

MATERIAL SAFETY DATA SHEET

Description: SAF EXTRACT Revision Number: 01

Document Number: MSDS E001



GENERAL

SAF-EXTRACT is a low foaming, phosphate free carpet detergent to be used with the spray and vacuum method. It can be used on carpets as well as upholstery and all textile coverings.

FORMULATION

SAF-EXTRACT contains solvents, soil suspending agents, low foam surfactants and perfumes.

PRODUCT DESCRIPTION

TEST	UNIT	SPECIFICATION
Appearance		Clear blue liquid
Density	g/cm ³	1,02 - 1,03
pH		10,50 - 11,50

PROPERTIES

- * Low foam
- * Soil suspending agents
- * Will remove stubborn stains
- * Leaves no residue
- * Leaves a pleasant fragrance

APPLICATION

SAF-EXTRACT is used by diluting the product with water and cleaning the area with a carpet extraction machine.

For spot cleaning, first treat area with undiluted SAF-EXTRACT and then clean as per normal directions.

DILUTIONS PER 10 Lt

General cleaning	:	300ml
Heavy duty cleaning	:	600ml
Spot cleaning	:	undiluted

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

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Company Details

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1. Product Identification

Trade Name	SAF – EXTRACT	Product Code:	E001
Chemical Family	Solvents, surfactants and soil suspending agents		
Chemical Name	Formulated chemical		
Product Use	Carpet cleaner		

2. Composition

CAS No.	Hazardous Components	Approximate %	OSHA PEL
67-63-0	Alcohol	<20	TWA 400 ppm, STEL 500 ppm
EEC classification	Irritant (Xi), SAF- EXTRACT		
R Phrases	R36/38, SAF-EXTRACT		

3. Hazards Identification

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

4. First Aid Measures

Inhalation	Move patient to fresh air.
Skin contact	Rinse affected area with water.
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 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

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Personal precaution	Avoid contact with eyes.
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 quantities 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 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	Clear blue liquid
pH	10.50 – 11.50
Density	1.02-1.03 g/cm ³
Solubility (water)	Soluble

10. Stability and Reactivity

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

11. Toxicological Information (based on alcohol)

Toxicity	Acute oral: LD50: 5045 mg/kg, rat
	Acute dermal: LD50: 12800 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 glycol ether)

Acute toxicity – fish	96 hr LC50: 1700 mg/kg
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Acute toxicity - daphnia	48 hr LC50: >1000 mg/kg
Acute toxicity – algae	IC50: > 5000 mg/l
Biodegradability	Biodegradation: 88 % 20 days
Bio accumulation	No possibility of 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 wash thoroughly to be re-used.

14. Transport Information

Substance identity no	E001
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	R36/38
EC Safety phrases	S24/25

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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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.

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APPENDIX A

Revision Date (dd/mm/yy)	Issued By	Revision History		Revision No.
		Description	DCN No.	
20/05/2013	Technical Manager	New Issue	MSDS E001	00
13/03/2017	Operations Director	Document review	MSDS E001	01

CONTROLLED DOCUMENT

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