

**MATERIAL SAFETY DATA SHEET**  
**PRODUCT NAME: Fused Silica Crucible**

| <b>Ingredient</b>              | <b>Conc.</b> | <b>CAS. No.</b> |
|--------------------------------|--------------|-----------------|
| ALUMINIUM (III) SILICATE (2:1) | >60%         | 1327-36-2       |
| CHAMOTTE                       | 10-29%       | 788005-61-5     |
| SILICA, AMORPHOUS - FUSED      | 10-29%       | Not Available   |
| POTASSIUM ALUMINIUM SILICATE   | <10%         | 68476-25-5      |
| ZIRCONIUM SILICATE             | 10-20%       | 14940-68-2      |

**NOT CLASSIFIED AS HAZARDOUS ACCORDING TO WORKSAFE AUSTRALIA CRITERIA**

**Synonyms:** AUSTREF FUSED SILICA CRUCIBLE  
**Appearance:** WHITE/BROWN COLOURED CUP SHAPED ARTICLE (FIRED)  
**Odour:** ODOURLESS  
**Use(s):** CRUCIBLE, FIRE ASSAY  
**Supplier:** DFC Ceramics Australia

| <b>Poison Schedule</b> | <b>Hazchem</b> | <b>UN No.</b>  | <b>D.G. Class</b> | <b>Pkg. Group</b> | <b>EPG</b>     | <b>Sub/Tert Risk</b> |
|------------------------|----------------|----------------|-------------------|-------------------|----------------|----------------------|
| None Allocated         | None Allocated | None Allocated | None Allocated    | None Allocated    | None Allocated | None Allocated       |

**HEALTH HAZARDS**

**Health Hazard:** Low toxicity. Due to product form, adverse health effects are not anticipated under normal conditions of use

**Summary:** **CAUTION:** Avoid direct contact with any product when heated as severe burns may result.

**Eye:** Not applicable. Product may only present a hazard if dust is generated (e.g. when cut, crushed or sanded)

**Inhalation:** Not applicable. Due to product form and nature of use, inhalation hazard is not anticipated.

**Skin:** Low irritant. This product is heated during use. **CAUTION:** - direct contact with hot material may result in severe burns with permanent tissue damage

**Ingestion:** Not applicable. Due to product form, ingestion is highly unlikely

**PRECAUTIONS**

**Flammability:** Non flammable. No fire or explosion hazard exists.

**Reactivity:** Not reported incompatibilities.

**Ventilation:** No special ventilation precautions are normally required when handling this product.

### PERSONAL PROTECTIVE EQUIPMENT

**P.P.E.** No personal protective equipment is normally required. Where this product is heated appropriate heat resistant protective clothing is recommended, e.g. faceshield, gloves, apron, coveralls and boots.

### FIRST AID

- Eye:** If contact with hot material occurs, flush gently with cold running water. Adhered material should only be removed under medical direction. Seek immediate advice.
- Inhalation:** If over exposure occurs, leave exposure area immediately. If other than minor symptoms are displayed, seek immediate medical attention
- Skin:** If contact with hot materials occurs, drench area immediately with cold water
- Ingestion:** Not applicable. Due to product form, ingestion is highly unlikely

### SAFE HANDLING

- Storage:** Store in cool, dry area.
- Waste Disposal:** No special precautions are required for the disposal of this product.
- Transport:** Not regulated for transport purposes

### EMERGENCY

- Spillage:** Collect and re-use where possible
- Fire & Explosion:** Not flammable, no fire or explosion hazard
- Extinguishing:** Not applicable.

### PHYSICAL AND CHEMICAL PROPERTIES

|                                |                             |                               |                |
|--------------------------------|-----------------------------|-------------------------------|----------------|
| <b>Flammability:</b>           | NON FLAMMABLE               | <b>Flash Point:</b>           | NOT APPLICABLE |
| <b>Boiling Point:</b>          | NOT APPLICABLE              | <b>Melting Point:</b>         | >1250°C        |
| <b>Exposure Standard (TWA)</b> | 10 mg/m <sup>3</sup> (Clay) | <b>Evaporation Rate:</b>      | NOT APPLICABLE |
| <b>pH:</b>                     | NOT ESTABLISHED             | <b>% Volatiles:</b>           | NOT APPLICABLE |
| <b>Specific Gravity:</b>       | 3.1                         | <b>Solubility:</b>            | INSOLUBLE      |
| <b>Vapour Pressure</b>         | NOT APPLICABLE              | <b>Upper Explosion Limit:</b> | NOT APPLICABLE |
|                                |                             | <b>Lower Explosion Limit</b>  | NOT APPLICABLE |

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