

Clays, Glazes, Kilns, Materials and Equipment for Craft and Industrial Ceramics.

MATERIAL SAFETY DATA SHEET

Release Date: 19/07/2007

1 Identification of the preparation/Supplier reference 2242, 2246LS Low Solubility White Opaque Glaze

Supplier: Potclays Limited, Brickkiln Lane, Stoke on Trent, ST4 7BP  
Emergency Numbers: +44 (0)1782 219816  
[sales@potclays.co.uk](mailto:sales@potclays.co.uk)

---

2 Composition

	CAS	EINECS	%
Ceramic Frit	65997-17-3	266-047-6	100%

---

3 Health Hazard Identification

Inhalation: Prolonged or repeated exposure may cause accumulation of lead in the body.  
Ingestion: Prolonged or repeated exposure may cause accumulation of lead in the body.  
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.

Lead in the blood of pregnant women may affect the development of the unborn child. We would recommend that persons exposed to lead compounds should have regular health checks including the monitoring of lead in the blood.

---

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: None.  
Personal Protective Equip: None other than required for surrounding fire conditions.

---

## 6 Accidental Release Measures

Leaks and Spills: Use suitable vacuum equipment where reasonably practicable.  
Personal Protective Equip: Respiratory protective equipment.

---

## 7 Handling and 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.

---

## 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 Equip: 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 and Chemical Properties

Appearance and Odour: White Powder. Odourless  
Flash Point (°C): Not applicable.  
Flammability: Not applicable.  
Explosive Properties: Non-explosive.  
Oxidising Properties: None  
Specific Gravity: Variable  
pH Value: Not applicable.  
Melting Point (°C): >500°C

---

## 10 Stability and Reactivity

Chemical Stability: The material is stable.  
Conditions/materials to avoid: None known.  
Hazardous Decomposition Products: None known.  
Hazardous Polymerization Products: None.

---

## 11 Toxicology Information

Acute Toxicology: LD50 Oral: Not known  
LD50 Dermal: Not known  
LD50 Inhalation: Not known  
Health Effects: Danger of cumulative effects.

---

## 12 Ecological Information

Ecotoxicity: None  
Persistence: The material 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 1980). 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

Refer to HSE Guidance Note EH40

EC Supply Labelling: Harmful - Contains Lead  
R-Phrases: R20/22 Harmful by inhalation and if swallowed  
R33 Danger of cumulative effects  
R61 May cause harm to the unborn child  
R62 Possible risk of impaired fertility  
S-Phrases: S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label)  
S53 Avoid exposure - obtain special instruction before use  
C3 Contains Lead  
C5 Restricted to professional users

Maximum Exposure Limits:	mg/m <sup>3</sup>	8 hr TWA	% in product
Total Inhalable Dust	10		Not known
Total Respirable Dust	5		Not known

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 constitute the user's assessment of workplace risk.

---

## 16 Other Information

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 COSHH regulations.

---

## 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 Control of Substances Hazardous to Health Regulations.

This is not an exhaustive list and users should satisfy themselves that they comply with all relevant National Regulations.

---

### LIABILITY

Such information given in this data sheet is, to the best of Potclays Limited's knowledge and belief, accurate at the time of publication (see release date). However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for their own particular use. All materials are supplied strictly for Professional Use Only.

Insofar as materials not manufactured or supplied by Potclays Limited are used in conjunction with, or instead of Potclays Limited materials, it is the responsibility of the customer themselves 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 Potclays Limited materials in conjunction with other materials.