



SAFETY DATA SHEET

HG001 | HOBBY CLEAR GLAZE

1. Identification of substance/preparation and of the company undertaking

Trade name: Hobby Clear Glaze

2. Hazards Identification

Classified as hazardous according to criteria of NOHSC

The Hobby Clear glazes are a mixture of ceramic material containing water, non-leaded and leaded frits. Contains potential carcinogens: Crystalline silica (quartz) and Lead as inhalation hazards and may be present if:

- a) Unfired, dried glazed is excessively handled and allowed to create dust.
- b) Mist is present after spray application.

GHS Label Elements:

Hazard Statements:	H411	Very toxic to aquatic life with long lasting effects.
	H360	May damage fertility or the unborn child.
	H372	Causes damage to organs through prolonged or repeated exposure.
	H351	Suspected of causing cancer.
Precautionary Statements:	P273	Avoid release to the environment.
	P264	Wash hands thoroughly after handling.
	P270	When using do not eat, drink or smoke.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P202	Do not handle until all safety precautions have been understood.
	P260	Do not breathe dust/fume/gas/mist/vapours/spray.
Signal word:	Danger	

UN Number	3082
Packing Group	None allocated.
Hazchem Code	None allocated.
DG Code	None allocated.
Subsidiary Risk	None allocated.



3. Composition/ Information on Ingredients

Entity	CAS No.	Classification	%
Binder	N/A	N/A	< 1
Antifoam	N/A	N/A	0-0.1
Dispersant	N/A	N/A	<0.1
Frits, Chemicals	65997-18-4	N/A	<20
Frits, Chemicals; Lead Biscilicate	65997-18-4	Repr. 1A/1B H360, STOT RE 1 H372 (central nervous system) Aquatic Tox. Acute H400, Aquatic Tox. Chronic 2 H411, Carc. 2 H351	< 18
Preservative	N/A	N/A	<0.5
Water	7732-18-5	N/A	<60

4. First Aid Measures

Eye	May cause irritation. Flush eyes with large quantities of water for at least 15 minutes. If irritation persists after washing, contact a doctor.
Inhaled	May cause irritation. Remove from exposure.
Skin	May cause irritation. Wash skin with soap and water.
Swallowed	Contact a doctor. Do not induce vomiting.
Advice to Doctor	Treat symptomatically.

5. Fire Fighting Hazards

Flammability	Non-flammable
Fire & Explosion	No fire or explosion hazard exists.
Extinguishing	Use an extinguishing agent suitable for the surrounding fire.
Hazchem Code	None allocated.

6. Accidental Release Measure

Spillage	Use personal protection equipment. Contain spillage. Uncontaminated material may be recovered and re-used. Contaminated material to be covered/absorbed with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.
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7. Handling & Storage

Handling	Before using carefully read the product label. Use of safe practices is recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.
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Storage	Store in a cool, dry, well ventilated area, removed from oxidising agents, acids and foodstuffs. Ensure that containers are adequately labelled, protected from physical damage, and sealed when not in use.
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8. Exposure Control/Personal Protection

Ingredients	TWA		STEL		ACGIH TLV	
	ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Frits, Chemicals; Lead Biscilicate,	-	-	-	-	-	0.15

Remaining main glaze ingredients do not have formal Exposure Limits. These glazes are liquid measures of ceramic material containing water, unleaded and leaded frits. These mixtures have no TWA or TLV under normal use. If sprayed, observe exposure limits.

Exposure controls – Personal protective equipment

Biological Limits	No biological limits allocated.
Engineering Controls	Avoid inhalation when spraying. Use in well ventilated area. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain vapour levels below the recommended exposure standard.
PPE:	
Eye/Face	Wear appropriate eye protection/safety glasses to keep mist out of eyes if spray application is used.
Hands	Not normally needed, however to avoid possibility of sensitisation, wear gloves.
Body	Wear appropriate clean, protective clothing such as, but not limited to, overalls, smocks and aprons.
Respiratory	Use a NIOSH approved respirator if spray application is used.
Work/ Hygienic Practices	Good hygiene practices should be followed. When products are in use, do not eat, drink or smoke. Wash hands immediately after use. Keep sealed. Keep out of reach of children. Do not use these products if pregnant or contemplating pregnancy.

9. Physical & Chemical Properties

Appearance	Viscous pink liquid
Odour	Negligible
Boiling Point	N/A
Melting Point	>400 °C
Vapour Pressure	Not available
Specific Gravity	1.4-1.5 @ 25 °C
Flash Point	Not relevant
Flammability limits	Not flammable
Solubility in water	Negligible
Viscosity	No data



Ph	7.0-8.5
% Volatiles	7-14%
Evaporation rate	Not available
Upper explosion limit	Not relevant
Lower explosion limit	Not relevant

10. Stability & Reactivity

Reactivity	None known.
Chemical stability	Stable
Conditions to avoid	Fumes from firing in kiln; mist created from spray application. Avoid contact with incompatible substances.
Incompatible material	None known.
Hazardous decomposition	None known.
Hazardous reactions	None known.

11. Toxicological Information

Health Hazard Summary	Under normal conditions of use, adverse health effects are not anticipated.
Acute and Chronic:	Due to the form of the products and low volatility, an inhalation hazard is not anticipated unless products are heated or sprayed. Prolonged inhalation of silica, in excess of TLV, over an extended period of time may result in injury to the lungs and silicosis. Lead Oxide: Classified 2B (Possible carcinogen for human) by IARC. The substance is toxic to blood, kidneys, the nervous system, mucous membranes. May damage fertility or the unborn child. May cause serious eye damage, is suspected of causing genetic defects, is suspected of causing cancer, is harmful if swallowed, is harmful if inhaled. May cause respiratory irritation and may cause an allergic skin reaction.
Eye	Irritant. Contact may result in irritation, lacrimation and redness.
Inhalation	Very hazardous. Exposure considered unlikely. Due to the form of the products and nature of use, an inhalation hazard is not anticipated with normal use.
Skin	Mild irritants. Prolonged or repeated contact may result in mild irritation.
Ingestion	Very hazardous. Ingestion is considered unlikely due to the form of the products. However ingestion via hand-mouth transfer may result in gastrointestinal irritation, nausea and vomiting. Maintain good personal hygiene standards.

Toxicity Data	Quartz (Silica Crystalline) (14808-60-7)	
	LCLo (inhalation)	300µg/m ³ / 10 years (human)
	TCLo (inhalation)	16,000,000 particles /ft ³ / 8 hrs / 17.9 years (human fibrosis)
	Frits, Chemicals (65997-18-4)	
	LD50 Oral (rat)	>2000mg/kg
	LC50 Oral (rat)	>2000mg/kg



13. Disposal Considerations

Waste disposal	For small amounts absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Contact the manufacturer for additional information if larger amounts are involved.
Legislation	Dispose of in accordance with relevant local legislation.

14. Transport Information

	Land Transport (ADG)	Sea Transport (IMDG/IMO)	Air Transport (IATA/ICAO)
Un Number	3082	3082	3082
Proper shipping name	Water based artist and hobby ceramic glazes.	Water based artist and hobby ceramic glazes.	Water based artist and hobby ceramic glazes.
DG Class/Division	None allocated	None allocated	None allocated
Subsidiary Risks	None allocated	None allocated	None allocated
Packing Group	None allocated	None allocated	None allocated
Hazchem Code	None allocated	None allocated	None allocated

15. Regulatory Information

Inventory List	All ingredients are on EC inventory.
Chemical safety assessment	Hazardous warning label required according to the EU guidelines/ Dangerous Chemicals Ordinance.

16. Other Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.