



SAFETY DATA SHEET

1450

BONE CHINA CASTING SLIP

1. Identification of substance/preparation and of the company undertaking

Product:	1450 – Bone China Casting Slip
Company Supplying:	As above

2. Composition /information on ingredients

Component	CAS	EINECS	% of composition
'Low toxicity dust' (e.g. feldspathic and ceramic materials, clays) Crystalline silica, quartz	14808-60-7	-	major component <50%

Products may include trace amounts of organic identification dyestuffs

3. Hazards Identification

As supplied in the pugged or press-cake form, the products do not present a significant health hazard. If the product is allowed to dry, any powder product generated is hazardous to health by inhalation. Excessive and repeated inhalation of quartz over a prolonged period can cause chronic lung damage. The product in plastic form is not classified as dangerous for labelling purposes (UK Reg.).

Inhalation	Excessive exposure may cause symptoms of chronic lung disease.
Ingestion	The product is of low solubility in body fluids and it is likely to be of low acute toxicity.
Eyes	May cause physical irritation and inflammation.
Skin	

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 (half a pint) of water to drink, provided the patient is conscious.
Eyes	Wash immediately with copious amounts of water for 15 minutes and seek medical advice.
Skin	Remove contaminated clothing. Wash affected areas with soap and water. Seek medical advice if irritation persists.



5. Fire Fighting Hazards

The product is not combustible or explosive. It is compatible with all standard fire-fighting techniques (e.g. use of water, carbon dioxide, dry powder, sand and chemical foam extinguishers)

Extinguishing Media

Special Exposure Hazard

Personal protective equipment

6. Accidental Release Measure

Leaks & Spills

Place waste in suitable container prior to disposal.
Small spillage may be washed to drains with plenty of water, provided effluent conditions are complied with. Refer further to section 7 and 13.

Personal 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. If during processing exposure to dust can occur the use of local exhaust ventilation is the recommended means of complying with Occupational Exposure Limited. Refer further to section 8.

Storage

Store in sealed packaging (e.g. as supplied) in normal, dry conditions to ensure loss of moisture is minimised.

8. Exposure Control/Personal Protection

Engineering controls

Adequate ventilation should be provided so that Occupation Exposure Limits are not exceeded. Local Exhaust Ventilation is normally recommended. Refer to the latest edition of HSE Guidance note EH40.

Personal protective equipment

Respiratory protection
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.
Hand/skin protection
Protective gloves and overalls which do not retain dust are recommended for prolonged contact.
Eye protection
Safety glasses or goggles to BS2092 are recommended if contact with eyes is otherwise possible.



9. Physical & Chemical Properties

Appearance	Plastic solid
Odour	Odourless
pH	Not available
Melting point (°C)	Greater than 1000°C (dry product)
Specific gravity (20°C)	Ca.2.6 (dry product)
Explosive properties	Non-explosive
Oxidising properties	Non-oxidising
Solubility in water	Negligible (dry product)

10. Stability & Reactivity

Chemical stability	Stable under normal conditions, except that loss of moisture will occur on exposure to atmosphere
Conditions/materials to avoid	None under foreseeable circumstance
Hazardous decomposition products	
Hazardous polymerization products	Will not occur

11. Toxicological Information

Acute toxicology	No specific test data available
Health effects	Chronic lung damage (silicosis) may result from repeated, excessive inhalation of crystalline silica.

12. Ecological Information

Ecotoxicity	No specific data available
Persistence	Products are essentially insoluble in water

13. Disposal Considerations

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 to trade effluent drains provided effluent conditions are complied with



14. Transport Information

UN/SI No.		Not classified
UN Class		Not classified
Packing group		Not classified
Road	UK ADR	Not classified Not classified
Sea	INO	
Sea	ICAO	Not classified

15. Regulatory Information

EC Supply Labelling	Chemicals (Hazard Information and Packaging) regulations (CHIP) SI1993 No. 1746 Harmful Xn		
R Phrases	R20	Harmful by inhalation	
	R33	Danger of cumulative effects	
	R48	Danger of serious damage to health by prolonged exposure	
S Phrases	S22/23	Do not breath dust or spray	
UK Occupational exposures limits (Refer to HSE Guidance note EH40)	Mg/m ³	8 hr TWA	% in product
MEL	0.3		

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.



BS2092 specifications for industrial eye protectors

HSE/HMSO publications

Guidance note EH44

Guidance booklet HS(G) 37

Guidance booklet HS(G) 53

dust in the workplace – general principles of protection

An introduction to Local exhaust Ventilation

Respiratory protective equipment – a practical guide for user