



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

5683	BORAX FRIT
------	------------

1. Identification of substance/preparation and of the company undertaking	
Trade Name:	Frit
Chemical Name:	
Synonyms:	None

2. Composition /information on ingredients			
Component	CAS	EINECS	% of composition
*Colemenite standard	12291-65-5		100%
Ceramic frit (ground)	65997-18-4		100%

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	It is compatible with standard fire fighting technique (e.g. use of water carbon dioxide, dry powder, sand and chemical foam extinguishers).
Special Exposure Hazard	None
Personal protective equipment	None other than required for surrounding fire conditions.



6. Accidental Release Measure	
Leaks and Spills	Collect dry material by wet sweeping or vacuum with efficient particulate filter.
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 a 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 pr EN 140, 141, 143 or 149 should be worn. Protective gloves and overalls are recommended for prolonged contact.

9. Physical & Chemical Properties	
Appearance and Odour	Odourless, off white powder
Flash point (°C)	Not applicable
Flammability	Not known
Explosive properties	Non explosive
Oxidising properties	None
Specific gravity	2-3
pH value	9.3
Melting point (°C)	930°C between 900°C and 1180°C

10. Stability & Reactivity	
Chemical stability	The material is stable
Conditions/ materials to avoid	Not known
Hazardous decomposition products	Not known
Hazardous polymerization products	None

11. Toxicological Information		
Acute Toxicology	LD50 Oral (rats)	>2000mg/kg
	LD50 Dermal	Not known
	LD50 Inhalation	Not known
Health effects	Prolonged or repeated exposure above occupational exposure standards may cause fibrosis of the lungs.	



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

13. Disposal Considerations	
Dispose in accordance with current waste Disposal regulations (for UK – Control of Pollution {Special Waste} Regulations 1996). Landfill is the most appropriate method.	

14. Transport Information		
UN/SI No	None	
UN Class	Not restricted	
Packing group	Not restricted	
Road	UK	Not restricted
	ADR	Not restricted
Sea	AMO	Not restricted
Air	ICAO	Not restricted

15. Regulatory Information		
EC Supply Labelling	None required by directive 88/379/EEC	
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.
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 COSHH regulations.