

Bath Potters' Supplies

MATERIAL SAFETY DATA SHEET

1. Identification of the preparation/Supplier reference

Trade Name **Lead Sequisilicate Frit - 231030**
Chemical name Frit.
Synonyms None.
Supplier Bath Potters Supplies, Unit 18, Fourth Avenue, Westfield Trading Estate,
 Radstock, Nr. Bath. BA3 4XE
Emergency numbers Tel: 01761 411077
 Fax: 01761 414115
 Internet: coshh@bathpotters.demon.co.uk

2. Composition

Component	CAS	EINECS	% of composition
Frits, chemicals	65997-18-4	2660476	100

3. Health Hazard Identification

Inhalation Excessive exposure may cause chronic lung disease and lead poisoning.
Ingestion Product of low solubility in body fluids and likely to be of low acute toxicity.
Eyes May cause physical irritation and inflammation.
Skin Not a primary irritant. Any abrasive powder may give minor irritation.

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. Seek medical attention if
 irritation persists.
Skin Wash affected areas with water. If irritation persists, seek medical attention

5. Fire Fighting Measures

Extinguishing Media Suitable for surrounding fire conditions.
 The product is not explosive or combustible. Standard fire fighting
 techniques only are required, i.e. water, sand, carbon dioxide, chemical
 foam extinguishers etc.
Special Exposure hazard In the event of fire the product may emit harmful or toxic fumes.
Protective equipment Self-contained breathing apparatus.

6. Accidental Release Measures

Leaks & Spills Remove dry materials either by a vacuum cleaner fitted with an efficient
 particulate filter or by damping down and scooping in to a receptacle.
Protective equipment Respiratory protective equipment.

7. Handling & Storage

Handling Do not eat, drink, or smoke in areas where the material is used. Wash thoroughly
 after handling the material
 Local exhaust ventilation is recommended to comply with occupational exposure
 limits (refer to Guidance Note EH40 - latest edition)
Storage Store in dry area

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 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.

9. Physical & Chemical properties

Appearance & Odour	White powder, odourless
Flash point (°C)	Not applicable
Flammability	Not applicable
Explosive properties	Non-explosive
Oxidising properties	None
Specific gravity	3-5
pH value	7 (Insoluble in water)
Melting point (°C)	Not available

10. Stability & Reactivity

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

11. Toxicology Information

Acute toxicology	LD ₅₀ Oral	Not known
	LD ₅₀ Dermal	Not known
	LD ₅₀ 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 central nervous system. Lead in the blood stream of pregnant women may affect the unborn child. Persons exposed to lead compounds should have regular health checks which should include lead in blood monitoring,	

12. Ecological information

Ecotoxicity	Not known.
Persistence	Chemically stable and will persist in the environment.

13. Disposal

Dispose in accordance with current waste Disposal regulations (for UK - Control of Pollution (Special Waste) Regulations 1996). Landfill is the most appropriate method.

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	ICAO	Not classified

15. Regulatory information

EC Supply Labelling	Toxic T (in accordance with CHIP 2)	
R-Phrases	R20/22	Harmful by inhalation and if swallowed.
	R33	Danger of cumulative effects.
	R61	May cause harm to the unborn child.
S-Phrases	S13	Keep away from food, drink and animal feeding stuffs.
	S20/21	When using do not eat, drink or smoke.
	S22/23	Do not breath dust or fumes/spray
UK Occupational exposures limits*	Mg/m ³ 8 hr TWA	% in product
Lead compounds (as Pb)	0.15	63%

* refer to HSE Guidance note EH40

All products containing lead compounds are subject to the Control of Lead at Work Regulations 1980, via the H.S.C. Approved Code of Practice 1985.

In accordance with the H.S.E. 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 constitute the user's assessment of workplace risk.

16. Other information

General industrial hygiene practices are recommended when handling and using this product.

COSHH ACOP:	H.S.C. 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 ACOP:	H.S.C. 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 COSHH regulations.

The information contained in this safety data sheet has been prepared using the best available information. However, in view of technical developments this may alter.

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.

Due to the many factors outside our control when using this product we cannot accept liability for any injury, accident, loss or damage caused through its use.

April 1999-09-07