

# MATERIAL SAFETY DATA SHEET



Description: SAF CAR Revision Number: 02

Document Number: MSDS C003

## LIQUID FOAM CAR WASH AND WAX

### GENERAL

SAF-CAR is a water-based detergent, which contains special built in anti-streak properties to eliminate the time consuming drying of cars after washing. It cleans and shines in one step. SAF-CAR contains no hazardous ingredients.

### FORMULATION

SAF-CAR is based on a blend of emulsifiers, anionic detergents, anti-streak agents, wetting agents and emulsion waxes.

### PRODUCT DESCRIPTION

TEST	UNIT	SPECIFICATION
Appearance		Light blue opaque liquid
pH (masterbatch)		7.50 - 9,00
Density	g/cm <sup>3</sup>	1,000 - 1,050
Viscosity	mPa.s	200 - 450

### PROPERTIES

- \* High foam action for improved cleaning.
- \* No need to dry by wiping or chamois (except windows and chromework).
- \* Economical - dilutes 1:300.
- \* Non-toxic - will not cause dermatitis.
- \* Contains anti-streak properties when used at recommended dilutions.
- \* Does not strip wax or polish.

### APPLICATION

Automatic car wash units - dilute up to 1:300.

Hand wash method - rinse vehicle with water. Dilute SAF-CAR up to 1:200 in a bucket and apply with sponge, soft cloth or sprayer. Rinse well with water. Allow vehicle to dry. Dry windows and chrome work with chamois.

### NOTE: PROPERTIES

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

Approved by: Doug Cutter  
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### **NOTE:**

Excess quantities of SAF-CAR may cause streaking. For best results vehicle should be washed in the shade.

**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-CAR	Product Code: C003
Chemical Family	Anionic surfactants, anti-streak agents, wetting agents, and emulsion wax.	
Chemical Name	Formulated chemical.	
Product Use	Liquid car wash and wax.	

## 2. Composition

CAS No.	Hazardous Components	Approximate %	Exposure Limit
N/A	Non Hazardous ingredients	N/A	N/A
EEC classification	Irritant (Xi), SAF - CAR		
R Phrases	R36, SAF - CAR		

## 3. Hazards Identification

Main hazard	Irritant
Fire	Non-flammable.
Inhalation	No effects
Skin contact	No harmful effect, if there is symptoms wash well with water.
Eye contact	Irritation of eye, burning.
Ingestion	Nausea and possibly vomiting

## 4. First Aid Measures

Inhalation	No effects
Skin contact	Rinse area well with 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	Rinse mouth with water, and allow patient as much water as possible, seek medical attention.

## 5. Fire Fighting Measures

Extinguishing media	Product is non-flammable, use extinguishing agents suitable for surrounding fire.
Special hazard	None known

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

Environmental Precautions	As per good environmental management practices, prevent contamination of watercourses or ground with large quantities of undiluted product.
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; goggles can be worn should eye contact be a hazard.

## 9. Physical and Chemical Properties

Appearance	Light blue opaque liquid
pH	7.50 – 9.00
Density	1.000 – 1.050 g/cm <sup>3</sup>
Solubility (water)	100 %

## 10. Stability and Reactivity

Stability	Stable under normal conditions.
Incompatible materials	Strong acids
Hazardous decomposition products	None under normal storage conditions, but when heated toxic fumes may be liberated.

## 11. Toxicological Information (based on surfactants)

Toxicity	Not toxic by skin contact and inhalation.
Skin & eye contact	Irritant to eyes.
Chronic toxicity	No evidence of chronic toxicity.
Carcinogenicity	No evidence of carcinogenic properties.
Mutagenicity	No evidence of mutagenic effects.

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Reproductive hazard	Not expected to impair fertility.
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### 12. Ecological Information (based on surfactant)

Aquatic toxicity – rainbow trout	Acute Oral toxicity LD50 > 2500 mg/kg
Aquatic toxicity - daphnia	Acute Fish Toxicity LC50: 10mg/l (96h, Zebra fish)
Aquatic toxicity - algae	The product may be toxic to plants at excessive quantities.
Biodegradability	The product is readily biodegradable
Bio accumulation	No possibility of bio accumulation.

### 13. Disposal Considerations

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

### 14. Transport Information

Substance identity no	C003
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	S25

### 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
<b>EMERGENCY NUMBERS: 011 406 4000 / 082 412 2298</b>

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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.	
18/02/2011	Technical Manager	New Issue	MSDS C003	00
20/05/2013	Technical Manager	Document review and change of Company logo.	MSDS C003	01
20/02/2017	Operations Director	Document review and Section 14 revision	MSDS C003	02

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