



## SAFETY DATA SHEET

SILICA FLOUR

Page 1

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Revision No: 1

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product name:** SILICA FLOUR

**Synonyms:** SILICA DUST

SILIC (SIO<sub>2</sub>)

**Company name:** BULK RESOURCES LIMITED

Ventureforth House

South Denes Rd

Great Yarmouth

Norfolk

NR30 3PT

United Kingdom

Tel: 0044 (0) 1493 660800

Fax: 0044 (0) 1493 331295

Emergency tel: 0044 (0) 1493 660800

Email: sales@bulkresources.co.uk

### 2. HAZARDS IDENTIFICATION

**Main hazards:** Harmful by inhalation.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** SILICA FLOUR 100.000%

### 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Drowsiness or mental confusion may occur. PROLONGED, REPEATED EXPOSURE TO RESPIRABLE SILICA FLOUR MAY CAUSE DELAYED LUNG INJURY (SILICOSIS)

### 4. FIRST AID MEASURES (ACTION)

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Wash out mouth with water.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used.

**Exposure hazards:** In combustion emits toxic fumes.

**Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

[cont...]

**SAFETY DATA SHEET**

SILICA FLOUR

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not create dust. If outside keep bystanders upwind and away from danger point.

**Environmental precautions:** Do not discharge into drains or rivers.

**Clean-up procedures:** Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**7. HANDLING AND STORAGE**

**Handling requirements:** Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of dust in the air. Avoid direct contact with the substance.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Fine powder

**Colour:** White

**Odour:** Odourless

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Insoluble

**Boiling point/range°C:** 2230

**Melting point/range°C:** 161 - 1720

**Flash point°C:** N/A

**Autoflammability°C:** N/A

**Vapour pressure:** NONE

**Relative density:** 2.65

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Heat.

**Materials to avoid:** Strong oxidising agents. Strong acids.

**Haz. decomp. products:** In combustion emits toxic fumes.

**SAFETY DATA SHEET**

SILICA FLOUR

**11. TOXICOLOGICAL INFORMATION**

**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

**12. ECOLOGICAL INFORMATION**

**Persistence and degradability:** Biodegradable.

**Bioaccumulative potential:** No bioaccumulation potential.

**Other adverse effects:** Negligible ecotoxicity.

**13. DISPOSAL CONSIDERATIONS**

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION****ADR / RID**

**UN no:** -

**Shipping name:** "NOT SUBJECT TO ADR"

**IMDG / IMO**

**UN no:** -

**IATA / ICAO**

**UN no:** -

**15. REGULATORY INFORMATION**

**Hazard symbols:** Harmful.



**Risk phrases:** R20: Harmful by inhalation.

**Safety phrases:** S23: Do not breathe DUST

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

**16. OTHER INFORMATION**

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.