



SAFETY DATA SHEET

FANTASY CRYSTALS – LEAD FREE & CADMIUM FREE GLAZE CRYSTALS

1. Product Information

Fantasy Crystals: FC001, FC005, FC018, FC025, FC029.

2. Hazardous Ingredients

Entity	%	CAS No.	ACGIH TLV	OSHA PEL
SiO ₂	30-50	14808-60-7	0.1mg/m ³	0.1mg/m ³

3. Physical and Chemical Properties

Appearance	Various coloured granules
Odour	N/A
Boiling Point	N/A
Melting Point	> 400°C
Vapour Pressure	N/A
Specific Gravity	N/A
Flash Point	N/A
Flammability Limits	No data
Solubility in Water	Negligible
Viscosity	No data
Ph	N/A
Volatile Organic Comp.	< 1%

4. Hazards Identification

Silica	Crystalline Silica may be present. Crystalline Silica may cause irritation to eyes, skin and the respiratory tract. Prolonged or repeated inhalation of silica, in excess of TLV, may lead to delayed lung injury (silicosis). This material is listed as a possible carcinogen.
Routes of entry	Ingestion. Absorption through skin negligible. (Chronic) inhalation of metal fumes during firing causing lung inflammation and damage to kidneys and



nervous system.

5. First Aid Measures

Swallowed	Dilute by drinking water
Eye	Flush eyes with copious quantities of water for at least 15 minutes. If irritation persists, contact a physician.
Skin	Wash skin with soap and water
Inhaled	Remove from exposure. Apply artificial respiration if breathing has stopped and contact physician.

6. Fire/Explosion Hazard

Flash Point:	N/A
Flammable Limits:	N/A
Extinguishing Media:	Not combustible
Special Fire Fighting Procedure:	None
Unusual Fire and Explosion Hazards:	None

7. Accidental Release Measures

Spillage:	Uncontaminated material may be recovered and re-used. If contaminated, scoop, vacuum or wash into receptacle for disposal.
Waste Disposal:	Follow Federal or State and Local regulations for disposal. Testing of the waste may be required to determine status under hazardous waste regulations.

8. Handling and Storage

Engineering Control:	None
Work Practices:	Store away from food. Do not smoke, eat or drink while handling.
Procedure/ Equipment:	None

9. Exposure Controls /Personal Protection

Use of the following protective measures are strongly recommended if the glazes are to be applied by spraying.

The work hygiene practices apply regardless of the method of application.

Respiratory Protection:	Use NIOSH approved dust and/or fume respirator as necessary.
--------------------------------	--



Ventilation:	Local exhaust for spraying.
Protective gloves:	N/A
Eye Protection:	N/A
Other Protection:	Wear appropriate, clean, protective clothing such as, but not limited to overalls, smocks and aprons.
Work Practices:	Food, beverages and smoking materials should not be in the work area. Hygiene is very important. Wash thoroughly before eating, drinking and smoking or applying cosmetics.

10. Stability & Reactivity Data

Incompatibility:	N/A
Stability:	Stable.
Hazardous decomposition:	N/A
Hazardous polymerisation:	N/A
Conditions to avoid:	Fumes from firing.

11. Toxicological Information

Hazard to Humans:	None during normal use. Harmful if inhaled or swallowed.
This product contains chemicals known to cause cancer.	
Health Hazards (acute and chronic):	Prolonged inhalation of silica, in excess of TLV, over an extended period of time may result in injury to the lungs.
Additional Information:	Frits are fused silica glass like substances. The bioavailability may be limited because of the physical nature of the frit.
Primary routes of entry:	Inhalation of metal fumes during firing causing lung inflammation and damage to kidneys and nervous system. Ingestion may cause nausea. Eye contact is irritating and may cause conjunctivitis.

12. Ecological Information

Mobility:	N/A
Persistence/Degradability:	N/A
Bioaccumulation:	N/A
Ecotoxicity:	N/A



13. Disposal Considerations

Waste Disposal Method:	Follow Federal, State or Local regulations for disposal. Testing of waste may be required to determine status under hazardous waste regulations.
Waste residue/unused product:	Can be land filled according to local regulations.
Contaminated packaging:	Can be land filled according to local regulations.

14. Transport Information

Not regulated. Not dangerous cargo, not restricted by air.

UN Number: N/A

15. Regulatory Information

EEC Marketing and labelling hazard symbol:	None for Frit.	
R Phrases	R20/22	Harmful by inhalation and if swallowed.
S Phrases	S20/21	When using do not eat, drink or smoke.
	S22	Do not breathe dust or spray.
	S24/25	Avoid contact with skin or eyes.
	S38	In case of insufficient ventilation wear suitable respiratory equipment.
WHMIS Status:	Not controlled.	

16. Other Information

This information is provided without warranty, representation, inducement or license of any kind, except that it is accurate to the best knowledge of Clayman Supplies Limited or obtained from sources believed to be accurate.

Clayman Supplies Limited does not assume any legal responsibility for us or reliance on same. Customers are encouraged to conduct their own tests before using any product. Read the product label.