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(PTY) LTD. REG:2002/012975/07

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## **Material Safety Data Sheet**

### **Robex RX-Screed FSL, Part B**

#### **1. Identification of the substance/preparation and company**

Product: Amine component: A concrete surface sealer and levelling compound when combined with Part A and Part C

Product name:

- **Robex RX-Screed FSL 'Component B'**
- **RX-FSL Part B**

Manufacturer/supplier information:

- Manufacturer/supplier:
  - Robex SA (Pty) Ltd  
6 Middle Muir Road  
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PO Box 2082  
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General information:

- Emergency information phone:
  - Robex Technical Department
  - Phone: +27 11 892 2565
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#### **2. Composition/information on ingredients**

Chemical Name	EINECS No	CAS No.	% by weight	Symbols and Risk Phrases
Polyoxypropylenediamine	---	9046-10-0	< 5	C; R21/R22, R34, R43
Tetraethylenediamine			< 5	

Also contains water and non-classified modified poly siloxane oligomers.

See section 16 Additional Information, for full text regarding symbols and risk phrases.

#### **3. Hazards identification**

Skin contact:

- May cause sensitisation by skin contact.
- Repeated and/or prolonged exposure may cause an allergic reaction/sensitisation.
- Once sensitised, an individual may produce an allergic eczema reaction every time they are in contact with this material.

Vapours:

- Product vapour in low concentration can cause lacrimation, conjunctivitis and corneal oedema when absorbed onto the tissue of the eye from the atmosphere. Corneal oedema can cause the perception of "blue haze" or "fog" around lights, although this is a temporary effect and has no known residual effect.

Inhalation:

- Inhalation of vapours and/or aerosols in high concentration (e.g. when sprayed) may cause irritation of the respiratory system. In low concentrations may cause a sore throat.

Additional information:

- When the base is mixed with the hardener an exothermic reaction starts (i.e. heat is generated).
- If the mix is not applied within 20 - 30 minutes some smoking may occur.

#### **4. First-aid measures**

Inhalation :

- Move to fresh air. If breathing has stopped or is laboured give assisted respiration (e.g. mouth to mouth). Seek immediate medical aid.
- Prevent aspiration of vomit, turn victim's head to the side.

Skin contact:

- Remove contaminated clothing and shoes (Launder contaminated clothing before reuse.)
- Remove product from skin and immediately wash affected area with water and soap.
- Note to physicians: Application of corticosteroid cream has been effective in treating skin irritation.

Eye Contact:

- Hold eyelids apart and immediately flush with plenty of water for at least 15 minutes.
- Seek medical advice.

Ingestion:

- Administer 3 – 4 glasses of milk or water (never give anything by mouth to an unconscious person).
- Do not induce vomiting unless under medical supervision. Seek medical advice.

#### **5. Fire-fighting measures**

Suitable extinguishing media:

- Ignition will give rise to a Class B fire.
- In case of large fire use: Water spray, alcohol resistant foam.
- In case of a small fire use: carbon dioxide (CO<sub>2</sub>), dry chemical, dry sand or limestone.

Un-Suitable extinguishing media:

- High volume water jet.

Special exposure hazards:

- Burning produces noxious and toxic fumes – carbon and nitrogen oxides, plus ammonia.
- Use of water may produce very toxic aqueous solutions.
- Contact of liquid with the skin must be prevented.
- Personnel in vicinity and downwind should be evacuated.

Special protective equipment:

- Wear self-contained breathing apparatus, butyl rubber boots, gloves and protective suit.

Additional information :

- Retain expended liquids from fire fighting for later disposal.
- Standard procedure for chemical fires.
- Water mist may be used to cool closed containers.

#### **6. Accidental release measures**

Personal precautions:

- Ensure adequate ventilation.
- Use breathing apparatus if exposed to vapours/dust/aerosol.
- Use personal protective clothing.

Environmental precautions:

- Do not allow to enter drains or waterways
- In case of entry into waterways, soil or drains, inform the responsible authorities.

Procedures for cleaning up:

- Pick up with absorbent material (e.g. Sand, sawdust, general purpose binder)
- When picked up, treat material as prescribed under heading "Disposal".

#### **7. Handling and storage**

Handling

- Instructions for safe handling
  - See chapter 8 / Personal protective equipment.
- Instructions for fire and explosion protection
  - Not applicable

Storage

- Requirements for storage rooms and containers
  - Keep container tightly closed and dry in a cool, well-ventilated place
  - Combined storage instructions
    - Keep away from food, beverages and animal feed-stocks.

