



# FIRED <sup>UP</sup> KILNS

*and pottery supplies*

## Safety Data Sheet: Pottery Glazes

### Section 1: Identification:

#### Company Details:

| Address:   | Emergency Telephone Numbers: |
|--|------------------------------|
| 20 Helen Street, Heidelberg West, 3081, Victoria, Australia<br>www.firedupkilns.com.au | 0473 748 870                 |

#### Product Details:

| Product Name:                            | Product Use:          | Product Code: |
|--|-----------------------|---------------|
| Metallic Black Decorative Mid-Fire Glaze | Pottery Ceramic Glaze |               |

### Section 2: Hazards Identification Summary:

|                              |   |
|------------------------------|---|
| <b>Health Hazards</b>        | CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA.<br>May cause cancer. |
| <b>Physical Hazards</b>      | None  |
| <b>Environmental Hazards</b> | Very toxic to aquatic life with long lasting effects.                                   |

### Section 3: Composition and Information on ingredients:

| Component:                  | Percentage (%): | CAS Number: |
|-----------------------------|-----------------|-------------|
| Feldspar                    | <80             | 68476-25-5  |
| Gerstley Borate             | <20             | 1319-33-1   |
| Calcium carbonate (Calcite) | <10             | 1317-65-3   |
| Kaolin (clay)               | <20             | 1332-58-7   |
| Bentonite                   | Trace Amounts   | N/A         |
| Manganese dioxide           | <10             | 1313-13-9   |
| Copper oxide                | <10             | 1317-38-0   |
| Cobalt oxide                | Trace Amounts   | 1307-96-6   |

#### Section 4: First Aid Measures:

|                                   |   |
|-----------------------------------|---|
| <b>If swallowed:</b>              | Seek medical advice. Contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). |
| <b>If on skin or clothing:</b>    | Flush skin and hair with running water. Remove contaminated clothing immediately and launder.                 |
| <b>If in eyes:</b>                | Flush eyes continuously with water for at least 15 minutes. Seek medical advice if symptoms persist.          |
| <b>If inhaled:</b>                | Remove from contaminated area to fresh air. Apply artificial respiration if not breathing.                    |
| <b>Notes to doctor/physician:</b> | Treat symptomatically.  |

#### Section 5: Fire Fighting Measures:

|  |  |
|--|--|
| <b>Extinguishing Media:</b>                        | <ul style="list-style-type: none"><li>• Use an extinguishing agent suitable for the surrounding fire.</li></ul>  |
| <b>Fire &amp; Explosion Hazard:</b>                | <ul style="list-style-type: none"><li>• Not flammable under the conditions of use.</li><li>• May evolve toxic gases if strongly heated.</li><li>• The containers may burn</li></ul>  |
| <b>Fire Fighting Instructions &amp; Equipment:</b> | <ul style="list-style-type: none"><li>• Fire-fighters should wear full protective clothing including self-contained breathing apparatus.</li><li>• Use equipment/media appropriate to surrounding fire conditions.</li><li>• Dispose of fire debris and contaminated extinguishing water in accordance with local regulations.</li></ul> |

#### Section 6: Accidental Release Measures:

In case of spills or leaks:

|                     |   |
|---------------------|---|
| <b>Small Spill:</b> | Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal. |
| <b>Large Spill:</b> | Dispose of in accordance with all Local, State and Federal regulations by incineration or disposal to landfill.   |

## Section 7: Handling & Storage:

|                  |  |
|------------------|--|
| <b>Handling:</b> | <ul style="list-style-type: none"><li>• Before use carefully read the SDS.</li><li>• Observe good personal hygiene, including washing hands before eating.</li><li>• Prohibit eating, drinking, and smoking whilst using the product.</li></ul>  |
| <b>Storage:</b>  | <ul style="list-style-type: none"><li>• Store tightly sealed in a cool, dry, well-ventilated area, removed from incompatible substances and foodstuffs.</li><li>• Ensure containers are adequately labelled, protected from physical damage, and sealed when not in use.</li><li>• Check regularly for leaks or spills.</li><li>• Not subject to hazardous substances labelling.</li></ul> |

