



MATERIAL SAFETY DATA SHEET

Description: SAF LF PARTS WASHER

Revision Number: 03

Document Number: MSDS L009/25D

HIGH PRESSURE WATERBASED LOW FOAM PARTS WASHER

GENERAL

SAF-LF PARTS WASHER is a powerful low foam parts washer. This product has excellent cleaning and degreasing properties which includes removal of grime, dirt, oil and other deposits.

FORMULATION

SAF – LF PARTS WASHER contains a selection of sequestering agents with anti re-deposition properties for minimisation of cleaning costs and a low foaming environmentally acceptable non ionic surfactants which degrade into harmless components. Fast cleaning action is achieved through superb solvency sourced from powerful unique glycol ethers and amines.

PRODUCT DESCRIPTION

TEST	UNIT	SPECIFICATION
Appearance		Clear violet liquid
Density	g/cm ³	1.020 – 1.050
pH		13.0 – 13.9
Foam		low
Cloud point	Degrees Celsius	<0

PROPERTIES

Non Toxic – Non Corrosive

Biodegradable – surfactant complies with EEC directive 73/404/EEC

Highly concentrated and versatile

Contains NO nonyl phenols

Low foaming

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 OF ACTUAL USE ARE BEYOND OUR CONTROL, ALL RECOMMENDATIONS ARE MADE WITHOUT WARRANTY, EXPRESS OR IMPLIED.

Prepared by: Sabelo Dladla

Reviewed by: Doug Cutter

Status: Issued

Approved by: Doug Cutter

Revision Date: 17 February 2017

Issue Date: 17 February 2017

It is the responsibility of the user to verify that this copy is the latest version.

MATERIAL SAFETY DATA SHEET



Description: SAF LF PARTS WASHER **Revision Number:** 03

Document Number: MSDS L009/25D

Company Details

Name	S.A.F.I.C (PTY) LTD	Tel:	+27 11 406 4000
Address	32 Steele Street, Steeledale	Fax:	+27 11 406 4252
Postal Address	PO BOX 1754, Alberton North, 1450	e-mail:	technical@safic.co.za

1. Product Identification

Trade Name	SAF LF PARTS WASHER	Product Code:	L009/25D
Chemical Family	Environmentally acceptable parts washer.		
Chemical Name	Formulated chemical		
Product Use	Low foam parts washer and heavy duty cleaner.		
UN No;	N/A		

2. Composition

CAS No.	Hazardous Components	Approximate %	OSHA PEL and Limit
6834- 92- 0	Sodium metasilicate (P)	< 10	Skn-rbt 250 mg/24H.SEV
141-13-5	2-aminoethanol	< 10	TWA 3 ppm; STEL 6 ppm
111-76-2	Glycol ether	< 10	25 ppm TWA; 120 mg/m ³
EEC classification	Irritant (Xi), SAF LF PARTS WASHER		
R Phrases	R36/38, SAF LF PARTS WASHER		

3. Hazards Identification

Main hazard	Irritant
Fire	Non flammable
Inhalation	Excess exposure – coughing
Skin contact	Irritant, prolonged exposure may result to defatting of skin, wear gloves when handling this product.
Eye contact	Irritant, burning, possible damage to eyes.
Ingestion	Nausea, vomiting, harmful when ingested.

4. First Aid Measures

Inhalation	Remove patient to fresh air.
Skin contact	Rinse affected area with water; apply hand cream if necessary to replenish moisture.
Eye contact	Flush with running water for at least 15 min, irrigate eyes thoroughly while lifting eyelids and rolling eyeballs. If discomfort persists, seek medical attention.
Ingestion	Rinse mouth with water, allow patient as much water as possible. Seek medical attention.

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

Approved by: Doug Cutter
Revision Date: 17 February 2017
Issue Date: 17 February 2017

It is the responsibility of the user to verify that this copy is the latest version.

MATERIAL SAFETY DATA SHEET



Description: SAF LF PARTS WASHER

Revision Number: 03

Document Number: MSDS L009/25D

5. Fire Fighting Measures

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

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 taken into consideration.
Small spills	Remove excess with absorbent material and flush residue with 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 heavy duty detergents to minimise personal exposure.
Storage	Store in a cool dry place. Keep container closed. 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.
NEOPRENE gloves (Technic 420 – supplier – MSA) should be utilised.
Handle in a well ventilated area, or 6300 respiratory/6059 cartridge (3M – supplier) should be utilised if ventilation is not adequate.

9. Physical and Chemical Properties

Appearance	Clear violet liquid
pH	13.0 – 13.9
Density	1.020 – 1.050
Foam (1% solution)	Low
Cloud point	< 0

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

Approved by: Doug Cutter
Revision Date: 17 February 2017
Issue Date: 17 February 2017

It is the responsibility of the user to verify that this copy is the latest version.

MATERIAL SAFETY DATA SHEET



Description: SAF LF PARTS WASHER

Revision Number: 03

Document Number: MSDS L009/25D

10. Stability and Reactivity

Stability	Stable under normal conditions.
Conditions to avoid	Strong acids
Hazardous decomposition products	None Known

11. Toxicological Information (based on MEA)

Acute toxicity - oral	LD50: 2050 mg/kg, rat.
Acute toxicity - dermal	LD50: 2000 mg/kg, rabbit.
Carcinogenicity	No evidence of carcinogenic properties.
Mutagenicity	No evidence of mutagenic effects.
Teratogenicity	No evidence of teratogenic effects.
Reproductive hazards	Not expected to impair fertility

12. Ecological Information (based on MEA)

Acute toxicity – fish	LC50 : 150 mg/l (96h)
Acute toxicity - daphnia	LC50 : 65 mg/l (48h)
Acute toxicity – algae	EC50 : 15 mg/l (72h)
Biodegradability	Primary degradation (surfactant) > 90%
Bioaccumulation	Not likely – product is biodegradable and water soluble

13. Disposal Considerations

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

14. Transport Information

UN No:	N/a
Substance identity no	L009
ADR/RID class	N/A
IMDG – packaging group	III
Marine Pollutant	No
IMO/IMDG Classification	N/A
IATA Classification	N/A

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

Approved by: Doug Cutter
Revision Date: 17 February 2017
Issue Date: 17 February 2017

It is the responsibility of the user to verify that this copy is the latest version.



MATERIAL SAFETY DATA SHEET

Description: SAF LF PARTS WASHER	Revision Number: 03
Document Number: MSDS L009/25D	

15. Regulatory Information

EC Classification	Irritant (Xi)
EC Risk phrases	R36/37/38
EC Safety phrases	S24/25

16. Other Information

Reference: 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 regarding the precautionary handling, 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 and/or its composition

APPENDIX A

Revision Date (dd/mm/yy)	Issued By	Revision History		Revision No.
		Description	DCN No.	
01/08/2011	Technical Manager	New Issue	MSDS L009/25D	00
08/03/2013	Technical Manager	Corrected CAS number for 2-aminoethanol	MSDS L009/25D	01
20/05/2013	Technical Manager	Document review and change of Company logo.	MSDS L009/25D	02
17/02/2017	Operations Director	Document Review and Section 14 Revision	MSDS L009	03

Prepared by: Sabelo Dladla	Approved by: Doug Cutter
Reviewed by: Doug Cutter	Revision Date: 17 February 2017
Status: Issued	Issue Date: 17 February 2017

It is the responsibility of the user to verify that this copy is the latest version.