



# CLAYMAN

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## SAFETY DATA SHEET

5406	RED TERRA-COTTA
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1. Identification of substance/preparation and of the company undertaking	
Trade Name	Powder red clay
Chemical Name	Powder red clay
Synonyms	None

2. Composition /information on ingredients			
Red clay is a sedimentary clay of natural origin			
Fireclays may contain up to 20% of quartz, a small amount of which may be of respirable size.			
Component	CAS	EINECS	MEL (Maximum Exposure Limit) for respirable crystalline silica dust
Quartz	14808-60-7	238-878-4	0.3mg/m <sup>3</sup> in a TWA 8hr reference period

3. Hazards Identification	
Fireclay 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	Red/red-brown colour in powder form, none
Flammability	Non flammable
Explosive properties	Non-explosive
Oxidising properties	Non-oxidising
Specific gravity	2.6
Melting point (°C)	Less than 1200°C. Substances 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.
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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. Redclay 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	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).