

Revision 2 Date Issued: 03/02/2014

1. Identification of the substance/preparation and company

Product Name: Quartz for the Flowchem VE systems

Application: This data sheet covers all blends and/or grades of Quartz, natural or coated with resin and non-classified pigments.

Manufacturer:

Flowcrete SA (Pty) Ltd, 176 Voortrekker Street, Jacobs 4052

Tel: +27 (0)31 461 3411

Fax: +27 (0)31 461 3475

E-mail: southafrica@flowcrete.com

Website: <http://www.flowcretesa.co.za>

2. Composition/information on constituents

Chemical Name	EINECS No.	CAS No.	% by weight	Symbols and Risk Phrases
Respirable crystalline silica (in silica sands)	-	-	trace	Xn; R48;R20
Silica sands	238-878-4	14808-60-7	> 98	None

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

3. Hazards Identification

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

4. First Aid measures

Inhalation : If irritation occurs, move to fresh air.

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. Seek medical attention.

Ingestion : Wash out mouth, do not swallow mouthwash.

5. Fire-fighting measures

This product is not flammable and will not facilitate combustion with other materials.

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/m³ 8h TWA (8 hour time weighted average)
Respirable dust : 4 mg/m³ 8h TWA

Workplace Exposure Limit for Silica, respirable crystalline dust : 0.1mg/m³ 8h TWA (CHAN)

Engineering measures to reduce exposure : N/A

Personal protective equipment :

Respiratory protection : Wear a particulate dust mask.

Eye protection : Goggles or face mask.

Skin and body protection : PVC gloves and overalls.

9. Physical and chemical properties

Appearance	: Granular and coloured	Vapour pressure	: Not applicable
Odour	: None	Relative Density	: 2.65
Boiling Point	: Not applicable	Water solubility	: insoluble
Flashpoint	: Not applicable (not flammable)	Water miscibility	: Not applicable
Explosion limits	: 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

11. Toxicological information

Coloured Quartzes are 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/m³. Current evidence indicates that if workers are exposed regularly to 0.3mg/m³ 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 : LC₅₀ aquatic toxicity rating not determined.

Biodegradation : Resistant.

Additional ecological information : This is a non-volatile and insoluble material and will accumulate in the ground.

13. Disposal considerations

Unused Product/waste from cleaning etc. : Dispose in accordance with local and national regulations. Use EWC Code 080199.

Contaminated packaging : Dispose of as non-hazardous packaging waste, use EWC Code 150101 for paper, 150102 for plastic.

