

# Bath Potters' Supplies

## MATERIAL SAFETY DATA SHEET

### 1. Identification of the preparation/Supplier reference

Trade Name                    **Potterycrafts ceramic body in a powder form. (See summary at document end.)**

Chemical name                Powdered clay

Synonyms                      Also known as fireclay

Supplier                        Bath Potters' Supplies, 2 Dorset Close, Bath, BA2 3RF

Emergency numbers         01225 337046

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### 2. Composition

Component	CAS	EINECS	% of composition
Mixture of clay minerals and ground ceramic fluxes.			Major component.
Water			Typically 5% or less (dry weight)
Crystalline silica (quartz and/or cristobalite)	14808-60-7	2388784	35 - 50% (dry weight)

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### 3. Health Hazard Identification

Inhalation                    Excessive exposure to dust may cause symptoms of chronic lung disease and impaired pulmonary function

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.

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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. Rinse mouth with water and give 200-300ml (1/2 pint) of water to drink (provided patient is conscious), seek medical advice.

Eyes                            Wash immediately with copious amounts of water for 15 minutes. Seek medical attention if irritation persists.

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

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### 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    None.

Protective equipment        None other than required for surrounding fire conditions.

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### 6. Accidental Release Measures

Leaks & Spills                Remove dry materials either by a vacuum cleaner fitted with a specific P3 particulate filter, or by damping down and scooping in to a receptacle.  
Small spillages may be washed into drains with plenty of water (provided effluent consent conditions are complied with).

Protective equipment        Respiratory protective equipment required for material in a dry state.

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## 7. Handling & Storage

Handling	Do not eat, drink, or smoke in areas where the material is used. Wash hands/skin thoroughly after handling. Local exhaust ventilation is recommended to comply with occupational exposure limits (refer to Guidance Note EH40 - latest edition)
Storage	Store in sealed packaging (e.g. as supplied) in normal dry conditions.

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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 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 which do not retain dust are recommended for prolonged contact. Safety glasses or goggles (to BS2092) recommended if contact with eyes is possible.

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## 9. Physical & Chemical properties

Appearance & Odour	Off-white, grey or light brown (dependent on type) odourless powder
Flash point (°C)	Not applicable
Flammability	Not applicable
Explosive properties	Non-explosive
Oxidising properties	Non-oxidising
Specific gravity	Ca. 2.6 (dry product)
pH value	Not available
Melting point (°C)	Greater than 1000°C (dry product)

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## 10. Stability & Reactivity

Chemical stability	The material is stable
Conditions/materials to avoid	Contact with moisture will hydrate and degrade product.
Hazardous decomposition products	None known
Hazardous polymerisation products	None known

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## 11. Toxicology Information

Acute toxicology	LD <sub>50</sub> Oral	Not known
	LD <sub>50</sub> Dermal	Not known
	LD <sub>50</sub> Inhalation	Not known
Health effects	Prolonged or repeated inhalation of dry dust (crystalline silica) above Occupational Exposure Standards, may result in chronic lung damage (silicosis).	

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## 12. Ecological information

Ecotoxicity	Not known.
Persistence	Products are essentially insoluble in water

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## 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. Small amounts may be washed into trade effluent drains, provided effluent conditions are complied with.

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#### 14. Transport Information

UN/SI No.		None
UN Class		Not classified
Packing group		Not classified
Road	UK	Not classified
ADR		Not classified
Sea	IMO	Not classified
Air	ICAO	Not classified

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#### 15. Regulatory information

EC Supply Labelling	Harmful X <sub>n</sub>	
R-Phrases	R20	Harmful by inhalation.
	R48	Danger of serious damage to health by prolonged exposure.
S-Phrases	S20/21	When using do not eat, drink or smoke.
	S22/23	Do not breath dust or fumes/spray
	S38	In case of insufficient ventilation wear suitable respiratory equipment.
UK Occupational exposures limits*	Mg/m <sup>3</sup> 8 hr TWA	% in product
Crystalline silica: dust	0.3 inhalable	30%
	0.1 respirable	10%

\* 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.

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#### 16. Other information

P1222, P1312, P1402, P1512.  
P1242 - White earthenware.  
Powdered fireclay P3318.

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.

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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.

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