

Date of Issue: 07/07/03

Issue No: 3

1. Identification of Material

Product: **Foundry Investment**

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

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2. Composition

A blend of calcium sulphate and refractory grain with porous insulating material, fibrous reinforcement and traces of various modifying additives which are not harmful at the level of addition.

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

3. Hazards Identification

Gypsum plaster OEL/TLV - 8 hour TWA 5.0mg/m³ respirable

Tested over an 8 hour period, the respirable cristobalite level during the handling of Foundry Investment is 0.0001mg/m³ (OEL 0.3mg/m³). The health risks associated with the inhalation of the silica in this product are therefore extremely small.

4. First-Aid Measures

Skin contact: - Remove contaminated clothing. Wash immediately with water. Prolonged contact might cause irritation.

Eye contact: - Irrigate eye immediately. Seek medical assistance if irritation persists.

Inhalation: - Respirable dust from this product could, if inhaled over a prolonged period, constitute a health hazard. Acute over exposure may cause irritation to the respiratory tract. Remove from exposure. Irrigate nose and throat if necessary. Seek medical assistance if symptoms persist.

Ingestion: - Unlikely to cause adverse reaction. Very large doses might cause gastrointestinal irritation. Wash mouth with water and give copious quantities of water to drink. Seek medical advice if symptoms persist. Do not induce vomiting.

5. Fire-Fighting Measures

Will not support combustion.

6. Accidental Release Measures

Contain spillages and remove using ventilated vacuum systems. Avoid contamination of drains and watercourses.

7. Handling and Storage

Handling: - Avoid contact with skin and eyes. Avoid inhalation of high concentrations of dust. Do not eat, drink or smoke in areas where the material is used.

Storage: - Should be stored in a cool dry environment.

8. Exposure Controls / Personal Protection

The wearing of gloves and overalls is advised.

Wear suitable dust masks if the occupational exposure level cannot be achieved by means of local exhaust ventilation.

9. Physical and Chemical Properties

Colour: Off white
Appearance: Powder
Odour: Not applicable

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: - Serious irritation is likely.
Ingestion: - May irritate the gastrointestinal tract.
Long term exposure: - Prolonged and repeated contact with this material could lead to respiratory tract damage.

12. Ecological Information

Non bio-degradable. Will form hard crystalline mass with ground and atmospheric water.

Soluble in water to give alkaline solution. May be harmful to aquatic organisms in high concentrations. LC50 not determined.

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