



CLAYMAN

Morells Barn • Park Lane • Lower Bognor Road • Lagness • Chichester • West Sussex • PO20 1LR
Telephone: +44 (0) 1243 265845 (2 lines + ansaphone) • Facsimile: +44 (0) 1243 267582

Email: Info@claymansupplies.co.uk • www.claymansupplies.co.uk

SAFETY DATA SHEET

5120	CORNISH STONE
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1. Identification of substance/preparation and of the company undertaking	
Trade Name:	Cornish Stone
Chemical name	Sodium, potassium and lithium, aluminium silicates
Synonyms	None

2. Composition /information on ingredients			
Component	CAS	EINECS	% of composition
Complex mixtures of naturally occurring silicates	Refer to summary	Refer to summary	100%
Mineralogical	Over 90% of the dry material comprises felspars, macas and quartz, a little Kaolinite and amorphous silica make up to 100%		
Physical	The material is water ground (W.G) to an average of 68% by weight less than 14µm e.s.d with standard deviation of 3.8% as measured by the Sedigraph method.		

Typical Chemical Analysis		
Oxide	Range	Mean %
SiO ₂	72.2 – 73.5	72.7
TiO ₂	0.04 – 0.06	0.05
Al ₂ O ₃	15.4 – 15.9	15.6
Fe ₂ O ₃	0.12 – 0.17	0.14
CaO	1.29 – 1.68	1.39
MgO	0.10 – 0.16	0.12
K ₂ O	4.01 – 4.56	4.32
Na ₂ O	2.97 – 3.25	3.06
P ₂ O ₅	0.39 – 0.43	0.41
Loss	1.78 – 2.05	1.89



3. Hazards Identification	
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	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 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	Odourless powder
Flash point (°C)	Not applicable
Flammability	-
Explosive properties	Non explosive
Oxidising properties	Non oxidising
Specific gravity	2-4 typically
pH value	8 typically
Melting point (°C)	Starting at approximately 1150°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 toxicology	
Health effects	Prolonged or repeated exposure above Occupational Standards may cause fibrosis of the lungs

12. Ecological Information	
Ecotoxicity	No specific information available
Persistence	The material is 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.	



14. Transport Information		
U.N. / S.I. No.:		Not classified
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 requires 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 constitutes 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