

# Bath Potters' Supplies

## MATERIAL SAFETY DATA SHEET

### 1. Identification of the preparation/Supplier reference

Trade Name **Barium Carbonate - 231050**  
Chemical name Barium Carbonate precipitate  
Synonyms As a mineral it is called Witherite.  
Supplier Bath Potters Supplies, Unit 18, Fourth Avenue,  
Emergency numbers Westfield Trading Estate, Radstock, Nr. Bath. BA3  
4XE Tel: 01761 411077 E:mail:  
sales@bathpotters.co.uk

---

### 2. Composition

Components.	CAS	EINECS	% of composition
Barium Carbonate	513-77-9	2081673	>99

---

### 3. Health Hazard Identification

Inhalation Excessive exposure may cause damage to the lungs and kidneys.  
Ingestion Excessive exposure may cause sever abdominal pain, nausea, vomiting, tremors and diarrhoea.  
Eyes Excessive exposure may cause sever physical irritation due to alkalinity.  
Skin Excessive exposure may cause sever physical irritation due to alkalinity.

---

### 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.  
For medical personnel only: Slowly give 10ml of 10% Na<sub>2</sub>SO<sub>4</sub> orally, repeated every 15 min, to alleviate poisoning symptoms.  
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 Self-contained breathing apparatus.

---

### 6. Accidental Release Measures

Leaks & Spills Remove dry materials either by a vacuum cleaner fitted with an efficient particular filter or by damping down and scooping in to a receptacle.  
**Do not wash into water courses, sewers or drains.**  
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 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 normally 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	Odourless white powder.
Flash point (°C)	Not applicable
Flammability	Not applicable
Explosive properties	Non-explosive
Oxidising properties	None
Specific gravity	4.4
pH value	>7 typically (Alkaline, but sparingly soluble.)
Melting point (°C)	Decomposes at 1360 degrees C

---

## 10. Stability & Reactivity

Chemical stability	The material is stable under normal conditions.
Conditions/materials to avoid	Heat, sparks, flames, moisture, acids.
Hazardous decomposition products	None known.
Hazardous polymerisation products	None.

---

## 11. Toxicology Information

Acute toxicology	LD <sub>50</sub> Oral	630 mg/kg
	LD <sub>50</sub> Dermal	Not known
	LD <sub>50</sub> Inhalation	Not known
Health effects	Prolonged or repeated exposure above Occupational Exposure Standards may cause lung or kidney damage.	

---

## 12. Ecological information

Ecotoxicity	It bioconcentrates, but it does not bioaccumulate.
Persistence	Sparingly soluble in water, forms a cloudy suspension, can generate a persistent 20ppm soluble barium.

---

## 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.	1564	
UN Class	6.1	
Packing group	III	
Road	UK ADR	Poison Item code 60 degrees C
Sea	IMO	IMDG page 6079
Air	ICAO	As above

---

## 15. Regulatory information

EC Supply Labelling	<b>Harmful X</b>	
R-Phrases	R22	Harmful if swallowed.
S-Phrases	S24/25	Avoid contact with skin and eyes.
	S28	After contact with skin, wash immediately with plenty of water.
UK Occupational exposures limits*	Mg/m <sup>3</sup> 8 hr TWA	% in product
Barium compounds (as Ba)	0.50	70

\* 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