high foaming dishwashing concentrate for hotel, restaurant and industrial use.

FORMULATION

SAF-BRITE is based on non-ionic and anionic surfactants, natural citrus oil, synthetic detergents, food-approved perfumes and colorants.

PRODUCT DESCRIPTION

TEST	UNIT	SPECIFICATIONS
Appearance		Clear blue viscous liquid
Odour/perfume		Sweet orange
pH		6,5 - 8,0
Solubility in water		Complete
Density	g/cm ³	1,00 - 1,04

PROPERTIES

- * SAF-BRITE is a highly concentrated product, which is very effective at dilutions of up to 1:500.
- * There is no need to rinse with clean water if SAF-BRITE is used at the recommended dilutions.
- * Anti-streak ingredients in SAF-BRITE save time by eliminating the need for drying.
- * SAF-BRITE is based on organic ingredients, which makes it environmental friendly.
- * SAF-BRITE contains no phosphates and is biodegradable.

Prepared by: Sabelo Dladla
Reviewed by: Doug Cutter
Status: Issued

Approved by: Doug Cutter
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APPLICATION

DISHWASHING:

NOTE : NOT RECOMMENDED TO BE USED IN AUTOMATIC MACHINES DUE TO THE HIGH FOAMING PROPERTIES.

Dilute SAF-BRITE to the desired concentration (up to 1:500) and wash dishes, glassed, cutlery etc. as normal.

GENERAL CLEANING:

When SAF-BRITE is to be used as a general purpose cleaner on any hard surface dilutions can vary up to 1:200.

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

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Company Details

Name	S.A.F.I.C (PTY) LTD	Tel:	011 406 4000
Address	32 Steele Street, Steeledale, JHB	Fax:	011 406 4202
Postal Address	PO BOX 1754, Alberton, 1450	e-mail:	technical@safic.co.za

1. Product Identification

Trade Name	SAF-BRITE	Product code:	B005
Chemical Family	Anionic & non-ionic surfactants, citrus oil, a colourant and synthetic detergent.		
Chemical Name	Formulated chemical.		
Product Use	Industrial strength liquid dishwashing concentrate		

2. Composition

CAS No.	Hazardous Components	Approximate %	Exposure Limit
N/A	No hazardous ingredients	N/A	N/A
EEC classification	Irritant (Xi), SAF - BRITE		
R Phrases	R36, SAF - BRITE		

3. Hazards Identification

Main Hazard	Irritant
Fire	Non-flammable.
Inhalation	No effect
Skin contact	No harmful effect
Eye contact	Irritation of eye, burning.
Ingestion	Nausea and possibly vomiting.

4. First Aid Measures

Inhalation	No effect
Skin contact	No effect, rinse area with water.
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.

5. Fire Fighting Measures

Extinguishing media	Product is 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	As per good environmental management practices, prevent contamination of watercourses or ground with large quantities of undiluted product.
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 personal exposure.
Storage	Store in a cool dry area. Keep containers sealed.

8. Exposure Controls/Personal Protection

Workers should have access to an eye wash fountain.

No personal protective equipment is required; safety goggles (VNC11 – supplier MSA) can be worn should eye contact be a hazard.

9. Physical and Chemical Properties

Appearance	Clear blue viscous liquid
pH	6.5 – 8.0
Density	1.00 – 1.04 g/cm ³
Cloud point	0 °C maximum
Solubility (water)	100 %

10. Stability and Reactivity

Stability	Stable under normal conditions.
Incompatible materials	Strong acids and oxidants.
Hazardous decomposition products	None known. When burning toxic fumes may be released.

11. Toxicological Information (based on surfactants)

Toxicity	The product is not toxic when used as recommended.
	Acute oral : LD50: > 2000 mg/kg, rat
Carcinogenicity	No evidence of carcinogenic properties

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Mutagenicity	No evidence of mutagenic effects
Teratogenicity	No evidence of teratogenic effects
Reproductive hazard	Not expected to impair fertility

12. Ecological Information (based on surfactants)

Aquatic toxicity – rainbow trout	The product can be toxic to aquatic organisms at excessive quantities.
Aquatic toxicity - daphnia	The product can be toxic to aquatic organisms at excessive quantities.
Aquatic toxicity - algae	The product can be toxic to plants at excessive quantities.
Biodegradability	The product is readily biodegradable
Bio accumulation	No possibility of bio accumulation.

13. Disposal Considerations

Disposal methods	Dispose as per local agreed government method.
When disposing of large quantities, the foaming nature of the product should be taken into consideration.	
Disposal of packaging	Recycle or wash thoroughly to be re-used.

14. Transport Information

Substance identity no	B005
ADR/RID class	Class 9: Irritant liquid
IMDG – packaging group	III
Marine Pollutant	No
IMO/IMDG Classification	IMDG Class 9 Irritant liquid
IATA Classification	Class 9 Irritant liquid

15. Regulatory Information

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

16. Other Information

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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

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 B005	00
11/03/2015	Operations Manager	Update of classifications	MSDS B005	01

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