

## MATERIAL SAFETY DATA SHEET

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

Trade Name: Ceramic body in a powder form.

Chemical name Powdered clay

Synonyms Also known as fireclay

Supplier : Bath Potters' Supplies, Unit 18, Fourth Avenue, Westfield Trading Estate,  
Radstock, Nr Bath

BA3 4XE 4XE,

Emergency Telephone Number : 01761 411077

Fax : 01761 414115

email: sales@bathpotters.co.uk

### 2. Composition

Component CAS EINECS % of composition

Kaolinite N/A N/A 54 - 62%

Micaceous mineral N/A N/A 22 - 26%

Crystalline silica (quartz) 14808-60-7 2388784 8 - 12%

Carbonaceous material N/A N/A 2 - 3%

### 3. Health Hazard Identification

Inhalation In the short term clay dust causes irritation of the respiratory tract, however due to the variable

level of quartz in the product, 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 Clays are desiccants and prolonged exposure may cause physical irritation and inflammation.

Skin Not a primary irritant, but as with the eyes, any abrasive powder may give rise to irritation.

### 4. First Aid Measures

Inhalation Remove patient to fresh air, loosen tight clothing and seek medical attention if the volume of

dust was great, or if ill-effects develop.

Ingestion Do not induce vomiting. Rinse mouth with water (provided patient is conscious), and seek

medical advice if any ill-effects develop.

Eyes Wash with copious amounts of water and 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 None.

Protective equipment None other than required for surrounding fire conditions.

## 6. Accidental Release Measures

Leaks & Spills:

Clay/water mixtures can be sticky and slippery. Where such a mixture wholly or partly covers a surface used for vehicular or personnel movements, a risk of skidding, slipping or falling exists. 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 the handling of the material in a dry state.

## 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.

## 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. Good-housekeeping practices should be followed to prevent roads, walkways, etc., becoming coated with clay/water mixtures, and to keep the ambient dust level low.

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.

## 9. Physical & Chemical properties

Appearance & Odour

Off-white finely ground odourless powder

Flash point (°C) Not applicable

Flammability Not applicable

Explosive properties Non-explosive

Oxidising properties Non-oxidising

Specific gravity 2.5 - 2.6

pH value 5.2

Melting point (°C) Decomposition above 300°C, residual products of the decomposition melt above 1600°C

## 10. Stability & Reactivity

### Chemical stability

The material is stable

Conditions/materials to avoid Contact with moisture will hydrate and degrade the dry form of the product.

Hazardous decomposition products None known

Hazardous polymerisation products None known

## 11. Toxicology Information

Acute toxicology LD50 Oral Not known

LD50 Dermal Not known

LD50 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).

## 12. Ecological information

### Ecotoxicity

Chemically inert, and does not react readily with most common substances at room temperatures and pressures.

Persistence Product is soluble in water

## 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.

## 14. Transport Information

UN/ST No.

None

UN Class Not classified

Packing group Not classified  
Road UK  
ADR  
Not classified  
Not classified  
Sea IMO Not classified  
Air ICAO Not classified

## 15. Regulatory information

### EC Supply Labelling

None required by directive 88/379/EEC  
R-Phrases None required  
S-Phrases Optional safety 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\*  
Kaolinite - inhalable  
- respirable  
Micaceous mineral - inhalable  
- respirable  
Quartz - inhalable  
- respirable

### Mg/m<sup>3</sup> 8 hr TWA % in product

10 54 - 62%  
5 ditto  
10 22 - 26%  
1 ditto  
0.3 8 - 10%  
0.1 ditto

\* 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

## 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

October 2015