

Bath Potters' Supplies

MATERIAL SAFETY DATA SHEET

1. Identification of the preparation/Supplier reference

Trade Name **Dry Ground High Alkaline Frit- 361187**
Chemical name Frit.
Synonyms High Alkaline Frit, "T" Frit
Supplier Bath Potters Supplies, Unit 18, Fourth Avenue, Westfield Trading Estate,
 Radstock, Nr. Bath. BA3 4XE
Emergency numbers Tel: 01761 411077
 Fax: 01761 414115
 Internet: coshh@bathpotters.demon.co.uk

2. Composition

Component	CAS	EINECS	% of composition
Frits, chemicals	65997-18-4	2660476	100

3. Health Hazard Identification

Inhalation Excessive exposure may cause damage to the lungs and kidneys.
Ingestion Product of low solubility in body fluids and likely to be of low acute toxicity.
Eyes May cause physical irritation and inflammation.
Skin Not a primary irritant. Any abrasive powder may give 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. Seek medical attention if irritation persists.
Skin Wash affected areas with water. If irritation persists, seek medical attention

5. Fire Fighting Measures

Extinguishing Media Suitable for surrounding fire conditions.
 The product is not explosive or combustible. Standard fire fighting techniques only are required, i.e. water, sand, carbon dioxide, chemical foam extinguishers etc.
Special Exposure hazard In the event of fire the product may emit harmful or toxic fumes.
Protective equipment None other than required for surrounding fire conditions.

6. Accidental Release Measures

Leaks & Spills Remove dry materials either by a vacuum cleaner fitted with an efficient particulate filter or by damping down and scooping in to a receptacle.
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
 Local exhaust ventilation is recommended to comply with occupational exposure limits (refer to Guidance Note EH40 - latest edition)
Storage Store in dry area

8. Exposure Control/Personal protective Equipment

Engineering controls	Adequate ventilation should be provided so that Occupational Exposure Limits are not exceeded. Local Exhaust Ventilation is 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	White powder, odourless
Flash point (°C)	Not applicable
Flammability	Not applicable
Explosive properties	Non-explosive
Oxidising properties	None
Specific gravity	3-5
pH value	7 (Insoluble in water)
Melting point (°C)	Not available

10. Stability & Reactivity

Chemical stability	The material is stable
Conditions/materials to avoid	None known
Hazardous decomposition products	None known
Hazardous polymerisation products	None

11. Toxicology Information

Acute toxicology	LD ₅₀ Oral	>2000 mg/kg
	LD ₅₀ Dermal	Not known
	LD ₅₀ Inhalation	Not known
Health effects	Prolonged or repeated exposure above Occupational Exposure Standards may cause lung or kidney damage.	

12. Ecological information

Ecotoxicity	Not known.
Persistence	Chemically stable and will persist in the environment.

13. Disposal

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.	Not classified	
UN 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	Harmful X_n	
R-Phrases	R20/22 Harmful by inhalation and if swallowed. R33 Danger of cumulative effects.	
S-Phrases	S13 Keep away from food, drink and animal feeding stuffs. S20/21 When using do not eat, drink or smoke. S22/23 Do not breath dust or fumes/spray S28 After contact with skin wash with plenty of water.	
UK Occupational exposures limits*	Mg/m ³ 8 hr TWA	% in product
Dusts: Total inhalable	10	
respirable	5	
Barium compounds (Ba)	0.5	5.5

* refer to HSE Guidance note EH40

In accordance with the H.S.E. 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

General industrial hygiene practices are recommended when handling and using this product.

COSHH ACOP:	H.S.C. 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 ACOP:	H.S.C. 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 COSHH regulations.

The information contained in this safety data sheet has been prepared using the best available information. However, in view of technical developments this may alter.

The material must only be used for its stated purpose and the information contained within this data sheet is offered solely for use in the evaluation of this product in respect of safety, health and environmental hazards.

Due to the many factors outside our control when using this product we cannot accept liability for any injury, accident, loss or damage caused through its use.

April 1999-09-07