

MATERIAL SAFETY DATA SHEET

Description: SAF LIQUID LAUNDRY DETERGENT

Revision Number: 03

Document Number: MSDS MMLLD01



SUPER BRIGHT INDUSTRIAL STRENGTH WASHING LIQUID

GENERAL

Using an exclusive blend of sodium chelating agents, biodegradable non-ionic surfactants & optical brighteners, this highly concentrated product gives first class results. SAF LIQUID LAUNDRY DETERGENT leaves fabrics soft and bright with every single wash, removing the toughest grime, dirt, soils and even petroleum distillates.

FORMULATION

SAF LIQUID LAUNDRY DETERGENT contains phosphates, surface active agents, sequestering agents, optical brightness.

PRODUCT DESCRIPTION

TEST	UNIT	SPECIFICATIONS
Appearance		Clear light blue/green viscous liquid
pH		9.50 – 10.00
Density	g/cm ³	1.010 – 1.030
Viscosity	LVT/Sp3/30rpm	260 - 360

PROPERTIES

- * Super brightening properties
- * Low foaming powder - suitable for industrial automatic washing machines.
- * Softens fabrics after washing – reducing electrostatic charges.
- * High activity in cold or hot water.
- * Safe to use contains no harsh solvent

APPLICATION

1. Separate whites from colours.
2. To avoid discoloration do not soak articles with metal zips or buttons longer than one hour.
3. Dispense 100 – 150 millilitres of product per machine load (6.5 – 8.0 kilograms)
4. Do not use chlorine bleach in combination with this product.
5. Rinse with water after every wash and dry.

Prepared by: Sabelo Dladla
Reviewed by: Zanele Selala
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 ARE 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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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 LIQUID LAUNDRY DETERGENT	Product code:	MMLLD01
Chemical Family	Sodium salts, surfactants and brighteners		
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	<10%	N/A
EEC classification	Irritant (Xi), SAF LIQUID LAUNDRY DETERGENT		
R Phrases	R36, SAF LIQUID LAUNDRY DETERGENT		

3. Hazards Identification

Main hazard	Irritant, burning sensation on eyes
Inhalation	No effect, avoid breathing dust
Skin contact	Irritant, prolonged exposure may result to drying of skin
Eye contact	Burning
Ingestion	Nausea and possibly vomiting.

4. First Aid Measures

Inhalation	No effect
Skin contact	Rinse affected area with water; apply hand cream if necessary 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.

5. Fire Fighting Measures

Extinguishing media	Product is 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.

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6. Accidental Release Measures

Personal precaution	Avoid eye contact
Environmental precaution	The product is alkaline avoid release of excess quantities.
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 light blue/green viscous liquid
pH	9.50 – 10.00
Density	1.010 – 1.030 g/cm ³
Viscosity	260 – 360 (LVT/Sp3/30rpm)
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 surfactants)

Toxicity	The product is not toxic when used as recommended.
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 surfactants)

Aquatic toxicity – rainbow trout	The product is not toxic to aquatic organisms
Aquatic toxicity - daphnia	The product is not toxic to aquatic organisms
Aquatic toxicity - algae	The product is not toxic to aquatic organisms

13. Disposal Considerations

Disposal methods	Dilute product 1000 times when disposing small quantities and run to waste. For proper disposal of used material, an assessment must be completed to determine the proper and permissible waste management options.
Disposal of packaging	Recycle or wash thoroughly to be re-used.

14. Transport Information

Substance identity no	MMLLD01
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	Irritant (Xi)
Risk phrases	R36
Safety phrases	S22/25

16. Other Information

References: SABS 0265: 1999, SABS 0228: 1995, SABS ISO 11014-1: 1994, M.S.D.S. (Suppliers of row's)
Issued by: Sabelo Dladla
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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

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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.	
16/11/2011	Technical Manager	New Issue	MSDS MMLLD01	00
25/07/2012	Technical Manager	Change of item description	MSDS MMLLD01	01
07/04/2015	Operations Director	Review	MSDS MMLLD01	02
07/11/2016	Operations Director	Section 14 review	MSDS MMLLD01	03

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