



# FIRED <sup>UP</sup> KILNS

*and pottery supplies*

## Safety Data Sheet: Pottery Glazes

### Section 1: Identification:

#### Company Details:

Address:	Emergency Telephone Number:
Factory 39, 10 Cawley Road, Yarraville, 3013, Victoria, Australia <a href="http://www.firedupkilns.com.au">www.firedupkilns.com.au</a>	0473 748 870

#### Product Details:

Product Name:	Product Use:	Product Code:
Shino Style Mid-Fire Glaze	Pottery Ceramic Glaze	

### Section 2: Hazards Identification Summary:

<b>Health Hazards</b>	NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA.
<b>Physical Hazards</b>	None
<b>Environmental Hazards</b>	None. For precaution, prevent product from entering drains and waterways.

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

Component:	Percentage (%):	CAS Number:
Frits (Chemical)	<50	65997-18-4
Silica (Quartz)	<30	14808-60-7
Cornwall Stone	<30	14808-60-7
Calcium carbonate (Calcite)	<20	1317-65-3
Eckalite (Kaolin)	<20	1332-58-7
Tin oxide	<10	18282-10-5
Zinc Oxide	<5	1314-13-2
Iron oxide (red)	<5	1309-39-1
Bentonite	<5	N/A

#### 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>
Borax (anhydrous & pentahydrate)	NOHSC TWA	1.0	-
Silica (dust)	ACGIH (TLV)	0.1	-
Kaolin (clay)	ACGIH (TLV)	2.0	-
Calcium carbonate (Calcite)	ACGIH (TLV)	10.0	-
Tin oxide	ACGIH (TLV)	2.0	-
Zinc oxide (dust)	ACGIH (TLV)	5.0	-
Iron oxide	TVL	6.0	-
Copper, elemental, and inorganic compounds as Cu	ACGIH (TLV)	0.02	
CAS# Various Nuisance dusts , various	NOHSC TWA	10.0	
Bentonite	ACGIH (TLV)	10.0	-

<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:

Ingredient	Oral LD <sub>50</sub>	Dermal LD <sub>50</sub>	Inhalation LD <sub>50</sub>
LIMESTONE (CALCIUM CARBONATE)	> 5000 mg/kg (rat)		

<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>	Not classified as a carcinogen.

## Section 12: Ecological Information:

<b>Environmental Summary:</b>	No information provided.
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## 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:**

**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**