

## MATERIAL SAFETY DATA SHEET

**Description:** SAF FLOORGENE      **Revision Number:** 02  
**Document Number:** MSDS F014



### HEAVY DUTY FLOOR CLEANER

#### GENERAL

SAF-FLOORGENE is a water-based, high pH product with a wide variety of uses, especially where stubborn deposits need to be removed.

#### FORMULATION

SAF-FLOORGENE is based on a balance of biodegradable, non-ionic and anionic surfactants, coupling solvents, chelating and soil-suspending inorganics but contains no free alkali.

#### PRODUCT DESCRIPTION

TEST	UNIT	SPECIFICATION
Appearance		Clear fluorescent yellow Liquid
Density	g/cm <sup>3</sup>	1,03- 1,06
pH		11,5 – 13.8

#### PROPERTIES

- Approved in accordance with SABS 1828 –Cleaning chemicals for use in the food industry
- Heavy-duty degreaser.
- Excellent fat dissolver.
- Effective removal of heavy deposits of dirt, oils and fats.
- Safe on plastic and rubber.
- Contains soil-suspending agents to prevent re-depositing of dirt and oils.
- Can be used as a polish stripper

#### APPLICATION

1. Heavy duty degreasing (Kitchens, butcheries and abattoir floors etc.) - dilute up to 1:15.
2. Polish stripping (acrylic based or wax polishes) - dilute up to 1:5.
3. Rinse well.

**NOTE: Avoid contact with skin – wear protective clothing**

#### **COMPLIES WITH SANS 1828**

**Prepared by:** Sabelo Dladla  
**Reviewed by:** Doug Cuter  
**Status:** Issued

**Approved by:** Doug Cutter  
**Revision Date:** 14 February 2017  
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THE RECOMMENDATIONS CONTAINED HERE-IN IS BASED ON LABORATORY 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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## 1. Product Identification

Trade Name	SAF-FLOORGENE	Product Code:	F014
Chemical Family	General purpose cleaner containing surfactants, chelating agents and solvents.		
Chemical Name	Formulated chemical		
Product Use	General purpose cleaning & polish stripping.		

## 2. Composition

CAS No.	Hazardous Components	Approximate %	OSHA PEL/Limit
6834-92-0	Sodium metasilicate	<10	250 mg/24H SEV (skin)
111-76-2	Glycol ether	< 10	25ppm TWA; 120mg/m <sup>3</sup>
EEC classification	Irritant (xi), SAF - FLOORGENE		
R Phrases	R36/37/38, SAF - FLOORGENE		

## 3. Hazards Identification

Main Hazard	Irritant
Fire	Non-flammable
Inhalation	Excess spray – coughing, shortness of breath.
Skin contact	Irritant. Prolonged or frequent contact may lead to defatting of skin
Eye contact	Irritant. Burning
Ingestion	Nausea. Vomiting, gastrointestinal irritation, burns to throat and mouth

## 4. First Aid Measures

Inhalation	Move patient to fresh air.
Skin contact	Rinse area well with water. If necessary, use a hand-cream to replenish moisture.
Eye contact	Flush eyes with water running 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. If large quantities have been swallowed obtain medical attention.

## 5. Fire Fighting Measures

Extinguishing media	Product non-flammable. Use extinguishing agents for surrounding fire.
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Special hazard	None known
Protective clothing	Approved self contained breathing apparatus should be utilised or equivalent.

### 6. Accidental Release Measures

Personal precaution	Avoid prolonged skin contact with the concentrate.
Environmental precaution	The alkaline nature of the product should be taken into consideration, dilute product before disposing.
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. 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, <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	Clear fluorescent yellow liquid
pH	11,5 - 13.8
Density	1.03 – 1.06 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 Known

### 11. Toxicological Information (based on sodium metasilicate)

Toxicity	Acute oral : LD50 : 1153 mg/kg, rat
	Acute dermal : skn – (rbt) 250 mg/24H SEV
Carcinogenicity	No evidence of carcinogenic properties

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Mutagenicity	No evidence of mutagenetic effects
Teratogenicity	No evidence of teratogenic effects
Reproductive hazard	Not expected to impair fertility

### 12. Ecological Information (based on glycol ether)

Fathead minnow	96 hr bioassay LC50: 1700 mg/l
Daphia Magna	48 hr bioassay LC50: > 1000mg/l
Bacterial	IC50: > 1000mg/l
Biodegradability	Biodegradation: 88 % 20 days
Bio accumulation	No possibility of bioaccumulation – completely water soluble

### 13. Disposal Considerations

Disposal method	Dispose as per local agreed government method.
Disposal of packaging	Recycle or wash thoroughly and re-use the container.

### 14. Transport Information

Substance identity no	F014
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	R36/37/38
Safety phrases	S24/25, S36

### 16. Other Information

Reference: 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 F014	00
20/05/2013	Technical Manager	Document review and change of Company logo.	MSDS F014	01
14/02/2017	Operations Director	Document Review and update of Section 14	MSDS F014	02

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