

Date Of Issue: 10/07/03

Issue No:5

## 1. Identification Of Material

Product: **Glass Investment Powder**

Manufacturer: Specialist Refractory Services Ltd  
The Amber Business Centre  
Riddings, Derbyshire. DE55 4BR. England

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## 2. Composition

A blend of plaster and silica with traces of modifying additives which are non-hazardous at the levels of addition.

Crystalline Silica CAS 14808-60-7      % composition 70-80%

## 3. Hazards Identification

May cause skin irritation in sensitive individuals. Irritating to eyes and respiratory system.

Long term over exposure to crystalline silica can lead to respiratory tract damage (silicosis).

## 4. First-Aid Measures

**Skin contact:** - Wash off with soap and water. Remove badly contaminated clothing.

**Eye contact:** - Irrigate immediately with copious amounts of plain water. If irritation persists consult medical advice.

**Inhalation:** - **Acute:** Move to fresh air. Seek medical advice if breathing becomes difficult.  
**Chronic:** Silicosis and pneumoconiosis can develop as a result of prolonged inhalation of crystalline silica.

**Ingestion:** - Unlikely to cause an adverse reaction. Do not induce vomiting. Drink water and seek medical advice if symptoms develop.

## 5. Fire-Fighting Measures

Will not support combustion.

## 6. Accidental Release Measures

Contain spillages and remove using ventilated vacuum cleaning systems. Care must be taken when emptying cleaner.

## 7. Handling And Storage

**Handling:** - Avoid contact with skin and eyes. Use in a well ventilated area. Avoid inhaling dust. Do not eat drink or smoke in areas where the material is used.

**Storage:** - Store in cool, dry environment.

## 8. Exposure Controls/ Personal Protection

The use of skin and eye protection is recommended. Exposure to dust should be assessed and monitored at every stage of the casting process. Wear suitable dust masks if the OEL cannot be achieved by local exhaust ventilation (FFP2 or FFP3 types).

## Crystalline silica - Occupational Exposure Limit

OEL 0.30 mg/m<sup>3</sup> respirable over 8 hrs

### 9. Physical And Chemical Properties

Colour: Off white  
Appearance: Gritty powder  
Odour: None

### 10. Stability And Reactivity

Stable.

### 11. Toxicological Information

Inhalation: - Dust from this product may irritate the respiratory tract.  
Skin contact: - May cause irritation in sensitive individuals.  
Eye Contact: - Irritation is likely.  
Ingestion: - May cause irritation.  
Long term exposure: - Prolonged and repeated contact with this material could lead to respiratory tract damage, silicosis or pneumoconiosis.

### 12. Ecological Information

Will form a hard crystalline mass with ground and atmospheric water.  
Avoid contamination of drains and watercourses.

### 13. Disposal Considerations

As an inert solid in accordance with local waste disposal legislation.

### 14. Transport Information – not classified as dangerous.

UN/SI No.: Not classified  
UN Class: Not classified  
Packing Group: Not classified  
Road UK: Not classified  
ARD: Not classified  
Sea IMO: Not classified  
Air ICAO: Not classified

### 15. Regulatory Information

EC Supply Labelling: Harmful  
R-Phrases: Harmful by inhalation  
Danger of serious damage to health by prolonged exposure.  
S-Phrases: Do not breathe dust.

### 16. Other Information