

MATERIAL SAFETY DATA SHEET

Description: SAF TYRE Revision Number: 02

Document Number: MSDS T005



TYRE BLACK

GENERAL

SAF-TYRE is water based acrylic coating for tyres and relevant surfaces. The flexible type acrylic emulsion used in the formulation provides good flexibility and adhesion to various substrates.

FORMULATION

SAF-TYRE is based on a selection of ultra violet resistant elastic type emulsions, coalescing agents and high quality black pigment.

PRODUCT DESCRIPTION

TEST	UNIT	SPECIFICATION
Appearance		Black viscous liquid
Density	g/cm ³	0,98 - 1,04
Viscosity	mPa.s	1500 - 2500

PROPERTIES

- * Superior mat finish - gives the appearance of a new tyre
- * Protects against ultra violet deterioration
- * Prevents perishing, thereby prolonging tyre life
- * Solvent free - does not attack rubber
- * Good elasticity - prevents cracking of coating
- * Can be diluted with water
- * Ideal as chassis paint

CAUTION: SHAKE THE PRODUCT TO ENSURE UNIFORMITY BEFORE EVERY USE.

APPLICATION

Clean tyre properly with a detergent and rinse well.
Use SAF-TYRE concentrate or dilute up to 1:2.

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Apply by brush or spray.
Allow to dry.

NOTE

Stir well before use.

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.

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Company Details

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Postal Address	PO BOX 1754, Alberton North, 1450	e-mail:	technical@safic.co.za

1. Product Identification

Trade Name	SAF-TYRE	Product Code:	T005
Chemical Family	Styrene/acrylic ester polymer emulsion, carbon black, glycol ether and preservative.		
Chemical Name	Formulated chemical		
Product Use	Water-based acrylic tyre paint		

2. Composition

CAS No.	Hazardous Components	Approx. %	Limit
112-34-5	Diethylene glycol mono-butyl ether	<10	Eye-rbt 5 mg SEV

3. Hazards Identification

Fire	Non-flammable
Inhalation	Irritation of eyes, nose & throat. Irregular heart beat. Headache. Dizziness.
Skin contact	Irritation. Removal of oil from skin.
Eye contact	Irritation. Watering of eyes
Ingestion	Nausea, vomiting. Irregular heart beat. Risk of fluid in the lungs.

4. First Aid Measures

Inhalation	Move patient to fresh air.
Skin contact	Remove chemical from contact with the victim's skin as soon as possible, by washing the area well with running water.
Eye contact	Flush eyes with water for at least 15 minutes. Irrigate eyes thoroughly while lifting eyelids and rolling eyeballs. If irritation persists, seek medical attention.
Ingestion	Seek medical attention . Empty the stomach to prevent further injury caused by absorption.

5. Fire Fighting Measures

Extinguish with carbon dioxide (CO ₂), dry powder, & foam.
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6. Accidental Release Measures

Small spills	Remove excess with absorbent material. Dispose of using a waste disposal company.
Large spills	Dyke ahead of liquid spill. Prevent the discharge of product into sewerage, and water courses. Ventilate area well. Dispose of using a waste disposal company.

7. Handling & Storage

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

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	Black, viscous liquid
Density	0.980 – 1.040 g/cm ³
Viscosity	1500 – 2500(30/3) mPa.s

10. Stability and Reactivity

Stability	Stable under normal conditions.
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	None Known

11. Toxicological Information (based on Carbon black)

Toxicity	Acute oral : LD50 : 5000 mg/kg or greater (rat)
	Acute oral : LD50 : 7.4 ml/kg or greater (mise)
Carcinogenicity	Questionable evidence of carcinogenic properties.
Mutagenicity	No evidence of mutagenic effects.
Teratogenicity	No evidence of teratogenic effects.

12. Ecological Information (based on glycol ether)

Aquatic toxicity – rainbow trout	LC50 : 2500 mg/l
Aquatic toxicity - daphnia	LC50 : > 1000 mg/l
Aquatic toxicity - algae	LC50 : > 1000 mg/l

13. Disposal Considerations

Prevent the discharge of product into sewerage, water courses and soil. Dispose of using a waste disposal company.
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14. Transport Information

No transport warning signs required.

15. Regulatory Information

EEC-hazard classification	Irritant (Xi)
Risk phrases	R36/37/38
Safety phrases	S25/37/39

16. Other Information

References : SABS 0265: 1999, 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 sheet.

APPENDIX A

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20/05/2013	Technical Manager	Document review and change of Company logo.	MSDS T005	01
21/02/2017	Operations Director	Document review	MSDS T005	02

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