

# MATERIAL SAFETY DATA SHEET

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

Product Name:	Flowcem Filler C (formerly known as Isosmooth DPM)
Application:	Filler C component (sand/cement mixture) of a 3 pack surface damp proof membrane. Mixed product is applied using a trowel.
<u>Manufacturer:</u>	Flowcrete SA (Pty) Ltd 176 Voortrekker Street Jacobs 4052

# Telephone Number: (031) 461 3411

# 2. Composition/information on constituents

Chemical Name	EINECS No.	CAS No.	% by weight	Symbols and Risk Phrases
Cement	270-659-9	68475-76-3	30 - 40	Xi; R41.
Silica Sand, Silicon dioxide	238-878-4	14808-60-7	> 50	None.
Respirable crystalline silica	-	14808-60-7	Trace	Xn; R48:R20

See section 16 Additional information, for full text regarding symbols and Risk phrases.

# 3. Hazards Identification

**Risk of serious damage to eyes.** The lime, calcium silicates and alkalis within the cement are partially soluble and when mixed with water will give rise to a potentially hazardous alkaline solution. The eyes are particularly vulnerable and damage will increase with contact time. Contact with wet cement may cause irritation, dermatitis or burns.

Contact between cement powder and body fluids (e.g. sweat and eye fluid) may also cause skin and respiratory irritation, dermatitis or burns.

#### 4. First Aid measures : In case of accident or you feel unwell, seek medical advice and take the relevant General Information safety data sheets. Never give anything by mouth to an unconscious person. Inhalation : If irritation occurs, move to fresh air. If nose or airways become inflamed seek medical advice. Skin : Wash with soap and plenty of water before continuing. If irritation, pain or other skin contact trouble occurs, seek medical advice. Contaminated clothing should be removed and washed thoroughly before re-use. : Hold eyelids apart and immediately flush with plenty of water for at least 15 minutes. Eye Contact Seek medical advice immediately. Ingestion Wash out mouth with water and give patient plenty of water to drink. :

# 5. Fire-fighting measures

This material is non-combustible and will not facilitate combustion with other materials.

# 6. Accidental release measures

Personal precautions Environmental precautions Methods for cleaning up	<ul> <li>Use personal protective equipment as detailed in Section 8. Ensure adequate ventilation.</li> <li>Avoid the formation of dust clouds.</li> <li>Sweep or preferably vacuum up and collect in suitable containers for disposal in accordance with Section 13. Avoid creating a dust cloud, dampen with water if possible. Addition of water may result in the product hardening in situ if not removed quickly.</li> </ul>
7. Handling and storage	
dust c Ensur Sectio	e adequate ventilation. Use personal protective equipment as detailed in on 8.
	e and open container with care. in a dry, cool, well-ventilated place.
8. Exposure controls/per	sonal protection
	t for Silica, respirable crystalline dust : 0.1 mg/m <sup>3</sup> 8hr TWA (8 hour time
Engineering measures to exposure Personal protective equip Respiratory protection Eye protection Hand protection Skin and body protection Protective measures	dust is likely to be generated from the handling of dry material. pment : Dust respirator if the conditions are dusty. : Goggles or face shield. : Impervious gloves.
9. Physical and chemical	properties
Appearance:Odour:Boiling Point:Flashpoint:Explosion limits:	Granules/powder mixpH:~11 - 14NoneWater solubility:slightNot applicableWater miscibility:Not applicableNot applicableVapour pressure:Not applicableNo data
10. Stability and reactivit	у
Material is inert and stable	
Conditions to avoid Materials to avoid Hazardous decompositio	<ul> <li>Damp storage conditions.</li> <li>Not applicable</li> <li>None.</li> </ul>
11. Toxicological informa	ition
Corrosivity/irritation :	<ul> <li>Skin – Cement powder or any cement/water mixture may cause irritant contact dermatitis, allergic dermatitis and/or burns.</li> <li>Eye – Cement is a severe eye irritant. Mild exposure can cause soreness. Gross exposures or untreated mild exposures can lead to chemical burning</li> </ul>

	and ulceration of the eye.		
	Respiratory tract – Cement powder may cause inflammation of the mucous		
	membranes. Ingestion – The swallowing of small amounts of cement or any cement/water mix is unlikely to cause significant reaction. Larger doses may result in irritation of the gastro intestinal tract.		
Repeated-dose toxicity	: High repeated exposures to cement in excess of the OES have been linked with thinitis and coughing.		
12. Ecological information			
Ecotoxicity	: LC <sub>50</sub> aquatic toxicity not determined. The addition of cement to water will raise the pH and may therefore be toxic to aquatic life in some circumstances.		
Mobility	: The product is not volatile and insoluble in water, will accumulate in the ground.		
Persistence and degradability	: Non biodegradable. The hydrated lime in the cement will react with atmospheric and dissolved carbon dioxide to form calcium carbonate (e.g. chalk).		
Bioaccumalative potential	: Not applicable.		
Additional ecological	: High concentrations of cement in water (>100 mg/l) may have a sterilising		
information	effect in sewage works.		
13. Disposal considera	tions		
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Unused Product/waste from	<ul> <li>Dispose in accordance with local and national regulations.</li></ul>
cleaning etc.	EC Waste Catalogue code: 08 01 99 <li>Dispose of as non-hazardous packaging waste,</li>
Contaminated packaging	use EWC Code 150101 for paper, 150102 for plastic.

14. Transport information

Not classified as hazardous for transport.

15. Regulatory	information
Classification a	according to EEC directive:
Symbols:	<b>X</b>
	Irritant
R-phrases	
R41	: Risk of serious damage to eyes.
S-phrases	
S22	: Do not breathe dust.
S26	: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28	: After contact with skin, wash immediately with plenty of water and soap.
S36/37/39	: Wear suitable protective clothing, gloves and eye/face protection.
	ons statement : None.
Hazardous con be listed on the	nponent(s) which must : Cement. e label
EC Directives:	Dangerous Substances Directive, 67/548/EEC & adaptations. Dangerous Preparations Directive, 1999/45/EC. Safety Data Sheets Directive, 91/155/EEC and adaptations.

Safety Data Sheets Directive, 91/155/EEC and adaptations. Chemicals (Hazard Information & Packaging for Supply) Regs 2002. Statutory

Instruments:	
	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)
	Construction Information Sheet No 26 (revision 2) CIS26(rev2) - Cement
	Construction Information Sheet No 36 (revision 1) CIS36(rev1) - Silica
	Chemical Hazard Alert Notice 35 – Respirable Crystalline Silica

### 16. Other Information

This safety data sheet has been prepared in accordance with CHIP3. 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.

Maximum exposure limits and Occupational Exposure Standards have been taken from EH40 Occupational Exposure Standards (from HSE Books).

EC Directive relating to the classification, packaging and labelling of dangerous substances and preparations - Classification(s) and Risk (R) phrase(s) referred to in this document:

Xn : Harmful Xi	:	Irritant
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R41 : Risk of serious damage to eyes.

R43 : May cause sensitisation by skin contact.

R48:R20 : Harmful : danger of serious damage to health by prolonged exposure through inhalation.

### 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.

### **Restrictions on Use**

The product is intended for use by appropriately trained applicators in industrial situations. It is not suitable for use in home DIY applications, especially because of its hazardous nature and the protective measures required.

### Notes

Do not use organic solvents for skin cleansing, it will lead to defatting of the skin, skin irritation and/or dermatitis.

Some solvents can be absorbed through the skin.

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.

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.

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