

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

**Product Name:**

**Flowfresh ESD MF Additive E**

**Application:**

Carbon fibre based component of a 5 pack anti-static polyurethane floor screed.  
When mixed, the product is applied using a serrated trowel.

**Manufacturer:**

Flowcrete S.A. (Pty) Ltd, 176 Voortrekker Street, Jacobs, 4026

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<http://www.flowcrete.com>

## 2. Composition/information on constituents

Contains carbon fibres.

## 3. Hazards Identification

Not classified as hazardous, possibility of some dust generation on handling.

This product is electrically conductive and may cause a short circuit in electrical equipment.

High level electrical protective measures required according to IP54.

## 4. First Aid measures

**Inhalation** : If irritation occurs, move to fresh air and give water to drink.

**Skin contact** : May dry out the skin, after handling wash with soap and plenty of water.

**Eye Contact** : Hold eyelids apart and immediately flush with plenty of water for at least 15 minutes.  
Avoid rubbing eyes as product may be slightly abrasive.  
Seek medical attention if irritation persists.

**Ingestion** : No adverse effects known. Wash out mouth, do not swallow mouthwash.  
Give water to drink.

## 5. Fire-fighting measures

**Suitable extinguishing media** : Water spray, carbon dioxide (CO<sub>2</sub>), foam, dry powder.

**Un-Suitable extinguishing media** : High volume water jet.

**Special exposure hazards** : Burning produces noxious and toxic fumes – carbon oxides.

**Special protective equipment** : None. In case of insufficient ventilation, wear self-contained breathing apparatus.

## 6. Accidental release measures

**Personal precautions** : Use personal protective equipment as detailed in Section 8.

**Methods for cleaning up** : Minimise generation of airborne dust. Shovel into suitable container.  
Dispose in accordance with Section 13.

## 7. Handling and storage

**Handling** : Use personal protective equipment as detailed in Section 8.  
Handle and open container with care, avoid creating dust.

**Storage** : Keep containers closed and store in a dry, cool, well-ventilated place.

## 8. Exposure controls/personal protection

**Workplace Exposure limit** for dust, Total inhalable dust : 10mg/m<sup>3</sup> 8h TWA (8  
hour time weighted average)

Respirable dust : 4 mg/m<sup>3</sup> 8h TWA

**Engineering measures to reduce exposure** : N/A

**Personal protective equipment** :

**Respiratory protection** : Wear a particulate dust mask.

**Eye protection** : Goggles or safety glasses.

**Skin and body protection** : Gloves and overalls.

## 9. Physical and chemical properties

**Appearance** : Fibres

**Odour** : None

**Boiling Point** : Not applicable

**Flashpoint** : Not applicable

**Explosion limits** : Not applicable

**Colour** : Grey/black

**Relative Density** : ~1.8

**Water solubility** : insoluble

**Water miscibility** : Not applicable

## 10. Stability and reactivity

Material is stable when stored under normal dry conditions.

**Conditions to avoid** : None

**Materials to avoid** : None

**Hazardous decomposition products** : None.  
Carbon oxides generated in a fire.

## 11. Toxicological information

**Corrosivity/irritation** : Skin – No irritant effect.  
Eye – This material is an mechanical irritant to the eyes.

**Sensitisation** : No sensitisation effects known.

**Repeated-dose toxicity** : No effects known.

**Additional information** : Product will dry out the skin if in contact for prolonged periods of time.  
Carbon fibres are of approximately 7µm diameter, do not fibrillate.

## 12. Ecological information

This is a non-volatile and insoluble material and will accumulate in the ground. Not hazardous to water.

### 13. Disposal considerations

- Unused Product/waste from cleaning etc.** : Dispose unused material as non-hazardous waste, in accordance with local and national regulations. Use EWC Code 080199.
- Contaminated packaging** : Dispose as non-hazardous packaging waste. Use EWC code 150101 for paper, 150102 for plastic.

### 14. Transport information

**Not classified as hazardous for transport.**

### 15. Regulatory information

**Classification according to EEC directive:** Not classified.

**Hazard Symbols - None**

**S-phrases**

**S36/37/39** : Wear suitable protective clothing, gloves and eye/face protection.

**Special provisions statement** : None

**Hazardous component(s) which must be listed on the label** : None.

**EC Directives:** Dangerous Substances Directive, 67/548/EEC & adaptations  
Dangerous Preparations Directive, 88/379/EEC  
Safety Data Sheets Directive, 91/155/EEC

**Statutory Instruments:** Chemicals (Hazard Information & Packaging for Supply) Regs 2002.

Control of Substances Hazardous to Health Regs 2002  
Environmental Protection (Duty of Care) Regs. 1991.

**Codes of Practice** Waste Management. The Duty of Care.  
Approved classification and labelling guide (Fifth edition). L131.  
The compilation of safety data sheets (Third edition).

**Guidance Notes** Occupational Exposure Limits EH40  
CHIP for Everyone HSG(108)  
BS EN 60529:1992 Specification for degrees of protection provided by enclosures (IP Code)

### 16. Other Information

This safety data sheet has been prepared in accordance with CHIP3. The text in sections 1, 8 and 13 has changed.

The provision of Safety data sheets comes under Regulation 6 of CHIP (CHIP is the recognised abbreviation for the Chemicals, Hazard Information and Packaging Regulations). This is in addition to the Health and Safety at Work Act 1974.

Users of our products should take appropriate measures to ensure working practices are in accordance with the Control of Substances Hazardous to Health Regulations (COSHH).

This data sheet does not replace the obligation of the user to provide their own assessment of workplace risk as required by other Health & Safety legislation.

**Training Advice**

Applicators need to be trained in:-

Handling and hygiene associated with use of industrial chemicals.  
Correct mixing and application of the product.  
Correct cleaning and disposal methods.

#### **Notes**

This product is electrically conductive and may cause a short circuit in electrical equipment.  
High level electrical protective measures required according to IP54.

Beware of cross contamination where different products are in use in the same location.  
Take into account the Manual Handling regulations when dealing with the mixed product.

#### **Restrictions on Use**

The product is intended for use by appropriately trained applicators in industrial situations.

This safety data sheet is based on our present knowledge and experience and is intended to serve as a guide for safe handling of the product regarding to health and environmental aspects.