

Bath Potters' Supplies

MATERIAL SAFETY DATA SHEET

1. Identification of the preparation/Supplier reference

Trade Name **Lead Bisilicate**
Chemical name None
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 : The product is of low solubility in body fluids and it is likely to be of low acute 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

4. First Aid Measures

Inhalation Remove patient to fresh air, loosen 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 fire, the product may emit harmful or toxic flumes
Protective equipment Self-contained breathing apparatus.

6. Accidental Release Measures

Leaks & Spills Use suitable vacuum equipment where reasonably practicable, otherwise damp down and scoop into 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
Storage Store in a 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 preferable to personal protection
Personal protective equipment	Where necessary, suitable personal protection should be used (e.g. overalls, gloves, mask).

9. Physical & Chemical properties

Appearance & Odour	White crystal, 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	>2000 mg/kg
	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 of pregnant women may affect the development of 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	The product is 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 restricted
UN Class		Not restricted
Packing group		Not restricted
Road	UK	Not restricted
	ADR	Not restricted
Sea	IMO	Not restricted
Air	ICAO	Not restricted

15. Regulatory information

EC Supply Labelling	Toxic T	
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	58

* Refer to HSE Guidance note EH40

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.

August 2000-08-18