

MATERIAL SAFETY DATA SHEET

Description: SAF HEAVY DUTY HAND CLEANER

Revision Number: 01

Document Number: MSDS C002



CONCENTRATED LIQUID HAND CLEANER AND CONDITIONER

GENERAL

SAF-CPH is a powerful, yet gentle liquid hand cleaner, which does not dry out or de-fat the skin due to its unique formula.

FORMULATION

SAF-CPH is based on a carefully balanced blend of coconut soaps; ethoxylated lanolin, modified coconut oil, organic emulsifiers, and a pleasant orange perfume.

PRODUCT DESCRIPTION

TEST	UNIT	SPECIFICATION
Appearance		Clear straw yellow liquid
Density	g/cm ³	1,00 - 1,04
pH		9,3 - 10,3
Viscosity	mPa.s	500 – 700

PROPERTIES

- * The special soaps and emulsifiers in SAF-CPH removes grease, ink, dirt and grime easily.
- * Highly concentrated - dilutes up to 1:7 with water.
- * Contains no abrasives, caustics or solvents, which might have a detrimental effect on the skin.
- * SAF-CPH contains lanolin and other skin conditioners, which are absorbed into the skin and replace the essential oils and fats and nourish the skin.
- * Contains antibacterial ingredients.

APPLICATION

1. For removing grease, ink, carbon, dirt and grime: dilute 1 part SAF-CPH into 2 parts water.
2. For cleaning light oils from skin: dilute 1 part SAF-CPH into 4 parts water.
3. For all over body cleaning: dilute 1 part SAF-CPH into 7 parts water.

Prepared by: Sabelo Dladla

Reviewed by: Zanele Mthimunye

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 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	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 – CPH	Product Code: C002
Chemical Family	Surfactants, biocide, coconut oil and lanolin	
Chemical Name	Formulated chemical	
Product Use	Concentrated antibacterial liquid hand cleaner	
UN Number	3082 (Miscellaneous substance)	

2. Composition

CAS No.	Hazardous Components	Approx %	Limit
59-50-7	Chlorocresol (included in the list of approved preservative in the German Regulation on Cosmetics and EC Cosmetics Directive).	<1 %	Oral (rat) LD50: 1830 mg/kg

3. Hazards Identification

Main hazard	Irritant
Fire	Non flammable
Inhalation	No effect
Skin contact	No effect
Eye contact	Irritant
Ingestion	Nausea, vomiting

4. First Aid Measures

Inhalation	No effect
Skin contact	Rinse hands after each use.
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	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
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	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 hand soaps.
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. Safety goggles (VNC 11 – supplier MSA).

9. Physical and Chemical Properties

Appearance	Clear, straw yellow liquid
pH	9.3 – 10.3
Density	1.00 – 1.04 g/cm ³
Viscosity	500 – 700 mPa/s

10. Stability and Reactivity

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

11. Toxicological Information (based on chlorocresol)

Toxicity	Acute oral: LD50: 1800 – 5000 mg/kg, rat Acute dermal: LD50: > 2000 mg/kg
Carcinogenicity	No evidence of carcinogenic properties.
Mutagenicity	No evidence of mutagenic effects.
Teratogenicity	No evidence of teratogenic effects.
Reproductive hazard	Not expected to impair fertility

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12. Ecological Information (based on chlorocresol)

Toxicity	Low toxicity: can only be toxic to aquatic organisms at excessive quantities.
Acute toxicity – fish	LC50: 1.2 mg/l (48 hr)
Acute toxicity - daphnia	EC50: 2.2 mg/l (48 hr)
Acute toxicity – algae	EC50: > 10 mg/l (96 hr)

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.

14. Transport Information

UN Number	3082
Substance identity no	C002
ADR/RID class	Class 9: Irritant liquid
IMDG-packaging	III
Marine Pollutant	No
IMO/IMDG Classification	IMDG Class 9 Irritant liquid
IATA Classification	Class 9 Irritant liquid

15. Regulatory Information

EC Classification	Irritant (Xi)
EC Risk phrases	R36
EC 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)
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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.	
20/05/2013	Technical Manager	Document review and change of Company logo.	MSDS C002	01

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