

Bath Potters' Supplies

MATERIAL SAFETY DATA SHEET

1. Identification of the preparation/Supplier reference

Trade Name **W/G. SBF Transparent Frit – 2452009P**
Chemical name Frit.
Synonyms Standard Borax Frit, 'E' Frit
Supplier Bath Potters Supplies, Unit 18, Fourth Avenue, Westfield Trading Estate,
 Radstock, Nr. Bath. BA3 4XE
Emergency numbers Tel: 01761 411077
 E:mail: sales@bathpotters.co.uk

2. Composition

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

3. Health Hazard Identification

Inhalation Excessive exposure to any dusty residue may cause irritation of the respiratory tract and mucous membranes, and cause symptoms of chronic lung disease.
Ingestion The product is 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, but as with any abrasive powder it may give rise to irritation and or sensitisation.

4. First Aid Measures

Inhalation Remove patient to fresh air, loosen tight clothing and seek medical attention.
Ingestion Do not induce vomiting. If the patient is conscious, rinse mouth out with copious amounts of water and seek medical advice.
Eyes Irrigate immediately with copious amounts of water for 15 minutes, paying particular attention to under the eyelid. Seek medical attention if irritation persists.
Skin Remove contaminated clothing and wash affected areas with soap and 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 in a sealed container.

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 LD₅₀ Oral >2000 mg/kg
LD₅₀ Dermal Not known
LD₅₀ Inhalation Not known

Health effects Prolonged or repeated exposure to any dust, above Occupational Exposure Standards, may cause fibrosis of the lungs.

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	None required 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.
	S22/23	do not breath dust or fumes/spray.
	S38	In case of insufficient ventilation wear suitable respiratory equipment.
UK Occupational exposures limits*	Mg/m ³ 8 hr TWA	% in product
Dusts: Total inhalable	10	
respirable	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.

26.08.21