

# 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, 2 Dorset Close, Bath, BA2 3RF  
Emergency numbers         01225 337046

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### 2. Composition

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

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### 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.

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### 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

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### 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.

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### 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.

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### 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

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## 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. |

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## 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                    |

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## 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.   |

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## 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. |           |

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## 12. Ecological information

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

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## 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.

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## 14. Transport Information

|               |           |                                  |
|---------------|-----------|----------------------------------|
| UN/SI No.     | 1564      |                                  |
| UN Class      | 6.1       |                                  |
| Packing group | III       |                                  |
| Road          | UK<br>ADR | Poison<br>Item code 60 degrees C |
| Sea           | IMO       | IMDG page 6079                   |
| Air           | ICAO      | As above                         |

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## 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.<br>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 0.50 70  
(as Ba)

\* 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.

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## 16. Other information

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

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|----------------|--|
| 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.    |

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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