

Bath Potters' Supplies

MATERIAL SAFETY DATA SHEET

1. Identification of the preparation/Supplier reference

Trade Name **Bone Ash**
Chemical name Residue of calcined animal bones, consists mainly of calcium phosphate
Synonyms
Supplier Bath Potters' Supplies, 2 Dorset Close, Bath, BA2 3RF
Emergency numbers 01225 337046

2. Composition

Component	CAS	EINECS	% of composition
Bone Ash (Calcium Phosphate)			

3. Health Hazard Identification

Inhalation Excessive exposure may cause irritation and/or sensitisation in the respiratory tract and mucous membranes, and cause the symptoms of chronic lung disease.
Ingestion The product is of low solubility in body fluids and likely to be of low acute toxicity. However, the alkaline content may cause particular irritation of the Gastro-Intestinal tract.
Eyes May cause physical irritation and inflammation.
Skin Not a primary irritant but contains some residual alkaline material and therefore may give rise to skin irritation and/or sensitisation.

4. First Aid Measures

Inhalation Remove patient to fresh air and loosen tight clothing. Seek medical advice if irritation persists.
Ingestion Do not induce vomiting, wash mouth out with copious amounts of water and seek medical advice if irritation persists, or if ingestion was particularly large.
Eyes Wash immediately with copious amounts of water, paying particular attention to under the eyelid. Seek medical attention if irritation persists.
Skin Remove contaminated clothing and wash affected areas with soap and 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 Remove dry materials either by a vacuum cleaner fitted with an efficient filter or by damping down and scooping in to 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. Local exhaust ventilation is recommended to comply with occupational exposure limits (refer to Guidance Note EH40 - latest edition)
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 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 are recommended for prolonged contact.

9. Physical & Chemical properties

Appearance & Odour	Grey/white powder, odourless
Flash point (°C)	Not applicable
Flammability	Not applicable
Explosive properties	Non-explosive
Oxidising properties	None
Specific gravity	3.2
pH value	(insoluble in water)
Melting point (°C)	>1300°C

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	Not known
	LD ₅₀ Dermal	Not known
	LD ₅₀ Inhalation	Not known
Health effects	As with any dust, prolonged or repeated exposure 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	Product is insoluble in water.

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 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	
R-Phrases	None	
S-Phrases	Optional for dusty powders: S20/21 When using do not eat, drink or smoke. 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.

August 2000-08-18