

## MATERIAL SAFETY DATA SHEET



Description: SAF BLUE Revision Number: 02

Document Number: MSDS B002

### A VERSATILE SCENTED CLEANER AND DISINFECTANT

#### GENERAL

SAF-BLUE is a highly active cleaner/disinfectant, which contains pleasant cosmetic grade perfumes and which will leave surfaces clean and sterile with a pleasant lavender odour.

#### FORMULATION

SAF-BLUE is a water-based product containing a selection of non-ionic and cationic surfactants, soil suspending agents, anti-bacterial agents and powerful cosmetic grade perfumes.

#### PRODUCT DESCRIPTION

TEST	UNIT	SPECIFICATION
Appearance		Clear dark blue liquid
Odour		Lavender
Density	g/cm <sup>3</sup>	1,00 - 1,03
pH		9,5 - 11,0
TLV		Completely non-toxic
Viscosity	mPa.s	110 - 220

#### PROPERTIES

- \* Economical - dilutes up to 100 times with water.
- \* Biodegradable - product complies with Municipal requirements.
- \* Versatile - can be used on all surfaces not affected by water.
- \* Pleasant perfume - leaves a clean, fresh odour.
- \* Contains wide spectrum bactericides.
- \* Easily rinsable - leaves no residue.

#### APPLICATION

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

Approved by: Doug Cutter  
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1. The product can be diluted up to 1: 5 for cleaning and disinfecting.
2. Apply by sprayer, mop, cloth etc. onto surface to be cleaned and allow 5 minutes contact time with the surface and rinse with water.

Tested and approved using SANS 636 Reg. NO. ACTGNR529/205700/071/660

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.

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## Company Details

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## 1. Product Identification

Trade Name	SAF-BLUE	Product Code:	B002
Chemical Family	Non-ionic & cationic surfactants, soil suspending agents, & an anti-microbial agent.		
Chemical Name	Formulated chemical		
Product Use	General purpose cleaner/disinfectant		

## 2. Composition

CAS No.	Hazardous Components	Approx %	Limit
N/A	None	N/A	N/A
EEC classification	Irritant (Xi)		
R Phrases	R36		

## 3. Hazards Identification

Main hazard	Irritant (Xi)
Fire	Non-flammable
Inhalation	No hazard
Skin contact	Prolonged or frequent contact may lead to defatting of skin
Eye contact	Irritant. Burning
Ingestion	Nausea and possibly vomiting

## 4. First Aid Measures

Inhalation	No hazard.
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

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Extinguishing media	Product non-flammable. Use extinguishing agents suitable for surrounding fire.
Special hazard	None known
Protective clothing	Approved self contained breathing apparatus should be utilised or equivalent equipment.

## 6. Accidental Release Measures

Personal precaution	Avoid prolonged contact with the product. Product may render surfaces slippery.
Environmental precautions	Prevent the discharge of large amounts of concentrated product into sewerage, and watercourses.
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. Store in plastic containers.

## 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 utilised.
Neoprene (Technic 420-supplier MSA) gloves should be utilised when handling concentrate.

## 9. Physical and Chemical Properties

Appearance	Clear dark blue liquid
pH	9.5 – 11.0
Density	1.00 – 1.03 g/cm <sup>3</sup>
Solubility (water)	100 %
Flashpoint	Non-flammable

## 10. Stability and Reactivity

Stability	Stable under normal conditions.
Incompatible materials	None known
Hazardous decomposition products	None known. When burning toxic fumes will be released.

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## 11. Toxicological Information (based on QAC)

Toxicity	Acute oral: LD50: 457 – 750 mg/kg (rat)
Skin & eye contact	Acute dermal: LD50: 1560 mg/kg, rat
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 Q.A.C.)

Fathead Minnow 96hours	96 hr (static) LC 50: 5.2 mg/l
Daphnia Magna 48hours	48hr LC 50: (static) 0,18 mg/l
Algae	The product may be harmful to plants in large quantities.
Biodegradability	The product is readily biodegradable.
Bio accumulation	Not expected to bio accumulate.

## 13. Disposal Considerations

Disposal method	Dispose as per local government agreed method
Disposal of packaging	Recycle or wash thoroughly and re-use.

## 14. Transport Information

Substance identity no	B002
ADR/RID class	N/A
IMDG group	III
IMDG class	N/A
Marine Pollutant	No
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, 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.	
11/02/2011	Technical Manager	New Issue	MSDS B002	00
20/05/2013	Technical Manager	Document review and change of Company logo.	MSDS B002	01
16/02/2017	Operations Director	Document review, Revision of Section 14	MSDS B002	02

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