



# CLAYMAN

## SAFETY DATA SHEET

5683

BORAX FRIT

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

<b>Trade Name:</b>	Frit
<b>Chemical Name:</b>	
<b>Synonyms:</b>	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

<b>Inhalation:</b>	Excessive exposure may cause symptoms of chronic lung disease.
<b>Ingestion:</b>	The product is of low solubility in body fluids and it is likely to be of low acute toxicity.
<b>Eyes:</b>	May cause physical irritation and inflammation.
<b>Skin:</b>	The material is not a primary irritant but as with any abrasive powder it may give rise to minor irritation.

### 4. First Aid Measures

<b>Inhalation:</b>	Remove patient to fresh air, loosen tight clothing and seek medical attention.
<b>Ingestion:</b>	Do not induce vomiting, seek medical advice.
<b>Eyes:</b>	Wash immediately with copious amounts of water.
<b>Skin:</b>	Wash affected areas with water.

### 5. Fire Fighting Hazards

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



## 6. Accidental Release Measure

<b>Leaks and Spills</b>	Collect dry material by wet sweeping or vacuum with efficient particulate filter.
<b>Personal protective equipment</b>	Respiratory protective equipment.

## 7. Handling & Storage

<b>Handling</b>	Do not eat, drink, or smoke in areas where the material is used. Wash thoroughly after handling the material.
<b>Storage</b>	Store in a dry area.

## 8. Exposure Control/Personal Protection

<b>Engineering controls</b>	Adequate ventilation should be provided so that Occupational Exposure Limits are not exceeded. Local Exhaust Ventilation is normally recommended.
<b>Personal protective equipment</b>	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

<b>Appearance and Odour</b>	Odourless, off white powder
<b>Flash point (°C)</b>	Not applicable
<b>Flammability</b>	Not known
<b>Explosive properties</b>	Non explosive
<b>Oxidising properties</b>	None
<b>Specific gravity</b>	2-3
<b>pH value</b>	9.3
<b>Melting point (°C)</b>	930°C between 900°C and 1180°C

## 10. Stability & Reactivity

<b>Chemical stability</b>	The material is stable
<b>Conditions/ materials to avoid</b>	Not known
<b>Hazardous decomposition products</b>	Not known
<b>Hazardous polymerization products</b>	None



## 11. Toxicological Information

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

## 12. Ecological Information

<b>Ecotoxicity</b>	Not known
<b>Persistence</b>	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

<b>UN/SI No</b>	None	
<b>UN Class</b>	Not restricted	
<b>Packing group</b>	Not restricted	
<b>Road</b>	UK	Not restricted
	ADR	Not restricted
<b>Sea</b>	AMO	Not restricted
<b>Air</b>	ICAO	Not restricted

## 15. Regulatory Information

<b>EC Supply Labelling</b>	None required by directive 88/379/EEC	
<b>R phrases</b>	None	
<b>S phrases</b>	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

<b>COSHH ACOP</b>	HSC approved Code of Practice for the Control of Substances Hazardous to Health Regulations 1994.
<b>CHIP 96</b>	Chemicals (Hazard Information and Packaging for Supply) Regulations 1996
<b>CHIP SDS ACOPS</b>	HSC Approved Code of Practice for Safety data sheets in accordance with regulation 6 of the CHIP regulations.
<b>HSE EH40</b>	HSE Guidance note EH40 on Occupational Exposure Limits to be used in conjunction with COSHH regulations.