

MATERIAL SAFETY DATA SHEET



Description: SAF LINE	Revision Number: 03
Document Number: MSDS L006	

GENERAL PURPOSE SOLVENT CLEANER

GENERAL

SAF LINE is a versatile, safe to use, non-flammable, multi-purpose, biodegradable degreaser and cleaner. As SAF LINE is concentrated and its components are carefully balanced, it may be diluted as much as 1:50 with water and still have excellent cleaning power.

FORMULATION

SAF LINE is based on a balance of biodegradable, non-ionic and anionic surfactants, coupling solvents, chelating and soil-suspending inorganics but contains no free alkali.

PROPERTIES

- * SAF LINE may be diluted up to 1:50 with water and still retain excellent cleaning power and, when used neat is usually too concentrated to give good rinse off and quick removal. Best results are obtained with dilutions from 1 in 5 - 25. SAF LINE will not re-deposit dirt or grease due to its unique balance of emulsifiers and suspending agents i.e. no dirt film remains.
- * SAF LINE does not attack metals, rubbers, plastics or concrete and may be safely used on all surfaces except certain low quality PVA paints. Good quality acrylics will not be effected at dilutions above 1:10.

It is effective on industrial machines, animal fat and grease removal from delivery vehicles and containers, for washing out of used machine coolants, printing ink removal, boiler soot dispersal etc.

APPLICATION

SAF LINE can be used by spray, mop or through pressure spray applicators.

Steam cleaning	-	1:100 final dilution (pre-dilute 1:10)
General cleaning	-	1:50 (floors, walls, tiles etc.)
Degreasing	-	1:10 (fatty deposits, light oils, etc.)
Waterbased inks	-	1:25

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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.

CONTROLLED DOCUMENT

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Company Details

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

1. Product Identification

Trade Name	SAF -LINE	Product Code: L006
Chemical Family	Anionic and non - ionic surfactants, chelates and glycol ether.	
Chemical Name	Formulated chemical	
Product Use	Cleaning of hard surfaces	

2. Composition

CAS No.	Hazardous Components	Approximate %	OSHA PEL
1310-73-2	Caustic soda	< 10	CL 2 mg/m ³
EEC classification	Irritant (Xi), SAF - LINE		
R Phrases	R36/R37/R38, SAF - LINE		

3. Hazards Identification

Main hazard	Irritant
Inhalation	Excess spray – coughing
Skin contact	Irritant, prolonged exposure may result to defatting of skin.
Eye contact	Burning, irritant
Ingestion	Nausea, vomiting

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.

5. Fire Fighting Measures

Product is non flammable. Extinguish media if fire in surrounding area: carbon dioxide, dry powder, foam, or water.	
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 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 water.
Large spills	Dyke ahead of liquid spill for later disposal. Prevent the discharge of large quantities 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.
If prolonged or frequent contact is expected, 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	Orange liquid
pH	11.5 – 12.5
Density	1.00 – 1.02 g/cm ³
Solubility (water)	100 %

10. Stability and Reactivity

Stability	Stable under normal conditions.
Conditions to avoid	Contact with strong acids
Hazardous decomposition products	None Known

11. Toxicological Information (based on caustic soda)

Toxicity	Acute oral: LDLo: 500 mg/kg, rabbit. Skin(rabbit): 500 mg/24H SEV
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 glycol ether)

Acute toxicity – fish	LC : 1700 mg/l
Acute toxicity - daphnia	LC : 1000 mg/l
Acute toxicity – algae	IC50 : > 5000 mg/l
Biodegradability	Biodegradation: 88 % 20 days
Bio accumulation	Not expected to bio accumulation

13. Disposal Considerations

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	
Permissible under applicable rules, regulations, and/or laws governing your location.	
Disposal of packaging	Recycle or provide to drum collectors.

14. Transport Information

Substance identity no	L006
ADR/RID class	N/A
IMDG – packaging group	III
Marine Pollutant	No
IMO/IMDG Classification	N/A
IATA Classification	N/A

15. Regulatory Information

EC Classification	Irritant (Xi)
EC Risk phrases	R36/37/38
EC Safety phrases	S24/25, S36

16. Other Information

References : SABS 0265 : 1999, SABS 0228 : 1995, SABS ISO 11014-1: 1994, M.S.D.S.(Suppliers of raw's)
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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 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.	
18/02/2011	Technical Manager	New Issue	MSDS L006	00
20/05/2013	Technical Manager	Document review and change of Company logo.	MSDS L006	01
17/02/2017	Operations Director	Document review and Section 14 revised	MSDS L006	02
24/07/2017	Operations Director	Inclusion of TDS	MSDS L006	03

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