

MATERIAL SAFETY DATA SHEET



Description: SAF LIGHT Revision Number: 01

Document Number: MSDS L004

GENERAL

SAF-LIGHT removes most greases, oils, waxes and engine dirt from automotive and industrial machinery without harming paints or aluminium trims.

FORMULATION

SAF-LIGHT is a blend of detergents selected to produce very stable emulsions for good rinsability or dilution with water. SAF-LIGHT contains excess surfactant so that it may be used as a concentrate for dilution with further cheap solvents such as white spirits or kerosene. SAF-LIGHT is designed around solvents that will remove most normal dirt and grease without causing damage to sensitive finishes and having excessive losses due to evaporation.

PRODUCT DESCRIPTION

TEST	UNIT	SPECIFICATIONS
Appearance		Clear red liquid
Odour		Aliphatic solvent
Density	g/cm ³	0,79 - 0,84
pH of 5% emulsion		7,0 - 9,0
Emulsion stability		Min 1 hour in hard and soft water

PROPERTIES

- * Safe on most painted surfaces
- * Cleans without agitation
- * Substantially increases the cleaning strength and rinsability of cheap solvents such as paraffin, resulting in a very economical degreaser
- * Contains emulsifiers for easy and total rinsability

APPLICATION

Concentrated or diluted SAF-LIGHT can be applied by means of spraying, brushing or dip application.

Leave for a few minutes to allow penetration and hose off with water.

Dilutions with paraffin 1:5.

SAF-LIGHT should not be used through steam or pressure washers.

NOTE:

When diluted with paraffin, prolonged contact with glossy paintwork should be avoided.

Prepared by: Sabelo Dladla

Reviewed 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 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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Postal Address	PO BOX 1754, Alberton 1450	e-mail:	technical@safic.co.za

1. Product Identification

Trade Name	SAF-LIGHT	Product Code:	L004
Chemical Family	Aromatic solvents, anionic & non-ionic surfactants		
Chemical Name	Formulated chemical		
Product Use	Removal of grease, oil and dirt from hard surfaces		

2. Composition

CAS No.	Hazardous Components	Approximate %	OSHA PEL
64742-88-7	Medium aliphatic petroleum solvent	>60	100 ppm
EEC classification	Flammable, SAF- LIGHT		
R Phrases	R10, R22, R38, R52/53, SAF - LIGHT		

3. Hazards Identification

Main hazard	Flammable, use away from ignition sources
Inhalation	Symptoms: Respiratory irritation, dizziness, nausea, unconsciousness
Skin contact	Symptoms: Slight irritation of skin. Prolonged or frequent contact may lead to defatting of skin resulting in irritation and dermatitis
Eye contact	Symptoms: Irritation of eye, burning
Ingestion	Symptom: Nausea, stomach cramps

4. First Aid Measures

Inhalation	Remove patients to fresh air. Seek medical attention if symptoms occur.
Skin contact	Remove contaminated clothing and launder clothing before re-use. Wash contact areas well with soap and 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	Do not induce vomiting. Rinse mouth with water, and allow patient 1 or 2 glasses of water. Obtain medical attention.
Note to doctors	If aspirated into the lungs, product may result in chemical pneumonitis. Treat appropriately.

5. Fire Fighting Measures

Extinguish with carbon dioxide (CO ₂), dry powder, foam, or water fog.	
Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.	
Special hazard	Non known

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Protective clothing	Approved self contained breathing apparatus should be utilised or equivalent.
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6. Accidental Release Measures

Personal precaution	Avoid prolonged skin contact, and use in well ventilated areas.
Environmental precautions	Do not discharge into sewerages, storm water drains or any places that may harm the environment.
Small spills	Eliminate ignition sources. Remove excess with absorbent material and dispose of in accordance with current laws and regulations.
Large spills	Eliminate ignition sources. Notify appropriate authorities. Prevent discharge of product into sewers, and water courses.

7. Handling & Storage

Handling	Avoid prolonged repeated skin contact, wear nitrile gloves.
Storage	Store in a cool dry area. Keep containers sealed. Store away from sparks, sources of ignition, and build up of static electricity.

8. Exposure Controls/Personal Protection

Workers should have access to an eye wash fountain.
Use away from all ignition sources.
If the specific application may result in splashing, safety goggles (VNC11 – supplier – MSA) should be supplied.
If prolonged or frequent contact is expected, NITRILE gloves (Ultranitril 492 – 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 red liquid
PH	7.0 – 9.0 (5%)
Density	0.77 – 0.82 g/cm ³
Emulsifiability	2 – 5% separation after 1 hour
Solubility (water)	Emulsifies

10. Stability and Reactivity

Stability	Stable under normal conditions.
Incompatible materials	Strong oxidizers.
Hazardous decomposition products	Carbon monoxide and carbon dioxide if burning.

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11. Toxicological Information (based on aliphatic/aromatic petroleum blend)

Toxicity	Oral, (rats): LD ₅₀ > 5 g/kg (estimated) – based on testing of similar products and/or the components. Dermal, (rabbits): LD ₅₀ > 2 g/kg estimated) – based on testing of similar products and/or the components.
Skin & eye contact	Skin, (rabbits): may cause slight irritation on prolonged or repeated contact - based on similar products and/or the components. Eye, (rabbits): may cause irritation – based on similar products and/or the components.
Chronic toxicity	Hazardous in case of contact with eyes, skin, when inhaled, when swallowed.
Carcinogenicity	No evidence of carcinogen properties.
Mutagenicity	Studies with similar materials in the Ames, mouse lymphoma, rat bone marrow cytogenetics and dominant lethal assays were negative.
Teratogenicity	No evidence of teratogenic effects.

12. Ecological Information (based on aliphatic/aromatic petroleum blend)

Aquatic toxicity – rainbow trout	The product may be harmful to aquatic organisms at large quantities.
Aquatic toxicity - daphnia	The product may be harmful to aquatic organisms at large quantities.
Aquatic toxicity - algae	The product may be harmful to plants and other living organism at large quantities.
Biodegradability	Paraffin's are considered to be readily biodegradable.
Other details	Prevent spills from entering storm sewers or drains, and having contact with soil.

13. Disposal Considerations

May be incinerated. Note local restrictions, laws and regulations.
Prevent the discharge of large amounts of concentrated product into sewerage, and water courses.
Empty containers may contain product residue, including flammable or explosive vapours. Do not cut, puncture or weld on or near container.

14. Transport Information

Substance identity no	L004
ADR/RID class	Class 3: Flammable liquid
IMDG – packaging group	III
Marine Pollutant	Harmful to aquatic organisms
IMO/IMDG Classification	IMDG Class 3 Flammable liquid
IATA Classification	Class 3 Flammable liquid

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15. Regulatory Information

Hazard classification	Flammable (F)
Risk phrases	R10 R65/66/67
Safety phrases	S24/25, S62

16. Other Information

References : SABS 0265 : 1999, SABS 0228 : 1995, SABS ISO 11014-1: 1994, M.S.D.S.(Suppliers of raw's)

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.	
18/02/2011	Technical Manager	New Issue	MSDS L004	00
30/03/2015	Operations Director	Review	MSDS L004	01

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