

MATERIAL SAFETY DATA SHEET

Description: SAF SCREEN Revision Number: 02

Document Number: MSDS S009



GENERAL

SAF-SCREEN is a solvent based product used to clean the black trimming ink from windscreens prior to baking.

FORMULATION

SAF-SCREEN is based on a blend of high aromatic solvents.

PRODUCT DESCRIPTION

TEST	UNIT	SPECIFICATION
Appearance		Clear colourless liquid
Density	g/cm ³	0,86 - 0,90
Aromatic content	%	100

APPLICATION

Apply SAF-SCREEN by spraying the concentrated product on the windscreen to be cleaned. Rinse with water until all the traces of trimming ink have been removed.

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- SCREEN	Product code: S009
Chemical Family	Aromatic Hydrocarbon	
Chemical Name	Solvent naphtha (petroleum), light aromatic	
Product Use	Solvent cleaner	
UN Number	1268	

2. Composition

CAS No.	Hazardous Components	Approx. %	OSHA PEL
103-65-1	Propyl/isopropylbenzene	<10	TWA 25 ppm (skin)
95-63-6	1.2.4 – trimethylbenzene	>30	
108-67-8	Mesitylene	<15	
EEC classification	Flammable (3), SAF-SCREEN		
R Phrases	R10, R37, R65, R66, R67, R51/53, SAF-SCREEN		

3. Hazards Identification

Main hazard	Flammable
Inhalation	Irritant to respiratory system. Headache, dizziness, nausea and narcosis.
Skin contact	Prolonged or frequent contact may lead to defatting of skin.
Eye contact	Burning
Ingestion	Nausea, vomiting

4. First Aid Measures

Inhalation	Move patient to fresh air / Give artificial respiration, Seek medical attention.
Skin contact	Remove contaminated clothing. Rinse area well with water. Use a hand-cream to replenish moisture.
Eye contact	Flush eyes with water for at least 15 minutes. Irrigate eyes thoroughly while lifting eyelids and rolling eyeballs. Seek medical attention.
Ingestion	Do not induce vomiting. Give nothing by mouth. Seek immediate medical attention.

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5. Fire Fighting Measures

Extinguish media if fire in surrounding area: carbon dioxide (CO ₂), dry powder, foam, or water.	
Special hazard	Avoid naked sparks or elevated sparks
Protective clothing	Approved self contained breathing apparatus should be utilised or equivalent equipment.

6. Accidental Release Measures

Personal precaution	Avoid prolonged skin contacted, use in well ventilated areas.
Environmental precaution	Do not discharge into storm water drains.
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 amounts of concentrated product into sewerage, and watercourses.

7. Handling & Storage

Handling	Normal handling procedure for solvent based products to minimise personal exposure.
Storage	Store in a cool dry area. Keep containers sealed.

8. Exposure Controls/Personal Protection

Workers should have access to an eye wash fountain.
Safety boots- rubber, knee length should be used.
If the specific application may result in splashing, safety goggles (VNC11 – supplier – MSA) should be supplied.
If prolonged or frequent contact is expected, NIRTILE gloves (Ultranitril 492 – 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 colourless liquid
Density	0.86 – 0.90 g/cm ³
Vapour pressure	0.3 kPa @ 20 degrees
Initial boiling point	167 degrees
Final boiling point	180 degrees
Flash point	47 degrees (Abel)

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10. Stability and Reactivity

Stability	Stable under normal conditions.
Incompatible	Heat flames and sparks
Hazardous decomposition products	None known

11. Toxicological Information (based on aromatic hydrocarbon)

Toxicity	LD50 (oral, rat) > 2000 mg/kg
	LD50 (dermal, rabbits) > 2000 mg/kg
	LC50 (inhalation, rat) > 5 mg/l
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

12. Ecological Information (based on aromatic hydrocarbon)

Acute toxicity – fish	Toxic, 1 < LC/EC/IC 50 <= 10 mg/l
Acute toxicity - Daphnia	Toxic, 1 < LC/EC/IC 50 <= 10 mg/l
Bacterial	Toxic, 1 < LC/EC/IC 50 <= 10 mg/l
Biodegradability	Readily biodegradable.
Bioaccumulation	Has the potential to bio accumulate.

13. Disposal Considerations

May be incinerated. Note local restrictions.
When disposing of large quantities, the alkaline nature of the product should be taken into consideration.
Prevent the discharge of large amounts of concentrated product into sewerage, and watercourses.

14. Transport Information

UN No.	1268
Substance identity no	H001
Packaging group	Class 3: Flammable liquid
ADR/RID class	III
Marine Pollutant	Harmful to aquatic organisms
IMO/IMDG Classification	IMDG Class 3 Flammable liquid
IATA Classification	Class 3 Flammable liquid

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15. Regulatory Information

EEC-hazard classification	Flammable (3)
Risk phrases	R10, R37, R65, R66, R67, R51/53
Safety phrases	S23, S24, S61, S62

16. Other Information

References: SABS 0265: 1999, SABS 0228: 1995, SABS ISO 11014-1: 1994, M.S.D.S. (Suppliers of raw's)
Issued by: Sabelo Dladla
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 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.

APPENDIX A

Revision Date (dd/mm/yy)	Issued By	Revision History		Revision No.
		Description	DCN No.	
18/02/2011	Technical Manager	New Issue	MSDS S009	00
20/05/2013	Technical Manager	Document review and change of Company logo.	MSDS S009	01
22/03/2017	Operations Director	Document review	MSDS S009	02

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