

Bath Potters' Supplies

MATERIAL SAFETY DATA SHEET

1. Identification of the preparation/Supplier reference

Trade Name **Ball Clay - Puraflo HV**
Chemical name
Synonyms HVAR
Supplier Bath Potters Supplies, Unit 18, Fourth Avenue,
Westfield Trading Estate, Radstock, Nr. Bath. BA3
Emergency numbers 4XE Tel: 01761 411077 E:mail:
sales@bathpotters.co.uk

2. Composition

'Ball Clay' does not appear in EINECS as an individual entry but is classified as 'naturally occurring substance' with the EINECS number 3101276.

'Clay' appears on the TSCA Chemical Substance inventory.

'Kaolinite' appears in the CAS directory ;and has the CAS number 1332-58-7

<u>Composition/Information</u>	SiO ₂	TiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	MgO	K ₂ O	Na ₂ O	Loss	
<u>For Dangerous components</u>	60.9	1.5	26.0	0.9	0.1	0.3	2.6	0.4	7.2	
							%w/w			
	Kaolinite						36 – 42			
	Micaceous mineral						25 – 29			
	Quartz						23 – 27			
	Carbonaceous material						<1			

3. Health Hazard Identification

Inhalation Excessive exposure to any dusty residue may cause irritation of the respiratory tract and mucous membranes, and cause symptoms of chronic lung disease.
Ingestion The product is of low solubility in body fluids and likely to be of low acute toxicity.
Eyes May cause physical irritation and inflammation.
Skin The product is classed as a minor irritant, but as with any abrasive powder it may cause minor irritation and/or sensitisation.
China clay is of low acute toxicity but does contain free quartz. Ensure that atmospheric dust levels are maintained such that the amount of respirable quartz in the atmosphere is <0.3 mg/m³.
Long term exposure to excessive levels of any mineral dust can lead to respiratory problems

4. First Aid Measures

Inhalation Remove patient to fresh air, loosen tight clothing and seek medical advice if irritation persists.
Ingestion No treatment necessary
Eyes Irrigate immediately with copious amounts of water for 15 minutes, paying particular attention to under the eyelid. Seek medical attention if irritation persists.
Skin wash affected areas with soap and water. If irritation persists, seek medical attention

5. Fire Fighting Measures

Extinguishing Media None required
Special Exposure hazard None
Protective equipment None other than required for surrounding fire conditions

6. Accidental Release Measures

Leaks & Spills	Remove dry materials by a vacuum cleaner fitted with an efficient 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). Avoid excessive use of water as slipping hazard could be created
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 a sealed container 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 normally 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. Provide eye wash facilities.

9. Physical & Chemical properties

Appearance & Odour	Grey powder
Flash point (°C)	Not applicable
Flammability	Not applicable
Explosive properties	Non-explosive
Oxidising properties	None
Specific gravity	
pH value	
Melting point (°C)	

10. Stability & Reactivity

Chemical stability	The material is stable in normal atmospheric conditions.
Conditions/materials to avoid	Contact with moisture will hydrate the product.
Hazardous decomposition products	None known
Hazardous polymerisation products	None known

11. Toxicology Information

Acute toxicology	Ball Clays are regarded as non-toxic
Health effects	Prolonged or repeated exposure to any dust, above Occupational Exposure Standards, may cause fibrosis of the lungs.

12. Ecological information

Ecotoxicity	Chemically inert, and does not react readily with most common substances at room temperatures and pressures.
Persistence	The product is essentially insoluble in water and is not expected to present a hazard.

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. Small amounts may be washed into drains with plenty of water, but observe local effluent control limits.

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	None required by directive 88/379/EEC, and subsequent amendments.	
R-Phrases	None	
S-Phrases	Optional for dusty powders: S20/21 When using do not eat, drink or smoke. S22/23 Do not breath dust S38 In case of insufficient ventilation wear suitable respiratory equipment.	
UK Occupational exposures limits*	Mg/m ³ 8 hr TWA	% in product
Dusts: Total inhalable	10	
respirable	5	

* 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.