



## MATERIAL SAFETY DATA SHEET

Description: FloorworX Floor Guard

Revision Number: 0

Document Number: MSDS FWXT002

### ACRYLIC RESILIENT FLOOR SEALER

#### GENERAL

FLOORWORX FLOOR GUARD is a water-based acrylic sealer specially designed to restore the gloss on worn resilient sheeting and tile products. The good adhesion properties of FLOORWORX FLOOR GUARD, together with the built-in plasticizers, results in a product suitable for use as a colourless sealer on many types of substrate. FLOORWORX FLOOR GUARD is not removable, is extremely tough and durable, and will not discolour with age.

#### FORMULATION

FLOORWORX FLOOR GUARD is based on a blend of hard-wearing acrylic emulsions, plasticizers and wetting agents as well as preservatives to ensure long shelf life.

#### PRODUCT DESCRIPTION

TEST	UNIT	SPECIFICATIONS
Appearance		Liquid opaque
Colour		Milky white
Odour		Sweet
Density	g/cm <sup>3</sup>	1,01 - 1,03
pH		7,5 - 9,0
Flash point	°C	None
TLV	ppm	1000

#### PROPERTIES

- \* Excellent resilient floor sealer with strong bonding properties to substrates.
- \* Durable and wear resistant surface.
- \* Compatible with FLOORWORX SEALER acrylic sealer.
- \* Water-based - applicators can be cleaned in water.
- \* Economical -1 litre covers 12m<sup>2</sup>.
- \* Excellent protective coating for painted surfaces.

Prepared by: Sabelo Dladla

Reviewed by: Doreen Gwanyuki

Status: Issued

Approved by: Doug Cutter

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### APPLICATION

- \* Clean floor properly to prevent dirt becoming sealed onto the floor.
- \* Rinse well to remove all traces of cleaning agents.
- \* Allow floor to dry.
- \* Apply a thin even coat of FLOORWORX FLOOR GUARD
- \* Allow to dry properly and apply a second coat.
- \* Allow to dry and apply FLOORWORX SEALER acrylic sealer.

**THE RECOMMENDATIONS CONTAINED HEREIN ARE BASED ON LABORATORY TESTS AND IN-FIELD 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:	<a href="mailto:technical@safic.co.za">technical@safic.co.za</a>

### 1. Product Identification

Trade Name	FLOORWORX FLOOR GUARD	Product Code : FWXT002
Chemical Family	Acrylic polymer	
Chemical Name	Acrylic emulsion floor sealer	
Product Use	Resilient floor sealer	
UN Number	3082 ( Miscellaneous substances)	

### 2. Composition

CAS No.	Hazardous Components	Approximate %	Limit
N/A	None	N/A	N/A
EEC-Classification	Irritant, (Xi), FLOORWORX FLOOR GUARD		
R Phrases	R36		

### 3. Hazards Identification

Main hazard	Irritant
Inhalation	No effects
Skin contact	Slightly irritant, only after repeated prolonged exposure.
Eye contact	Irritant
Ingestion	Nausea, vomiting

### 4. First Aid Measures

Inhalation	No effects
Skin contact	Wash with soap and water
Eye contact	Rinse with running water with eyes opened for at least 15 min. Seek medical attention.
Ingestion	Drink as much water as possible, seek immediate medical attention.

### 5. Fire Fighting Measures

Product is non flammable, extinguish if the is fire in surrounding area with carbon dioxide, dry powder, water.	
Special hazard	None known
Protective clothing	Approved self-contained breathing apparatus should be utilised.

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### 6. Accidental Release Measures

Personal precaution	Avoid eye contact and wash thoroughly in accidental contacts.
Environmental precaution	Product might be harmful at excessive quantities.
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 container closed when not in use.

### 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 worn.
Neoprene gloves (Technic 420 – supplier – MSA) should be utilised.

### 9. Physical and Chemical Properties

Appearance	White liquid
pH	7.5 – 9.0
Density	1,01 - 1,03 g/cm <sup>3</sup>
Solubility (water)	100%

### 10. Stability and Reactivity

Stability	Stable under normal conditions.
Conditions to avoid	Strong acids
Hazardous decomposition products	None known

### 11. Toxicological Information (based on glycol ether)

Acute toxicity – oral	Orl (rat) – LD50 : 6560 mg/kg
Acute toxicity – dermal	Skn (rabbit) – LD50 : 4120 mg/kg
Carcinogenicity	No evidence of carcinogenic properties.
Mutagenicity	No evidence of mutagenic effects
Teratogenicity	No evidence of teratogenic effects.

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

Acute toxicity – fish	96hr bioassay LC50 : 2500 mg/l
Acute toxicity - daphnia	48hr bioassay LC50 > 1000 mg/l
Acute toxicity – algae	IC50 : > 1000 mg/l
Biodegradability	77% in 20 days (based on solvent)

### 13. Disposal Considerations

Dilute product 1000 times and run to waste with plenty of water. When disposing large amounts, dispose as per local government agreed method.

### 14. Transport Information

UN Number	3082
Substance identity no	FWXT002 (The product is non hazardous)
ADR/RID class	Class 9: Irritant liquid
IMDG – packaging group	III
Marine Pollutant	No
IMO/IMDG Classification	IMDG Class 9 Irritant liquid
IATA Classification	Class 9 Irritant liquid

### 15. Regulatory Information

EC Classification	Irritant (Xi)
EC Risk phrases	R36
EC Safety phrases	S26

### 16. Other Information

References: SABS 0265:1999, SABS 0228: 1995 SABS ISO 11014-1:1994, M.S.D.S.(Suppliers of raw materials used in product)

Issued by: Sabelo Dladla

**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.	
15/09/2011	Technical Manager	New Issue	MSDS FWXT002	00

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