



CLAYMAN

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SAFETY DATA SHEET

5164	PETALITE
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1. Identification of substance/preparation and of the company undertaking	
Trade Name:	Petalite
Chemical name	Lithium Aluminium Silicate
Synonyms	None

2. Composition /information on ingredients			
Component	CAS	EINECS	% of composition
Lithium Aluminium Silicate	12089-40-5	2350986	>95

3. Hazards Identification	
Inhalation	Excessive exposure may cause symptoms of chronic lung disease
Ingestion	The material is of low acute toxicity
Eyes	May cause physical irritation and inflammation
Skin	The material is not a primary irritant, but as with any abrasive powder it may give rise to minor irritation

4. First Aid Measures	
Inhalation	Remove patient to fresh air, loosen tight clothing and seek medical attention
Ingestion	Do not induce vomiting, seek medical advice
Eyes	Wash immediately with copious amounts of water
Skin	Wash affected areas with water

5. Fire Fighting Hazards	
Extinguishing Media	Suitable for surrounding fire conditions
Special exposure hazard	None
Personal protective equipment	None other than required for surrounding fire conditions

6. Accidental Release Measure	
Leaks & Spills	Use suitable vacuum equipment where reasonably practicable, otherwise damp down and scoop into a receptacle
Personal 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
Storage	Store in dry area

8. Exposure Control/Personal Protection	
Engineering controls	Adequate ventilation should be provided so that Occupational Exposure Limits are not exceeded. Local Exhaust Ventilation is preferable to personal protection.
Personal protective equipment	Where necessary, suitable personal protection should be used (e g overalls, gloves, mask)

9. Physical & Chemical Properties	
Appearance & Odour	White powder odourless
Flash point (°C)	Not applicable
Flammability	Not applicable
Explosive properties	Non explosive
Oxidising properties	None
Specific gravity	About 2.5
pH value	About 8 (Insoluble in water)
Melting point (°C)	Above 1100°C

10. Stability & Reactivity	
Chemical stability	The material is stable
Conditions/materials to avoid	None known
Hazardous decomposition products	None known
Hazardous polymerization products	None

11. Toxicological Information			
Acute toxicity	LD ₅₀	Oral (rat)	> 2000 mg/kg.
	LD ₅₀	Dermal	Not known.
	LC ₅₀	Inhalation	Not known.
Health effects	Prolonged or repeated exposure above Occupational Exposure Limits may cause fibrosis of the lungs		

12. Ecological Information	
Ecotoxicity	Not Known
Persistence	The material is chemically stable and will persist in the environment

13. Disposal Considerations	
Dispose of in accordance with the current Waste Disposal Regulations (for U K Special Waste regulations 1996). Landfill is the most appropriate method	



14. Transport Information		
U.N. / S.I. No.:		
U.N. 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 require 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
	S38	In case of insufficient ventilation wear suitable respiratory equipment
UK Occupational exposures limits (refer to HSE Guidance note EH40)	Mg/m ³ 8 hr TWA	% in product
Dusts total inhalable	10	-
Dusts total respirable	5	-
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	
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 COSH regulations