

# MATERIAL SAFETY DATA SHEET

Description: SAF DUST WRAP

Revision Number: 02

Document Number: MSDS D025



## Company Details

Name	S.A.F.I.C (PTY) LTD	Tel:	+27 11 406 4000
Address	32 Steele Street, Steeledale, Jhb	Fax:	+27 11 406 4252
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 DUST WRAP	Product code: D025
Application area	Agglomeration, wrapping and binding of mineral and natural soil particles. Particles coalesce for excellent long term dust control.	
UN number	N/A	

## 2. Composition

Chemical class	Micro emulsion - aqueous dispersion of styrene acrylic co-polymer
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## 3. Hazards Identification (dangers for health of the persons)

Environmental risks	May be eliminated from water by chemical flocculation. According to experience, the material has no effect on the environment. Ecological data are determined by analogy.
Specific dangers of product	Does not require a hazard warning label, but the normal safety precautions for handling chemicals must be observed.

## 4. First Aid Measures

Advice to doctor	Symptoms until now are not known.
Skin contact	Wash the product off the skin with soap and water, if irritation develops, seek medical attention.
Eye contact	Flush eyes with plenty of water for at least 15 minutes. Irrigate eyes thoroughly while lifting eyelids and rolling eyeballs. If irritation persists, see a medical doctor.
Ingestion	Seek medical advice immediately and show the physician the packaging or label of the packaging.

## 5. Fire Fighting Measures

Extinguishing media	Water spray, carbon dioxide, foam, or sand.
Special fire fighting procedures	In case of fires, hazardous combustion gases are formed, e.g. Carbon monoxide (CO). Under certain conditions of combustion traces of other toxic substances cannot be excluded.

## 6. Accidental Release Measures/Spill or Leak Procedure

Waste Disposal	Contain and pick up product with absorbent material (e.g. sand, acid binder, universal binder, saw dust), place in proper container and dispose of waste materials in accordance with all local regulations. Thoroughly clean the contaminated floors and objects.
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Prepared by: Sabelo Dladla  
Reviewed by: Chad Hutchinson  
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Environmental precautions	Contain contaminated water/fire fighting water – do not allow to enter drains or waterways.
Personal precautions	Forms a slippery layer with water. Is not slippery when mixed with soil.

### 7. Handling & Storage

Handling	Always wash hands with soap and water before handling food or smoking as good chemical hygiene handling practice. Use good chemical hygiene practices when working with any chemical.
Ventilation	Provide good ventilation when handling large quantities. No special measures necessary if stored and handled as prescribed.
Other precautions	None

### 8. Exposure Controls/Personal Protection

Storage	Store in a cool place away from frost and direct sunlight. Do not leave containers/vessels open.
Fire & explosion	No special measures necessary, otherwise handle fire requirements as per surrounding area.
Ventilation	Provide good ventilation when handling large quantities. No special measures necessary if stored and handled as prescribed.
PPE	Avoid contact with eyes and skin – wear rubber safety goggles and overalls. Observe the usual precaution when handling chemicals.
Hygiene measures	Remove soiled or soaked clothing immediately. Do not eat, drink, smoke or take drugs as per usual precautions when handling chemicals.

### 9. Physical and Chemical Properties

Appearance	Milky white liquid
Odour	Ammonia like
Density	Approx 1,05g/cm <sup>3</sup>
pH	7.5 to 8.5
Solubility (water)	100 %
Flash point	> 100°C
Boiling point	Approx. 100°C

### 10. Stability and Reactivity

Stability	Stable under normal conditions.
Thermal decomposition products	No decomposition if used as prescribed.
Hazardous reactions	Not known.

### 11. Toxicological Information

Toxicity	Acute oral toxicity. LD50 >5 000mg/kg(Rats – male/female) Method – OECD
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Remarks	The product can cause skin and eye irritation. The toxicological data given are determined by analogy.
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## 12. Ecological Information

Aquatic toxicity – fish	LC50 > 500mg/l (96h, zebra fish) Method – OECD 203
Bacteria toxicity	ECO approx. 1000 mg/l Method - OECD 209
Chemical Oxygen Demand (COD)	Approx 1 000mg/g
Remarks	Maybe eliminated from water by chemical flocculation. According to experience, the material has no harmful effect on the environment. Ecological data are determined by analogy.
Biodegradability	➤ 80% Method – OECD 302B
Leaching properties	Does not generate leachate after application.

## 13. Disposal Considerations

Disposal method of product	Contain and collect material using the appropriate absorbent material, place in proper container for disposal. Dispose of materials in accordance with all local regulations. Diluted solution maybe introduced into a biological purification plant with permission of the responsible authorities.
Disposal of packaging	Recycle or provide to drum collectors or recovers after appropriate cleaning of contaminated container has taken place.

## 14. Transport Information

UN No:	N/A
Substance identity	SAF DUST WRAP
Item code	D025
IMDG – packaging group	N/A
IMDG Code	N/A
IATA Classification	N/A

## 15. Regulatory Information

EEC-hazard classification	Hazard warning labels not compulsory
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## 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
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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.

### APPENDIX A

Revision Date (dd/mm/yy)	Issued By	Revision History		Revision No.
		Description	DCN No.	
04/06/2012	Technical Manager	Issued	MSDS D025	00
02/08/2012	Technical Manager	Change of product description	MSDS D025	01
05/11/12	Technical Manager	Editing	MSDS D025	02

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