



UNIVERSAL MINERAL SUPPLIES LTD

## Material Safety Data Sheet

### Silica Sand

Revision 15.3.19 | Supersedes all earlier versions

This data sheet has been produced in accordance with EC Directive 91/155/EEC

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

##### 1.1 Product identifier

**Silica Sand/Filter Sand/Incinerator Sand**

##### 1.2 Details of the supplier

Universal Mineral Supplies Ltd, Barlow Drive, Woodford Park Industrial , Winsford, CW7 2JZ

[sales@universalminerals.co.uk](mailto:sales@universalminerals.co.uk)

##### 1.3 Emergency telephone number

+ 44 (0) 1606 834723

#### 2. COMPOSITION/INFORMATION

**Pure substance:** No

**Chemical ID:** Silica CAS-NR: 14808-50-7

#### 3. HAZARD IDENTIFICATION

**3.1 Identification of hazards:** Inhalation; long term exposure to crystalline silica can cause silicosis of the lungs. Ingestion of dust particles may cause irritation. Contact with the eyes/mucous membranes may cause temporary irritation by abrasion. Prolonged contact with the skin may cause irritation by abrasion.

#### 4. FIRST AID MEASURES

##### 4.1 Description of first aid measures

**General information:** No acute and delayed symptoms and effects are observed.

**Inhalation:** Move into fresh air and keep at rest. Get medical attention if discomfort continues.

**Ingestion:** Rinse mouth thoroughly. Get medical attention if any discomfort continues.

**Skin contact:** Wash skin with soap and water. Use suitable lotion to moisturise skin.

**Eye contact:** Do not rub eye. Rinse with copious quantities of water and seek medical attention if irritation persists.



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## Material Safety Data Sheet

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#### 4.2 Most important symptoms and effects, both acute and delayed

**General information:** The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

**4.3 Indication of any immediate medical attention and special treatment needed:** No specific first aid measures noted.

### 5. FIRE FIGHTING MEASURES

#### 5.1 Extinguishing media

The product is non-combustible. No specific extinguishing media is needed.

#### 5.2 Special hazards arising from substance or mixture

Specific hazards

This product is not combustible. Carbon Dioxide is produced on heating.

#### 5.3 Advice for fire fighters

Special Fire Fighting Procedures: No specific fire fighting protection is required. Use an extinguishing agent suitable for the surrounding fire.

### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid airborne dust generation, wear personal protective equipment in compliance with national legislation.

#### 6.2 Environmental precautions

No known adverse environmental effects

#### 6.3 Methods and material for containment and cleaning up

Scoop up spillages and place in a container. Avoid creating airborne dusts. Wear appropriate respiratory protection, safety glasses and overalls as a precaution.

#### 6.4 Reference to other sectors

For personal protection, see section 8> For waste disposal, see section 13.



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#### 7. HANDLING AND STORAGE

##### 7.1 Precautions for safe handling

Avoid airborne dust generation. Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment.

Handle packaged products carefully to prevent accidental bursting. Do not eat, drink and smoke in work areas; wash hands after use; remove contaminated clothing and protective equipment before entering eating areas.

##### 7.2 Conditions for safe storage, including any incompatibilities

Store in a dry, covered area. Minimise airborne dust generation. Keep containers closed and store packaged products so as to prevent accidental bursting.

##### 7.3 Specific end use(s)

If you require advice on specific uses, please contact your supplier.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### 8.1 Control Parameters

Ingredients with MEL's: 0.1mg/m<sup>3</sup>, 8hr TWA. As Silica (SiO<sub>2</sub>) Crystalline dust.

##### 8.2 Exposure controls

###### Engineering measures:

Minimise airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organisational measures, e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing.

###### Respiratory measures:

In case of prolonged exposure to airborne dust concentrations, wear a respiratory protective equipment that complies with the requirements of European or national legislation.

**Eye Protection:** Use eye protection. Goggles/face shield are recommended.



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**Hand Protection:** For prolonged or repeated skin contact use suitable protective gloves. PVC or rubber gloves are recommended.

**Hygiene Measures:** When using, do not eat, drink or smoke. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin.

**Skin Protection:** No specific requirement. Appropriate protection (eg. Protective clothing, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Granular
Colour:	Yellow/orange
Odour:	Odourless
Bulk density:	Approx 1,600kg/m <sup>3</sup>
Flammability:	Not flammable

#### 10. STABILITY AND REACTIVITY

Material is stable under normal conditions.

#### 11. TOXICOLOGICAL INFORMATION

This material is an irritant to eyes.

##### Toxicological Test

Acute Toxicity: N/A

Additional Information: N/A

##### Experiences

Relevant observations: The degree of irritation was insufficient to warrant labelling as skin irritant.



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## Material Safety Data Sheet

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#### 12. ECOLOGICAL INFORMATION

<b>Information on elimination:</b>	None
<u>Behaviour in environment</u>	
Mobility % bio-accumulative	
Potential:	This product is in-volatile and insoluble and will accumulate in the ground. The product is resistant to bio-degradation.
<u>Eco-toxilogical Effects</u>	
Aquatic Toxicity:	N/A

#### 13. DISPOSAL CONSIDERATIONS

##### General information

This mineral can be disposed of as a non-toxic/inactive material in approved landfill sites in accordance with local regulations.

##### 13.1 Waste treatment methods

Where possible, recycling is preferable to disposal. Dispose of in compliance with local regulations.

#### 14. TRANSPORT INFORMATION

Road/Rail:	ADR/RID – not dangerous
Inland sea:	AND/ADNR – not dangerous
Air transport:	ICAO/IATA - not dangerous
Sea transport:	IMDG/Gyvsee – not dangerous



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#### 15. REGULATORY INFORMATION

- 15.1 Labelling:** Not classified as hazardous for supply
- 15.2 Chemical Safety Assessment:** No chemical safety assessment has been carried out.

#### 16. NATIONAL LEGISLATION

- HSE Guidance Note EH40/02
- COSHH Regulation 1999
- Environmental Protection Act 1990
- Chemicals (Hazard Information and packaging for supply) Regulations 1993

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**END OF MATERIAL SAFETY DATA SHEET.**