



MATERIAL SAFETY DATA SHEET

Description: SAF POWDERKLENZ Revision Number: 02

Document Number: MSDS N008

NON-CLOGGING HEAVY DUTY POWDER DEGREASER & CLEANER

GENERAL

SAF-POWDERKLENZ is a versatile, safe and easy to use, multi-purpose water soluble degreaser and cleaner that fizzes in contact with water resulting to a non-clogging effect for superior easy to apply effect. SAF-POWDERKLENZ can be used manually or through pressure and steam washers, as well as floor cleaning machines.

FORMULATION

SAF-POWDERKLENZ contains both alkali and acidic sequestering agents resulting to an exothermic neutralisation reaction for supreme optimum degreasing. This product contains non-ionic surfactants which degrade into harmless components compared to harmful traditional conventional nonyl phenols.

PRODUCT DESCRIPTION

TEST	UNIT	SPECIFICATION
Appearance		White powder
pH (1% sol m/v)		10,00 – 11,00
Solubility (1% m/v)		Soluble

PROPERTIES

- * Easily dissolves with fizzing action
- * Contains no nonyl phenols
- * Mildly alkaline – safe for end user
- * No fumes or harsh odour
- * Versatile – use on all hard surfaces, also for steam-cleaners, scrubbing machines and overall washing.

APPLICATION

Floor cleaning:

- * Sprinkle dry powder thinly onto floor
- * Add water
- * Dissolve powder on the floor by using a broom/mop to dissolve the grease and grime
- * Rinse floor with clean water

Prepared by: Sabelo Dladla

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As a general purpose cleaner:

- * Dissolve powder in bucket of water
- * 1 cup equals approximately 250 grams
- * Heavy duty – 1 cup in 5 litres of water
- * Medium duty – 1 cup in 25L of water
- * Light cleaning – 1 cup in 50 litres of water
- * Apply the solution to dirty surface by mop, broom or sprayer
- * Agitate with broom, brush or through pressure washer/steam cleaner
- * Rinse off with water

THE RECOMMENDATIONS CONTAINED HEREIN ARE BASED ON LABORATORY TESTS AND IN-FIELD USE EXPERIENCE, AND ARE TO THE BEST OF OUR KNOWLEDGE, ACCURATE. SINCE 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- POWDERKLENZ	Product Code:	N008
Chemical Family	Sodium salts, phosphates, biodegradable surfactants		
Chemical Name	Formulated chemical		
Product Use	Heavy duty powder degreaser & cleaner		

2. Composition

CAS No.	Hazardous Components	Approximate %	Limit
497-19-8	Sodium carbonate	20 - 30	Skin(rabbit): 500mg/24H MLD
EEC classification	Irritant (xi), SAF – POWDERKLENZ		
R Phrases	R36/37/38, SAF – POWDERKLENZ		

3. Hazards Identification

Main Hazard	Irritant
Fire	Non flammable
Inhalation	No effects, avoid breathing dust
Skin contact	Irritant, prolonged contact may result defatting of skin.
Eye contact	Burning, irritant, avoid eye contact.
Ingestion	Nausea, vomiting, burning of mouth & throat

4. First Aid Measures

Inhalation	Remove patient to fresh air.
Skin contact	Rinse affected area with water and soap.
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 and allow as much water as possible. Seek medical attention.

5. Fire Fighting Measures

Extinguishing media	Product non-flammable. Use extinguishing agents for surrounding fire.
Special hazard	Non known
Protective clothing	Approved self contained breathing apparatus should be utilised or equivalent.

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6. Accidental Release Measures

Personal precaution	Avoid eye contact, ensure adequate ventilation.
Environmental precautions	The product is mildly alkaline in nature, avoid discharging large quantities
Small spills	Remove excess powder and flush residue with water.

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 & N95 pre-filter (3M – supplier) should be utilised if ventilation is not adequate, especially when there is excessive dust emissions.

9. Physical and Chemical Properties

Appearance	White powder
pH (1%)	10.00 – 11.00
Solubility (water)	100 %

10. Stability and Reactivity

Stability	Stable under normal conditions, keep away from moisture.
Conditions to avoid	Strong acids and oxidizing agents
Hazardous decomposition products	Toxic fumes may be liberated on decomposition

11. Toxicological Information (based on soda ash)

Toxicity	Acute oral : 4090 mg/kg, rat
	Acute dermal > 5000 mg/kg
Carcinogenicity	No evidence of carcinogenic effects.
Mutagenicity	No evidence of mutagenic effects.
Teratogenicity	No evidence of teratogenic effects.
Reproductive effects	Not expected to impair fertility.

12. Ecological Information (based on surfactant)

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Acute toxicity – fish	The product can only be toxic to aquatic environment at excessive quantities
Acute toxicity - daphnia	The product can only be toxic to aquatic environment at excessive quantities
Acute toxicity – algae	The product can only be toxic to aquatic environment at excessive quantities
Biodegradability	Minimum 80% biodegradability, complies with a requirement of EEC non-ionics directive 82/242
Bio accumulation	Not expected to bio accumulate, removed in biological treatment process.

13. Disposal Considerations

Disposal method	Dispose as per local agreed government method.
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14. Transport Information

Substance identity no	N008
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

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

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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 N008	00
20/05/2013	Technical Manager	Document review and change of Company logo.	MSDS N008	01
17/02/2017	Operations Director	Document review and Section 14 revised	MSDS N008	02

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