



SAFETY DATA SHEET

1. Identification of the substance/preparation and the company

BARYTES JOINTING SAND, AGGREGATES AND BRICKS

Richard Baker Harrison Ltd
253 Cranbrook Road
Ilford
Essex IG1 4TQ

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2. Composition/information on ingredients

Barium Sulphate BaSO ₄		CAS.NO: 7727-43-7
Crystalline Silica SiO ₂	Trace	CAS.NO: 14808-60-7
Calcium Carbonate CaCO ₃	Trace	CAS.NO: 1317-65-3
Calcium Fluoride CaF ₂	Trace	CAS.NO: 7789-75-5
Lead Pb	Trace	CAS.NO: 7439-92-1

3. Hazards identification

Prolonged exposure to high concentrations of dust by inhalation or ingestion may give rise to increased blood lead levels.

4. First-aid measures

First Aid – Eyes	Flush out with water particularly under eyelid.
First Aid – Skin	Wash with soap and water
First Aid – Ingestion	If large quantities are ingested, seek qualified medical advice.
First Aid – Inhalation	Remove from dusty atmosphere, no emergency care normally required.

5. Fire-fighting measures

Extinguishing media: Non flammable, use media appropriate to surrounding fire.

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6. Accidental release measures

General information Exclude non-essential personnel. Avoid breathing dust. Avoid skin contact. Use respiratory protection equipment of sufficiently high standard to prevent exposure in excess of occupational exposure limits.
Collect spillage by vacuum and reclaim or dispose of as normal refuse.

7. Handling and storage

Handling Manual handling regulations may apply to this material.

Storage Store in a cool, dry place.

8. Exposure controls/Personal protection

Occupational exposure standards

Substance	Occupational Exposure Limits 8 Hour TWA	
	Total Dust mg/m ³	Respirable Dust mg/m ³
Barium Sulphate	10.00	4.00

General Information Provide adequate ventilation. Where reasonably practicable this should be achieved by containment at source, local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates below the relevant exposure limits, suitable respiratory protection should be worn.

Goggles should be worn if necessary. Overalls and gloves may help prevent workers becoming excessively dirty.

9. Physical and chemical properties

Form: sand/aggregate/brick
 Colour: white
 Odour: odourless
 Flash point: not applicable
 Solubility in water: < 10⁻² g/l
 Vapour pressure: not applicable
 Density: approx. 4.4 g/cm³ at 20 °C – sand/aggregate
 Flammability: non-flammable
 Explosive limits: may explode if heated with aluminium
 Ignition temperature: not applicable
 Decomposition temperature: 1580 °C

10. Stability and reactivity

Stability Stable under normal conditions.
 Hazardous decomposition: > 1580 °C decomposes emitting toxic fumes of SO_x
 Hazardous reactions: Aluminium, phosphorus.

11. Toxicological information

Prolonged exposure to high concentrations of dust by inhalation or ingestion may give rise to increased blood lead levels. The total quantity of lead in this product is very low. Where good housekeeping, personal hygiene and efficient dust control measures are employed the lead poisoning hazard and associated risk is low.

12. Ecological information

As the product is practically insoluble in water, it is separated in almost any filtration and sedimentation process.

Barytes is a naturally occurring mineral presenting no hazard to the environment.

13. Disposal considerations

May be disposed of in approved landfills provided local regulations are observed.
Return large quantities to manufacturer.

14. Transport information

No special requirements for transportation by sea, road, rail or air.

15. Regulatory information

No labelling is required for this material by the Classification Packaging and labelling of Dangerous Substances Regulations 1984 and corresponding EEC directives.

Occupational Exposure Standard (OES) for dusts 10 mg/m³ (Total dust) or 4 mg/m³ (respirable dust)

16. Other Information

This data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.