Material Safety Data Sheet

Date Of Issue: 15/08/03 Issue No: 5

1. Identification Of Material

Product: Investment Powder
SRS Industrial A

Manufacturer: Specialist Refractory Services Ltd
The Amber Business Centre
Riddings, Derbyshire. DE55 4BR, England
Tel. 0044 - (0)1773 608969 Fax. 0044 - (0)1773 540105

2. Composition

A blend of plaster, silica and alumino silicates 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$^3$ respirable over 8 hrs

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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  
    **S-Phrases:**  Danger of serious damage to health by prolonged exposure. Do not breathe dust.

16. **Other Information**