

# MATERIAL SAFETY DATA SHEET



Description: SAF PINE GEL      Revision Number: 01

Document Number: MSDS P004

## GEL TYPE CLEANER / DEODORISER

### GENERAL

SAF-PINE is specially developed to clean and deodorise at the same time.

### FORMULATION

SAF-PINE is based on a selection of highly active surfactants and perfume.

### PRODUCT DESCRIPTION

TEST	UNIT	SPECIFICATIONS
Appearance		Fluorescent yellow gel
pH		7.0 – 9.0
Odour		Pine
Solubility (water)		100 %

### PROPERTIES

- \* Deodorises and cleans simultaneously.
- \* Soluble in cold and hot water.
- \* Will not dull floors or paint work.
- \* Rinse freely off with cold water.
- \* Highly concentrated - dilute up to 1:200
- \* Gelled nature of product simplifies application and cuts down on spillage by labourers.
- \* Human skin irritation test - nil - contains no alkali's

### APPLICATION

Kitchen floors, painted walls, change rooms, showers, bathrooms, all types of tiles etc.

In gel form : distribute SAF-PINE liberally over the floor surface, sprinkle with water and work in with water a soft cloth or mop - rinse with fresh water.

In premix form : dissolve SAF-PINE at 50 to 200 parts hot or cold water to one part SAF-PINE in a bucket. Apply solution with brush, mop, and cloth or with SAFIC tank type or hand sprayers - rinse with fresh water.

Prepared by: Sabelo Dladla

Reviewed by: Doug Cutter

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**NOTE** :      Avoid using in areas where there is a danger of pine odour making contact with foodstuffs.

Prolonged contact may have a defatting effect on the skin.

**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 North, 1450	e-mail:	<a href="mailto:technical@safic.co.za">technical@safic.co.za</a>

## 1. Product Identification

Trade Name	SAF- PINE	Product code : P004
Chemical Family	Gel type cleanser	
Chemical Name	Formulated chemical	
Product Use	Cleaning, deodorising	
UN Number	3082 (Miscellaneous substances)	

## 2. Composition

CAS No.	Hazardous Components	Approximate %	Limit and OSHA PEL
8002-09-3	Pine oil	<10	skn-rbt 500mg/24H SEV
141-43-5	Monoethanolamine	<10	TWA 3 ppm, STEL 6 ppm
EEC classification	Irritant (Xi), SAF – PINE		
R Phrases	R36/38, SAF - PINE		

## 3. Hazards Identification

Main hazard	Irritant
Inhalation	No effect, when used as specified
Skin contact	Irritant, avoid prolonged contact with concentrate
Eye contact	Irritant, avoid eye contact with product at any given time.
Ingestion	Nausea, vomiting.

## 4. First Aid Measures

Inhalation	No effects, should the symptoms, remove to fresh air.
Skin contact	Flush with water for at least 5 min.
Eye contact	Rinse eyes with running water with eyelids opened for at least 15 min. Seek medical attention, even if the are no symptoms.
Ingestion	Allow large quantities of water do not induce vomiting. Seek immediate medical attention,

## 5. Fire Fighting Measures

Product 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	When disposing large quantities, the product can be harmful to aquatic environment.
Small spills	Remove excess with absorbent material and flush residue with plenty of water.
Large spills	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 to the product.
Storage	Store in a cool dry place. Keep container closed.

## 8. Exposure Controls/Personal Protection

Workers should have access to 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, <b>NEOPRENE</b> 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	Fluorescent yellow gel
pH	7.00 – 9.00
Odour	Pine
Solubility (water)	100%

## 10. Stability and Reactivity

Stability	Stable under normal conditions.
Conditions to avoid	Strong acids
Hazardous decomposition products	None Known. When burning toxic fumes of carbon oxides will be liberated.

## 11. Toxicological Information

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

### 12. Ecological Information

Acute toxicity – fish	LC 50: 1.2 mg/l (48hrs)
Acute toxicity - daphnia	EC 50: 2.2 mg/l (48hrs)
Acute toxicity – algae	EC 50: > 10mg/l (96hrs)
Biodegradability	The product is readily biodegradable
Bioaccumulation	There's no possibility.

### 13. Disposal Considerations

For small amounts dilute product 1000 times before running into waste.	
Large amounts should be contained and disposed as per local government agreed method.	
Disposal of packaging	Recycle or provide to drum collectors.

### 14. Transport Information

UN No:	3082
Substance identity no	P004
ADR/RID class	Class 9: Irritant gel
IMDG – packaging group	III
Marine Pollutant	No
IMO/IMDG Classification	Class 9 Irritant gel
IATA Classification	Class 9 Irritant gel

### 15. Regulatory Information

EC Classification	Irritant (Xi)
EC Risk phrases	R22/36/37
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)

**EMERGENCY NUMBERS: 011 406 4000 / 082 412 2298**

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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.	
22/03/2011	Technical Manager	New Issue	MSDS P004	00
30/03/2015	Operations Director	Review	MSDS P004	01

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