

## MATERIAL SAFETY DATA SHEET

**Product - Barite Powder - API Spec 13A**

### ❖ Identification of Substance and Company

**Product** : Barite / Barytes (Naturally occurring Mineral, Barium sulphate)  
**Applications** : Weighting Agent, Filler



**Supplier** : Pulapathuri™ Group of Business  
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 YSR Dist, A.P, INDIA – 516106  
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**Contact Person** : RS Reddy. Pulapathuri

### ❖ Physical & Chemical Properties

**Chemical Formula** : BaSO<sub>4</sub>  
**Appearance** : Powder, dust  
**Color** : Various (Tan to Grey)  
**Odor** : Generally odorless  
**Melting Point** : 1580 C  
**Solubility** : Insoluble in water  
**Explosion limit** : Not Explosive  
**Specific Gravity** : 4.20 and above

### ❖ Hazard Identification - HMIS

#### Inert Material

**Not classified as Hazardous** to human health or the environment, or dangerous as mentioned by 'The Barytes Association'.

**HMIS Rating** – Health-1, Flammability-0, Physical Hazard-0, PPE-E

Generally First AID is sufficient for Barite affected Patients.

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❖ **First AID Measures**

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- Ingestion** : Not Harmful. Rinse mouth thoroughly, Drink plenty of water. First Aid normally not required
- Inhalation** : General irritant only. Remove from Exposure, if any discomfort persist get medical attention.
- Skin Contact** : Non irritant. Wash with water and soap
- Eye Contact** : General irritant only. Promptly flush with water, lifting eyelids. If any discomfort persists get medical attention.
- General** : Get Medical attention if any discomfort continues.

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❖ **Fire Fighting Measures**

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- Barytes is non-flammable.** Can be used fire extinguisher suitable for surroundings.
- Barytes decomposes above 1100 Centigrade** and emits sulphur dioxide, fire fighters should wear breathing apparatus
- F. Limits & Flash Point** : Not Applicable
- Hazardous Combustion** : Not determined

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❖ **Accidental Release Measures**

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- Spillage** : Vacuum or sweep-up wearing dust mask, wash hands after cleaning
- Environmental Precautions** : None. Waste should be disposed of in accordance with federal, state and local laws.
- Personal Precautions** : Use Personal protective equipment to avoid direct body contact with Barite powder. Ex. Goggles, Gloves, Mask, Appropriate clean clothes.

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❖ **Handling & Storage**

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- Handling:** : No special instructions required. Store Dry, avoid handling that creates dust. Good housekeeping and dust protection procedures should be followed. Packaging materials suitable are paper bags or big bags manufactured from "sift proof" material (inner 80 microns).
- Storage:** : Store in dry, well ventilated area. Keep container closed, store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and stacking.

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❖ **Exposure Controls / Personal Protection**

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**CAS#** : 7727-43-7  
**Wt%** : 91-93  
**ACGIH TLV TWA** : 10 MG/M<sup>3</sup>  
**Engineering Controls** : Use appropriate engineering controls such as, exhaust ventilation and process enclosure, to ensure air contamination and keep workers exposure below the applicable limits.

**Personal Protection Equipment:**

**Eye / Face Protection** : Dust resistant safety goggles  
**Skin Protection** : wear appropriate clothing and protective gloves to prevent repeated or prolonged skin contact.  
**Respiratory Protection** : Use Half mask disposable or Reusable particulate respirator  
**General Hygiene Considerations** : Work clothe should be washed on daily basis

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❖ **Toxicological Information**

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Long term inhalation of particulate can cause irritation, inflammation and/or permanent injury to the lungs. Illness such as pneumoconiosis (dusty lung), pulmonary fibrosis, chronic bronchitis, emphysema and bronchial asthma may develop.

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❖ **Ecological Information**

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Not available

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❖ **Disposal**

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Recover, reclaim or recycle if practical. Otherwise dispose of as a non-hazardous or inert waste if necessary in compliance with local rules.

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❖ **Transport Information**

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Barytes Classified as Non hazardous for Road/Rail/Sea/Air transport under international regulations.

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❖ **Regulatory Information**

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Not listed Under SARA 313, CERCLA RQ, SARA 302/TPQs, TSCA 12(b), CA 65 Cancer, CA 85 Dev. TOX, CA 65 Repro.F & CA65 Repro.M

Listed Under TSCA, DSL, EINECS & AICS

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