1. **Identification of Material**

   **Product:** Foundry Investment

   **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 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