

Revision 4      Date Issued: January 2014

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

**Product Name:**      **Natural Quartz No.1**

**Application:**      Filler component (sand mixture) of a 3 component self smoothing resin floor finish.  
Mixed product is poured onto the floor and spread with a trowel and/or rake.

**Manufacturer:**

Flowcrete SA (Pty) Ltd, 176 Voortrekker Street, Jacobs, 4052  
Tel: +27 (0)31 461 3411      Fax: +27 (0)31 461 3475  
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### 2. Composition/information on constituents

Chemical Name	EINECS No.	CAS No.	% by weight	Symbols and Risk Phrases
Respirable crystalline silica	-	14808-60-7	trace	Xn; R48;R20

Contains a mixture of sands and calcium magnesium carbonate.  
See section 16 Additional information, for full text regarding symbols and Risk phrases.

### 3. Hazards Identification

This product is not classified as hazardous in accordance with the EC regulations.  
Main hazard is dust created in handling of the product.

### 4. First Aid measures

- Skin contact** : Wash with soap and plenty of water.
- Eye Contact** : Hold eyelids apart and immediately flush with plenty of water for at least 15 minutes.  
If irritation persists, seek medical advice.
- Ingestion** : Wash out mouth with water.
- Inhalation** : If anyone is affected, remove to fresh air. If symptoms persist, seek medical advice.

### 5. Fire-fighting measures

This material is non-combustible and will not facilitate combustion with other materials.  
Use equipment as for the surrounding materials.

### 6. Accidental release measures

- Personal precautions** : Use personal protective equipment as detailed in Section 8.  
Ensure adequate ventilation.
- Environmental precautions** : Avoid the formation of dust clouds.
- Methods for cleaning up** : 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.

### 7. Handling and storage

- Handling** : Provide sufficient air exchange and/or exhaust in work rooms. Avoid formation of dust cloud.  
Ensure adequate ventilation. Use personal protective equipment as detailed in Section 8.  
Handle and open container with care.
- Storage** : Store in a dry, cool, well-ventilated place.

## 8. Exposure controls/personal protection

**Maximum exposure limit** for Silica, respirable crystalline dust : 0.1mg/m<sup>3</sup> 8h TWA (8 hour time weighted average) (CHAN)

**Occupational Exposure Standard** for dust,      Total inhalable dust : 10mg/m<sup>3</sup> 8h TWA  
Respirable dust      : 4 mg/m<sup>3</sup> 8h TWA

**Engineering measures to reduce exposure** : Local exhaust ventilation is recommended where dust is likely to be generated from the handling of dry material.

**Personal protective equipment** :

**Respiratory protection** : Dust respirator if the conditions are dusty.

**Eye protection** : Goggles or face shield.

**Hand protection** : Impervious gloves

**Skin and body protection** : Protective suit.

**Protective measures** : Use of the basic principles of Industrial Hygiene will enable this material to be used safely.

## 9. Physical and chemical properties

Appearance	: Powder/grain mix	pH	: Neutral
Odour	: None	Vapour pressure	: Not applicable
Boiling Point	: Not applicable	Water solubility	: None
Flashpoint	: Not applicable	Water miscibility	: None
Explosion limits	: No data		

## 10. Stability and reactivity

Material is inert and stable.

**Conditions to avoid** : Not applicable

**Materials to avoid** : Not applicable

**Hazardous decomposition products** : None.

## 11. Toxicological information

This product is not classified as hazardous in accordance with EC Regulations.

**Further information** : In the UK, the HSE has issued a CHAN (Chemical Hazard Alert Notice 35) for respirable crystalline silica, with the recommendation that exposure levels be kept down to 0.1 mg/m<sup>3</sup>. Current evidence indicates that if workers are exposed regularly to 0.3mg/m<sup>3</sup> there is a much greater risk of lung damage than had been previously thought. Respirable crystalline silica dust may cause silicosis, a lung disease. Long term exposures to high levels of respirable crystalline silica can also lead to an increased risk of developing lung cancer.

## 12. Ecological information

**Ecotoxicity** : No data.

**Mobility** : The product is not volatile and insoluble in water, will accumulate in the ground.

**Persistence and degradability** : Resistant to biodegradation.

**Bioaccumulative potential** : Not applicable.

**Additional ecological information** : None.

### 13. Disposal considerations

**Unused Product/waste from cleaning etc.** : Landfill. Dispose of in accordance with local and national regulations. EC Waste Catalogue (EWC) code: 08 01 99 Waste products from the Manufacture, Formulation, Supply and Use (MFSU) of paint and varnish. Waste not otherwise specified.

**Contaminated packaging** : Treat as for unused product.

### 14. Transport information

**Not classified as hazardous for transport.**

### 15. Regulatory information

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

**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, 1999/45/EC.  
Safety Data Sheets Directive, 91/155/EEC and adaptations.

**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)  
Respirable Crystalline Silica: Phase 1 (EH75/4)  
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 text in sections 8, 11 and 15 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.

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 :  
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**

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.