

BATH POTTERS SUPPLIES

MATERIAL SAFETY DATA SHEET

1. Identification of Preparation/Company.

Trade name : **Low Expansion Frit**
Chemical name : borosilicate glass
Synonyms : borosilicate frit, w/g leadless transparent 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	C.A.S.	EINECS	% of composition
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A single borosilicate glass frit of no specific significant hazards ...treat it as nuisance dust.

3. Health Hazard 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 clothing, 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 Measures.

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 Measures.

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 a dry area.

8. Exposure Controls/Personal Protective Equipment.

Engineering controls : Adequate ventilation should be provided so that Occupational Exposure Limits are not exceeded.
Local Exhaust Ventilation is preferable to personal protection.

Personal protective equipment: Where necessary, suitable personal protection should be used (e.g. overalls, gloves, mask).

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 polymerization products : None.

11. Toxicological Information.

Acute toxicity :- LD₅₀ Oral (rat) Not known.
LD₅₀ Dermal Not known.
LC₅₀ Inhalation Not known.

Health effects : Prolonged or repeated exposure above Occupational Exposure Limits 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.

Dispose of in accordance with current Waste Disposal Regulations (for U.K. ... Special Waste Regulations 1996).
Landfill is the most appropriate method.

14. Transport Information.

U.N./S.I. No. : Not restricted.
U.N. Class : Not restricted.
Packing group : Not restricted.
Road :- U.K. : Not restricted.
A.D.R. : Not restricted.
Sea:- I.M.O. : Not restricted.
Air:- I.C.A.O. : Not restricted.

15. Regulatory Information.

EC Supply labelling: None required by relevant EU directives and UK regulations.

R-Phrases : None.

S-Phrases: S22 Do not breathe dust.

U.K Occupational exposure limits*: mg/m³ 8 hr TWA % in product (total dust)

Dusts:
Total inhalable 10
respirable 4

* Refer to H.S.E. 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.

References :

ADR	European agreement concerning international transport of dangerous goods by road (Accord europeen relatif au transport international des marchandises Dangereuses par Route).
CAS	International reference numbers for chemical substances (Chemical Abstracts Service).
CHIP	Chemicals (Hazard Information and Packaging) regulations 1993, and later revisions.
CHIP SDS ACOP	H.S.C. Approved Code Of Practice for Safety Data Sheets in accordance with regulation 6 of the CHIP regulations.
COSHH ACOP	H.S.C. Approved Code Of Practice for the Control Of Substances Hazardous to Health regulations 1988, and later revisions.
EINECS	European INventory of Existing commercial Chemical Substances.
HSE EH40	H.S.E. Guidance note EH40 on Occupational Exposure Limits (revised annually), to be used in conjunction with the COSHH regulations.
HSWA	Health and Safety at Work Act 1974.
ICAO	International Civil Aviation Organisation.
IMO	International Maritime Organisation.
LC50	Concentration which is lethal by inhalation to 50% of a defined population (eg: rats) within a specified time.
LD50	Dose which is lethal orally or dermally to 50% of a defined population (eg: rats) within a specified time.
UN	United Nations.

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Since the specific conditions of use of the product are outside the control of the supplier, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information within this safety data sheet is correct to the best of our knowledge and information at the date of publication. The information relates only to the specific product designated and may not be valid for the product if used in combination with any products or any

processes other than those specified in the text.

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