Cromartie Hobbycraft Limited

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MATERIAL SAFETY DATA SHEET

1. Identification of the preparation/Supplier reference

Trade Name **Gare glaze GG1700**

Chemical name	Mixture of chemicals
Synonyms	None
Supplier	Cromartie Hobbycraft Ltd
Emergency numbers	01782 313947 / 01782 319425 enquiries@cromartie.co.uk

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2. Composition

Component	CAS	EINECS	% of composition
Frit*	65997-18-4	2660476	<90%
Lead compounds			up to 28% (as Pb)
Barium compounds			up to 5% (as BaO)

Threshold for toxic classification under CHIP is 0.5% Pb, refer to section 15

* Frits are produced from the chemical reactions that occur during the high temperature smelting of various raw materials to form glass. This glass is rapidly cooled and then ground to produce powdered frit. The lead listed for this product is incorporated into the glass structure of the frit, chemically reacted in the form of silicates or other essentially insoluble complexes. Exposure to hazardous ingredients can occur if spray mist is inhaled or glaze ingested and the ingredient dissolved out of the glass. Because of the chemical stability of the frit and its resistance to attack by acid or alkali, this is anticipated to occur very slowly.

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3. Health Hazard Identification

Inhalation	Excessive exposure may cause symptoms of chronic lung disease and lead poisoning
Ingestion	The product is of low solubility in body fluids and it is likely to be of low toxicity
Eyes	May cause physical irritation and inflammation
Skin	The material is not a primary irritant, but as with any abrasive powder it may give rise to minor irritation

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4. First Aid Measures

Inhalation	Remove patient to fresh air, loosen tight clothing and seek medical attention
Ingestion	Do not induce vomiting, seek medical advice
Eyes	Wash immediately with copious amounts of water
Skin	Wash affected areas with water

5. Fire Fighting Measures

Extinguishing Media	Suitable for surrounding fire conditions
Special Exposure hazard	In the event of a fire the product may emit harmful or toxic fumes
Personal protective equipment	Self contained breathing apparatus

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6. Accidental Release Measures

Leaks & Spills	Use suitable vacuum equipment where reasonably practicable, otherwise damp down and scoop into a receptacle
Personal protective equipment	Respiratory protective equipment

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7. Handling & Storage

Handling	Do not eat, drink, or smoke in areas where the material is used. Wash thoroughly after handling the material
Storage	Store in dry area

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8. Exposure Control/Personal protective Equipment

Engineering controls	Adequate ventilation should be provided so that Occupational Exposure Limits are not exceeded. Local Exhaust Ventilation is normally recommended.
Personal protective equipment	Where LEV is not practicable and exposure is likely to be excessive, approved respiratory protection to CEN standards prEN 140, 141, 143 or 149 should be worn. Protective gloves and overalls are recommended for prolonged contact.

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9. Physical & Chemical properties

Appearance & Odour	Coloured fluid, odourless
Flash point (ºC)	Not applicable
Flammability	Not applicable
Explosive properties	Non-explosive
Oxidising properties	None
Specific gravity	1.7
pH value	insoluble in water
Melting point (ºC)	982º C

10. Stability & Reactivity

Chemical stability	The material is stable
Conditions/materials to avoid	None known
Hazardous decomposition products	None known
Hazardous polymerization products	None

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11. Toxicology Information

Acute toxicology	LD50	Oral	>2000mg/kg
	LD50	dermal	not known
	LD50	inhalation	not known
Health effects	Prolonged or repeated exposure above Occupational Exposure Standards may cause lead to accumulate in the body, in serious cases this may cause anaemia and damage to the kidneys and nervous system. Lead in the blood of pregnant women may affect the development of the unborn child. Persons exposed to lead compounds should have regular health checks which include lead in the blood monitoring		

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12. Ecological information

Ecotoxicity	Not known
Persistence	Not known

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13. Disposal

Dispose in accordance with current waste Disposal regulations (for UK - Control of Pollution (Special Waste) Regulations 1980). Landfill is the most appropriate method.

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14. Transport Information

UN/SI No.		Not classified
UN Class		Not classified
Packing group		Not classified
Road	UK	Not classified
	ADR	Not classified
Sea	IMO	Not classified
Air		Not classified

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15. Regulatory information

EC Supply labelling	Toxic		
R-Phrases	R20/22	harmful by inhalation and if swallowed	
	R33	danger of cumulative effect	
	R61	may cause harm to the unborn child	
S-Phrases	S13	keep away from food, drink and animal feeding stuff	
	S20/21	when using do not eat, drink or smoke	
	S22/23	do not breathe dust or spray	
UK Occupational exposures limits*	Mg/m^3 8 hr TWA		% in product
Lead compounds (as Pb)	0.15		14
Barium compounds	--		2.5

* refer to HSE Guidance note EH40

In accordance with HSE Approved Code of Practice for CHIP, the recipient is reminded of their obligations under both the Health and Safety at Work Act (HSWA) and the Control of Substances Hazardous to Health Regulations (COSHH), and that the information in any safety data sheet does not constitutes the user's assessment of workplace risk

16. Other information

Please note the American Material Safety Data Sheet this sheet is derived from is available on request from Gare Inc. Haverhill Mass.USA.

References

COSHH ACOP	HSC approved Code of Practice for the Control of Substances Hazardous to Health Regulations 1994
CHIP 96	Chemicals (Hazard Information and Packaging for Supply) Regulations 1996
CHIP SDS ACOPS	HSC Approved Code of Practice for Safety data Sheets in accordance with regulation 6 of the CHIP regulations
HSE EH40	HSE Guidance note EH40 on Occupational Exposure Limits to be used in conjunction with the COSH regulations

Footnote

LIABILITY

Such information is the best of Cromartie Hobbycraft Ltd' s knowledge and belief accurate at the date of publication, which is the date generated automatically on the day of printing of this document. However, no representation, warranty of guarantee is made as to its accuracy, reliability of completeness. It is the user's responsibility to satisfy itself as to the suitability and completeness of such information for their own particular use.

THIRD PARTY MATERIALS

Insofar as materials not manufactured or supplied by Cromartie Hobbycraft Ltd are used in conjunction with, or instead of Cromartie Hobbycraft Ltd materials, it is the responsibility of the customer itself to obtain from the manufacturer or supplier all technical data and other properties relating to these and other materials and to obtain all necessary information relating to them. No liability can be accepted in respect of the use of Cromartie Hobbycraft Ltd materials in conjunctions with other materials.

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17. National Legislation

UK Legislation

SI1993/1746 Chemicals (Hazard Information and Packaging) Regulations 1993
Environmental Protection (Duty of Care) regulations 1992 SI 2839
Carriage of Dangerous goods by Road and Rail Regulations 1994
Control of pollution Act 1974
Environmental Protection Act 1990
Highly Flammable Liquids and Petroleum Spirit Regulations 1972
EH40 Occupational Exposure Limits
SI1988/1657 The Control of Substances Hazardous to Health Regulations
Note - This is not an exhaustive list and users should satisfy themselves that they comply with all relevant National Regulations

Important notes

Design CHIP-002

The material must only be used for its stated purpose and the information contained within this data sheet is offered solely for use in the evaluation of this product in respect of safety, health and environmental hazards.

Further reference can be made to our standard terms and conditions of sale, a copy of which is available on request.

PLEASE ASK FOR A COPY OF OUR NOTES ON LABELLING LEAD GLAZES.