



# Material Safety Data Sheet

## ELB6400

### Clear Glaze

Classified as Hazardous According To Criteria Of Safe Work Australia.

|                        |   |
|------------------------|---|
| <b>Company Details</b> | Walker Ceramics 2/21 Research Drive, Croydon South, Victoria 3136, Australia<br>Telephone (03) 8761 6322 Fax (03) 8761 6344<br>Email <a href="mailto:sales@walkerceramics.com.au">sales@walkerceramics.com.au</a> Website <a href="http://www.walkerceramics.com.au">www.walkerceramics.com.au</a><br>Date Of Issue: April 2014 |
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| IDENTIFICATION                          |   |
|---|---|
| Product Name                            | Clear Glaze                                   |
| Other Names                             | None  |
| Manufacturers Product Code              | ELB6400                                       |
| UN Number                               | None  |
| Dangerous Goods Class & Subsidiary Code | None  |
| Hazchem Code                            | None  |
| Poisons Schedule Number                 | None  |
| Use(s)                                  | Used in the decoration of pottery & ceramics. |

| PHYSICAL DESCRIPTION / PROPERTIES |   |
|-----------------------------------|---|
| Appearance                        | Fine off white liquid   |
| Boiling Point / Melting Point     | >300°C  |
| Vapour Pressure                   | Not applicable  |
| Specific Gravity                  | Approx 2.5  |
| Flashpoint                        | Not applicable  |
| Flammability Limits               | Not applicable  |
| Solubility in Water               | Negligible  |
| Other Properties                  | Glazes are milled mixtures of frit, inorganic materials, colouring oxides and small amounts of milling additives. Frit is a chemically reacted mixture of inorganic substances in the form of essentially insoluble glassy silicates. |

| INGREDIENTS                                    |            |                |
|--|------------|----------------|
| Chemical Name                                  | CAS Number | Proportion (%) |
| Frits, chemical                                | 65997-18-4 | >60            |
| Lead Content: approx. 65% as PbO (theoretical) |            |                |
| Kaolin   | 1332-58-7  | <30            |
| Nuisance particulates                          | various    | up to 100      |

**HEALTH HAZARD INFORMATION**

|                |   |
|----------------|---|
| <b>Acute</b>   | <p>The hazardous ingredients for this product is incorporated into the glass like structure of the frit, chemically reacted in the form of silicates or other essentially insoluble complexes. Exposure to the hazardous ingredients can occur if the dust is inhaled or ingested and the ingredients dissolve out. This process is anticipated to occur very slowly.</p> <p>Dust may cause irritation of the eyes, skin and respiratory tract. Prolonged and/or repeated exposure to the dust may result in fibrotic lung damage (silicosis) in some people.</p> <p>Borax is considered hazardous because of its irritating effects on the eyes, nose &amp; throat</p> <p>Nuisance particulates can cause unpleasant or uncomfortable deposits in the eyes, ears &amp; nose but do not cause any toxic effect when exposures are kept in reasonable control.</p> <p>T - Toxic<br/> R61 - May cause harm to the unborn child.<br/> R62 - Possible risk of impaired fertility.<br/> R20/22 - Harmful by inhalation and if swallowed.<br/> R33 - Danger of cumulative effects.<br/> S13 - Keep away from food, drink and animal feeding stuffs.<br/> S20/21 - When using, do not eat, drink or smoke.</p> |
| Swallowed      | Large doses may cause gastro-intestinal irritation.   |
| Eye            | The dust may cause irritation of the eyes.  |
| Skin           | The dust may cause irritation and dryness of the skin.  |
| Inhaled        | Breathing the dust may cause respiratory irritation and discomfort  |
| <b>Chronic</b> | No specific information is available.   |

**FIRST AID**

|                         |   |
|-------------------------|---|
| Swallowed               | Give water or milk. Seek medical advice.  |
| Eye                     | Irrigate with water for at least 15 minutes and seek medical advice if symptoms persist.  |
| Skin                    | Wash thoroughly with soap and water. Change into clean clothing and launder contaminated clothing.  |
| Inhaled                 | Remove to fresh air. If breathing has stopped apply artificial respiration and seek immediate medical assistance.   |
| First Aid Facilities    | Washing area, eye wash.   |
| <b>Advice To Doctor</b> | Advice to Doctor: There is a danger of cumulative effects through ingestion and/or inhalation of lead-bearing dusts with prolonged or repeated exposures. Treat symptomatically.. |

**PRECAUTIONS FOR USE**

|                      |  |
|----------------------|--|
| Exposure Standards   | <p>CAS# 14808-60-7 Silica, crystalline, Quartz<br/> NOHSC TWA: 0.1 mg/m<sup>3</sup> (respirable dust)</p> <p>CAS# 7440-67-2 Borax, anhydrous and pentahydrate<br/> NOHSC TWA: 1.0 mg/m<sup>3</sup></p> <p>CAS# 7439-92-1 Lead, inorganic dusts &amp; fumes, (as Pb)<br/> NOHSC TWA: 0.15 mg/m<sup>3</sup></p> <p>CAS# 1332-58-7 Kaolin<br/> NOHSC TWA: 10.0 mg/m<sup>3</sup></p> <p>CAS# Various Nuisance dusts , various<br/> NOHSC TWA: 10.0 mg/m<sup>3</sup></p> <p>ACGIH = American Conference of Governmental Industrial Hygienists.<br/> TWA = Time Weighted Average<br/> NOHSC =National Health &amp; Safety Commission</p> |
| Engineering Controls | Ensure workplace is well ventilated.   |
| Personal Protection  | Approved respirator to AS1715 to be worn, gloves, safety glasses and protective overalls. Wash hands and face thoroughly after handling and before work breaks, eating, drinking, smoking and using toilet facilities.   |
| Flammability         | Not flammable under the conditions of use but the containers may burn.   |

**SAFE HANDLING INFORMATION**

|                         |  |
|-------------------------|--|
| Storage & Transport     | Store and transport in accordance with all regulations. Keep tightly closed in a dry, cool and well-ventilated place. Not subject to hazardous substances labelling.   |
| Spills & Disposal       | Dispose of in accordance with all Local, State and Federal regulations by incineration or disposal to landfill.  |
| Fire / Explosion Hazard | Fire-fighters should wear full protective clothing including self-contained breathing apparatus. Use water, foam or dry extinguishing media. Use equipment/media appropriate to surrounding fire conditions. Dispose of fire debris and contaminated extinguishing water in accordance with local regulations. |

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|-------------------|--|
| OTHER INFORMATION | AUSTRALIAN POISONS INFORMATION CENTRE<br>24 HOUR SERVICE 13 11 26<br>POLICE / FIRE / AMBULANCE 000 |
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This MSDS summarises, at the date of issue, our best knowledge of the health & safety hazard information for this product, and in particular how to safely handle and use this product in the workplace. Since Walker Ceramics and its agents cannot anticipate or control the conditions under which this product may be used, each user must prior to usage, review this MSDS in the context of how the user intends to handle and use this product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact us.

Our responsibility for products sold, is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.