## Section 8: Exposure Controls. Personal Protection:

### Exposure Standards:

| <b>Ingredient</b>                                | <b>Reference</b> | <b>TWA (mg/m<sup>3</sup>)</b> | <b>STEL (mg/m<sup>3</sup>)</b> |
|--|------------------|-------------------------------|--------------------------------|
| Feldspars (dust)                                 | ACGIH (TLV)      | 10.0                          | -                              |
| Gerstley Borate (dust)                           | ACGIH (TLV)      | 5.0                           | -                              |
| Kaolin (clay)                                    | ACGIH (TLV)      | 2.0                           | -                              |
| Calcium carbonate (Calcite)                      | ACGIH (TLV)      | 10.0                          |                                |
| Manganese dioxide                                | ACGIH (TLV)      | 10.0                          | -                              |
| Bentonite  | ACGIH (TLV)      | 10.0                          | -                              |
| Cobalt, elemental, and inorganic compounds as Co | TVL              | 0.02                          | -                              |
| Copper oxide                                     | ACGIH (TLV)      | 0.02                          | -                              |

|                                       |   |
|---------------------------------------|---|
| <b>Engineering Limits:</b>            | Ensure workplace is well ventilated. Maintain vapour levels below the recommended exposure standard.                          |
| <b>Personal Protective Equipment:</b> | Wash hands and face thoroughly after handling and before work breaks, eating, drinking, smoking, and using toilet facilities. |

## Section 9: Physical & Chemical Properties:

| <b>Property:</b>           | <b>Details:</b> |
|----------------------------|-----------------|
| Appearance:                | Liquid          |
| Odour:                     | Odourless       |
| pH:                        | Not available   |
| Melting/Boiling point      | Not available   |
| Flashpoint:                | Not relevant    |
| Evaporation rate:          | Not available   |
| Flammability:              | Not flammable   |
| Vapour pressure & density  | Not available   |
| Density:                   | Not available   |
| Solubility:                | Not available   |
| Partition coefficient:     | Not available   |
| Auto-ignition temperature: | Not available   |
| Decomposition Temperature: | Not available   |
| Viscosity:                 | Not available   |

## Section 10: Stability & Reactivity:

|  |  |
|--|--|
| <b>Product Reactivity:</b>               | See below.   |
| <b>Chemical Stability:</b>               | Stable under recommended conditions of storage.              |
| <b>Hazardous Polymerisation:</b>         | Not expected to occur.                                       |
| <b>Conditions to Avoid:</b>              | Avoid heat, sparks, open flames, and other ignition sources. |
| <b>Incompatible Materials:</b>           | Oxidising agents.  |
| <b>Hazardous Decomposition Products:</b> | May evolve toxic gases if heated to decomposition.           |

## Section 11: Toxicology Information:

### Acute Toxicity:

|                           |  |
|---------------------------|--|
| <b>Eye Irritation:</b>    | Contact may result in irritation, lacrimation, pain, and redness.                              |
| <b>Skin Irritation:</b>   | Contact may result in irritation, redness, pain, and rash.                                     |
| <b>Sensitisation:</b>     | Not classified as causing skin or respiratory sensitisation.                                   |
| <b>Carcinogen Status:</b> | Cobalt and cobalt compounds are classified as possibly carcinogenic to humans (IARC Group 2B). |

## Section 12: Ecological Information:

|                               |                          |
|-------------------------------|--------------------------|
| <b>Environmental Summary:</b> | No information provided. |
|-------------------------------|--------------------------|

## Section 13: Disposal Considerations:

|                   |   |
|-------------------|---|
| <b>Waste:</b>     | Dispose of in accordance with relevant local legislation. Contact the manufacturer/supplier for additional information (if required). |
| <b>Container:</b> | Re-use where possible.  |

## Section 14: Transport Information:

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA.

## **Section 15: Regulatory Information:**

### **Hazards Code:**

Carc. Carcinogenic

### **Risk Phases:**

R49: May cause cancer by inhalation

### **Safety Phases:**

R49: May cause cancer by inhalation

S45: In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).

S53: Avoid exposure – obtain special instructions before use.

S60: This material and its container must be disposed of as hazardous waste.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

### **AUSTRALIA: AICS (Australian Inventory of Chemical Substances)**

All components are listed on AICS or are exempt.

## **Section 16: Any Other Relevant Information:**

It should be noted that the effects from exposure to this product will depend on several factors including:

- frequency and duration of use;
- quantity used; effectiveness of control measures;
- protective equipment used and method of application.

Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**AUSTRALIAN POISONS INFORMATION CENTRE**

**24 HOUR SERVICE 13 11 26**

**POLICE / FIRE / AMBULANCE 000**