

**MATERIAL SAFETY DATA SHEET****SILICA FLOUR**

SUPPLIER: CEBO UK LIMITED
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PORTLETHEN
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SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION

- 1.1 Identification of the Substance: Quartz Flour.
1.2 Trade Name: Silica Flour.
1.3 Product Application: Well Cementing.

SECTION 2 - HAZARDS IDENTIFICATION

Silica Flour contains respirable particles as an impurity and as such is classified as STOT RE2 as defined in Regulation EC 1272/2008 and does not meet the criteria for a harmful classification according to Directive 67/548/EEC.

Prolonged, and/or massive inhalation of respirable crystalline silica may cause delayed lung fibrosis, commonly referred to as silicosis. Principal symptoms of silicosis are cough and breathlessness. Exposure to respirable crystalline silica dust should be monitored and managed.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Chemical Description: Quartz (SiO₂): 97-99%.
EINECS: 238-878-4
CAS: 14808-60-7.
3.2 Hazardous Ingredients: Free silica dust (1-10%).

SECTION 4 - FIRST AID MEASURES

- 4.1 Inhalation: In case of massive exposure, remove person to fresh air, seek medical attention.
4.2 Skin Contact: Wash with soap and water.
4.3 Eye Contact: Flush with plenty of water. Seek medical attention as necessary.
4.4 Ingestion: Give plenty of water to drink and seek medical attention as necessary.

SECTION 5 - FIRE FIGHTING MEASURES

- 5.1 Fire Fighting Measures: Does not burn. No hazardous releases in case of fire.



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SECTION 6 - ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions: Avoid airborne dust generation and provide for dust extraction/ventilation. Wear dust mask and goggles in dusty conditions.
- 6.2 Environmental Precautions: No special precautions.
- 6.3 Cleaning Up Method: Avoid sweeping dry. Spray with water or use ventilated vacuum system to prevent dust formation.

SECTION 7 - HANDLING AND STORAGE

- 7.1. Handling: Avoid dust generation and contact with the eyes.
- 7.2 Storage: Store in a closed system, ensuring silos are waterproof and free from internal condensation.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Occupation Exposure Standards: OES 8 Hr Time Weighted Average (TWA).
Respirable Dust 0.1 mg/m³
- 8.2 Engineering Measures: Wherever it is reasonably practicable to do so, Silica Flour should be stored, handled and transported within enclosed systems. Where this is not the case, airborne dust exposures should be controlled, by engineering methods, good work practices and as a final resort a personal respirator should be worn.
- 8.3 Personal Protection
- a) Respiratory Protection: Exhaust ventilation and respirators or masks.
 - b) Eye Protection: Dust Proof Goggles, as necessary.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Physical and Chemical Properties:
- Physical State: Free flowing grey/white powder.
 - Odour: None.
 - Relative Density: 2 – 3 g/cm³.
 - Solubility in Water: Insoluble
 - Grain Shape: Angular.

SECTION 10 - STABILITY AND REACTIVITY

- 10.1 Stability: Chemically stable, no particular incompatibility.

SECTION 11 - TOXICOLOGICAL INFORMATION

- 11.1 Inhalation: Maximum OES 0.1 mg/m³. Wear personal respirator/dust mask.
- 11.2 Skin Contact: Not dangerous.
- 11.3 Eye Contact: Non toxic. Wear dust proof goggles in dusty conditions.
- 11.4 Ingestion: Non toxic. Seek medical attention as necessary.
- 11.5 Chronic Effects: Prolonged and/or massive exposure to silica dust may cause silicosis, a nodular pulmonary fibrosis caused by the deposition in the lungs of fine respirable particles of crystalline silica.



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SECTION 12 - ECOLOGICAL INFORMATION

12.1 Ecological Information: No specific adverse effect known.

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Disposal of Waste Materials: Can be landfilled in compliance with local regulations. The material should be buried to prevent airborne respirable dust being emitted.

SECTION 14 - TRANSPORT/LABEL INFORMATION

No special precaution required under the regulation on transport of dangerous goods. Avoid dust spreading.

SECTION 15 - REGULATORY INFORMATION

Exempt from REACH Registration in accordance with Annex V.7.

SECTION 16 - OTHER INFORMATION