



SAFETY DATA SHEET

5414

HF PORCELAIN

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

Trade Name	Powder clay
Chemical Name	Powder clay
Synonyms	None

2. Composition /information on ingredients

Component	CAS	EINECS	MEL (Maximum Exposure Limit)
Kaolin	1332-58-7	310-127-6	2.0mg/m ³ in a TWA 8hr reference period (for respirable kaolin)
Quartz	14808-60-7	238-878-4	0.3 mg/m ³ in a TWA 8hr reference period (for respirable silica dust)

Powdered clays may contain up to 30% by weight of crystalline silica. A proportion of this may become available in the respirable fraction.

3. Hazards Identification

Powdered clay is of a low acute toxicity.

Long term exposure to any respirable mineral dust could cause effects to the respiratory system.

Eye Contact	Airborne dust may cause irritation to the eyes.
Wet clay spillage may constitute a slipping hazard.	

4. First Aid Measures

Inhalation of dust	Remove patient to fresh air. If any symptoms develop seek medical aid.
Ingestion	Rinse mouth out with water. Give affected person large volumes of water to drink. Do not induce vomiting.
Eyes	Flush with clean water.
Skin	Wash with soap and water.



5. Fire Fighting Hazards

The product is not explosive or combustible. Standard fire fighting techniques only are required.

6. Accidental Release Measure

Collect dry powder using a vacuum cleaner or other means where dust is not generated. Mix slurry with dry, inert, absorbent solid and collect for disposal. Do not discharge slurry to a water course, or drains.

7. Handling & Storage

Handling	Appropriate controls should be used to avoid generating dust when handling products.
Storage	Powders should be stored in a dry covered area.

8. Exposure Control/Personal Protection

Respiratory protection	Use appropriate engineering controls to avoid dust generation when handling powders. Ensure that all occupational exposure standards are observed.
Skin protection	Substance may have a drying and/or abrasive effect on the skin. Maintain good standards of industrial hygiene.
Eye protection	Eyewash should be available, but eye protection is unlikely to be required.

9. Physical & Chemical Properties

Appearance and Odour	White or light grey powder, none
Flammability	Non flammable
Explosive properties	Non-explosive
Oxidising properties	Non-oxidising
Specific gravity	2.6
Melting point (°C)	Not applicable. Substance changes chemical structure above 1200°C.
Solubility	Insoluble

10. Stability & Reactivity

Stable and non-reactive



11. Toxicological Information

Inhalation of dust	The product has no determined acute toxic effects. Exposures to it as dust should be kept below the OES at which no effects on chest health would be expected. No known significant sensitisation, carcinogenic, mutagenic or teratogenic effects.
Skin Contact	No determined toxicological effects.
Ingestion	No determined toxicological effects.

12. Ecological Information

Environmental Statement	The product is persistent and non-biodegradable but is unlikely to have any long-term effects in the environment.
Mobility	Solid. Involatile. Insoluble in water.
Degradability	Non-biodegradable. Persistent.
Accumulation	No bio-accumulation or bio-magnification identified.
Ecotoxicity	The product is non-toxic to fish, daphnia and aquatic algae, soil organisms and plants/animals.

13. Disposal Considerations

The product can be disposed of as non-toxic/inactive material in approved land-fill sites in accordance with local regulations.

14. Transport Information

The product is not classified as dangerous for transportation under EU or UK national regulations.

15. Regulatory Information

The product is not classified as dangerous to supply under EU or UK national regulations. Powdered clay does not have a specified exposure limit. It is recommended that due regard be taken of the specified constituents in deriving an occupational exposure standard for the workplace.



16. Other Information

Training advice	Workers should be trained to handle products without generating dust or spillages.
Bibliography	<ol style="list-style-type: none">1. Carriage of Dangerous Goods (Classification, Packaging and Labelling) Regulations.2. Chemicals (Hazard Information and Packaging for Supply) Regulations.3. Control of Substances Hazardous to Health Regulations.4. Dust: General Principles of Protection (EH44)5. Environmental Hygiene Guidance (EH40).