- Additional information regarding storage
  - Protect from atmospheric moisture and water
  - Protect from frost.
  - Protect from heat and direct sunlight

#### **8. Exposure controls/personal protection**

- Personal protective equipment
  - General protective and hygiene measures
- Personal protective measures
  - Do not inhale dust
  - Avoid contact with eyes and skin
  - Remove soiled or soaked clothing immediately.
  - Take care for sufficient ventilation or exhaust on the workshop place.
  - Do not eat, drink or smoke during work time.
  - Wash hands before breaks and after work.
  - Use barrier skin cream.
- Respiratory protection
  - Not applicable
- Hand protection
  - Nitrile rubber gloves
- Eye protection
  - Safety glasses/face shield
- Body protection
  - Working clothes

#### **9. Physical and chemical properties**

- Appearance
  - Physical state: Liquid
  - Colour: Yellow
- Odour: Amine-like
- Data relevant to safety
  - pH Alkaline
  - Boiling Point >100 °C
  - Flash point Not Applicable
  - Vapour Pressure <5mm Hg at 21°C
  - Solubility in water Reacts with water
  - Density at 20°C 1.073g/cm<sup>3</sup>
  - Viscosity at 20°C 110 mPas

#### **10. Stability and reactivity**

- Materials to avoid/dangerous reactions
  - Avoid strong Acids and strong Oxidizing Agents. Reaction with Peroxides could result in violent decomposition of the Peroxide.
  - Slowly corrodes copper, aluminium and zinc.
- Hazardous reactions possible with:
  - No hazardous reactions when stored and handled according to prescribed instructions.
  - When mixed with 'Component A' and left standing an exothermic reaction would take place after 20–30 minutes and some smoking may occur.
- Thermal decomposition and hazardous decomposition products
  - No decomposition if used as prescribed.
  - Ammonia produced when heated.
  - Irritating and toxic fumes at elevated temperatures.
  - Burning produces noxious and toxic fumes of nitrogen oxides, ammonia,
  - Carbon Monoxide and carbon dioxide (CO<sub>2</sub>)

#### **11. Toxicological information**

- Acute toxicity:
  - Oral toxicity - LD50 (rat) - 2000 mg/kg (estimate)
- Eye irritation:
  - Severe eye irritant.
- Skin Irritation:

- Dermal toxicity - LD50 (rabbit) - 2000 mg/kg (estimate).
- Mild skin irritant.
- Sensitisation:
  - May cause sensitisation by skin contact.
  - Sensitisation has occurred in laboratory animals after repeated exposures.
- Carcinogenicity:
  - This product contains no listed carcinogens according to IARC, ACGIH,
  - NTP and/or OSHA in concentrations of 0.1 percent or greater.
- Experience on humans
  - When skin contact:
    - May cause irritation.
  - When eyes contact:
    - May cause irritation.
  - When inhalation:
    - May cause irritation.
  - When swallowed:
    - Small amount may cause health disorders.

## **12. Ecological information**

- Ecotoxicity:
  - Daphnia magna EC50 > 10 mg/l 24 hr test
  - Daphnia magna EC50 > 1.21 mg/l 48 hr test
- Mobility:
  - Soluble in water.
- Bioaccumulative potential :
  - No data.
- Additional ecological information:
  - Avoid subsoil penetration.
  - Prevent product from entering drains, do not contaminate surface water.

## **13. Disposal considerations**

- Unused product and waste from cleaning etc.:
  - Dispose in compliance with local and national regulations.
  - EC Waste Catalogue (EWC) code: 080112.
- Contaminated packaging:
  - Partially filled containers shall be disposed of as for the product above.
  - Well drained containers shall be disposed of as non-hazardous packaging waste.
  - Use EWC Code 150102 for plastic.

## **14. Transport information**

- ADR/RID
  - Further information
    - No dangerous goods.
- IMO/IMDG
 

○ UN 3082	Class: 9	Packing group: III
○ EmS:	F-A, S-F	
○ Marine pollutant:	No	
○ Further information	No Dangerous Goods	
○ Contains:	Epoxide resin	
○ Environmentally hazardous substance, liquid, n.o.s.		
- IATA/ICAO
 

○ Further information	No dangerous goods.
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## **15. Regulatory information**

- Labelling according to EEC Directive:
  - The product is classified and labelled in accordance with EC directives/the relevant national laws.
- Relevant hazardous ingredients for labelling:
  - Contains:
    - Contains: 3-aminomethyl-3,5,5-trimethylcyclohexylamine
- Danger symbols:
 

○ Xi	Irritant
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- R phrases:
  - 43 May cause sensitization by skin contact.
- S phrases:
  - 24 Avoid contact with skin.
  - 37/39 Wear suitable gloves and eye/face protection.
- Special labelling for certain preparations:
  - Contains epoxy constituents.

#### **16. Other information**

- Recommended use:
  - Chemical product for construction and industry
  - Concrete surface sealer when combined with Part A and Part C
  - Concrete smoothing compound
- R-phrases of the ingredients listed in chapter 2
  - 36/38 Irritating to eyes and skin.
  - 43 May cause sensitization by skin contact.
  - 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment when not cured with Parts A & C
- All warranties are excluded.
- Our most current General Sales Conditions shall apply.
- Please consult the Technical Data Sheet prior to any use and processing.
- The information contained in this Material Safety Data Sheet corresponds to our level of knowledge at the time of publication.