



FIRED ^{UP} 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 www.firedupkilns.com.au	03 7013 9025

Product Details:

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

Section 2: Hazards Identification Summary:

Health Hazards	CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA. May cause cancer.
Physical Hazards	None
Environmental Hazards	Very toxic to aquatic life with long lasting effects.

Section 3: Composition and Information on ingredients:

Component:	Percentage (%):	CAS Number:
Manganese dioxide	<50	1313-13-9
Silica (Quartz)	<30	14808-60-7
Feldspar	<30	68476-25-5
Kaolin (clay)	<20	1332-58-7
Copper oxide	<10	1317-38-0
Iron oxide (red)	<5	1309-39-1
Cobalt oxide	<5	1307-96-6
Talc	<5	1321-23-9
Titanium dioxide	Trace Amounts	13463-67-7
Bentonite	Trace Amounts	N/A

Section 4: First Aid Measures:

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

Section 5: Fire Fighting Measures:

Extinguishing Media:	• Use an extinguishing agent suitable for the surrounding fire.
Fire & Explosion Hazard:	• Not flammable under the conditions of use. • May evolve toxic gases if strongly heated. • The containers may burn
Fire Fighting Instructions & Equipment:	• Fire-fighters should wear full protective clothing including self-contained breathing apparatus. • Use equipment/media appropriate to surrounding fire conditions. • Dispose of fire debris and contaminated extinguishing water in accordance with local regulations.

Section 6: Accidental Release Measures:

In case of spills or leaks:

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

Section 7: Handling & Storage:

Handling:	• Before use carefully read the SDS. • Observe good personal hygiene, including washing hands before eating. • Prohibit eating, drinking, and smoking whilst using the product.
Storage:	• Store tightly sealed in a cool, dry, well-ventilated area, removed from incompatible substances and foodstuffs. • Ensure containers are adequately labelled, protected from physical damage, and sealed when not in use. • Check regularly for leaks or spills. • Not subject to hazardous substances labelling.

Section 8: Exposure Controls. Personal Protection:

Exposure Standards:

Ingredient	Reference	TWA (mg/m³)	STEL (mg/m³)
Feldspars (dust)	ACGIH (TLV)	10.0	-
Silica (dust)	ACGIH (TLV)	0.1	-
Kaolin (clay)	ACGIH (TLV)	2.0	-
Iron oxide	TVL	6.0	
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	-
Titanium Dioxide	ACGIH (TLV)	10.0	-
Talc	ACGIH (TLV)	2.5	-

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

Section 9: Physical & Chemical Properties:

Property:	Details:
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:

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

Section 11: Toxicology Information:

Acute Toxicity:

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

Section 12: Ecological Information:

Environmental Summary:	No information provided.
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Section 13: Disposal Considerations:

Waste:	Dispose of in accordance with relevant local legislation. Contact the manufacturer/supplier for additional information (if required).
Container:	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