



## MATERIAL SAFETY DATA SHEET BARIUM SULPHATE

### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	: Barium sulphate	<b>LABORT FINE CHEM PVT LTD.</b>
CAS	: 7727-43-7	<b>Office:</b> 703-704 Icon Business Centre, Opp. Central Mall, Nr. Valentine Cinema, Dumas Road, Surat - 395007, (GUJARAT), INDIA.
Synonym	:	Ph: 0091-261-2725761; 2725388 Fax: 0091-261-2725388
Chemical Name	: Barium sulphate	<b>E Mail:</b> <a href="mailto:info@laboratorychemical.net">info@laboratorychemical.net</a> <b>Website:</b> <a href="http://www.laboratorychemical.net">www.laboratorychemical.net</a>
Chemical formula	: BaSO <sub>4</sub>	<b>Factory:</b> Plot No. 320, G.I.D.C. Ichhapore Industrial Estate, Opp-ONGC, Taluka- Choryasi, District Surat, Gujarat., PIN 394510, India
Molecular weight	: 233.39	

### SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

#### Composition:

Chemical Name	CAS #	% weight
Barium sulphate	7727-43-7	100

**Toxicological Data on Ingredients:** Barium sulphate LD50: Not available. LC50: Not available.

### SECTION 3: HAZARDS IDENTIFICATION

**Potential Acute Health Effects:** Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

#### **Potential Chronic Health Effects:**

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to lungs, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage.

### SECTION 4: FIRST AID MEASURES

#### **Eye Contact:**

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention if irritation occurs.

**Skin Contact:** Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

**Serious Skin Contact:** Not available.

#### **Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Serious Inhalation:** Not available.

**Ingestion:**

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**Serious Ingestion:** Not available.

**SECTION 5: FIRE AND EXPLOSION DATA**

**Flammability of the Product:** Non-flammable.

**Auto-Ignition Temperature:** Not applicable.

**Flash Points:** Not applicable.

**Flammable Limits:** Not applicable.

**Products of Combustion:** Not available.

**Fire Hazards in Presence of Various Substances:** Not applicable.

**Explosion Hazards in Presence of Various Substances:**

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

**Fire Fighting Media and Instructions:** Not applicable.

**Special Remarks on Fire Hazards:** Not available.

**Special Remarks on Explosion Hazards:** Not available.

**SECTION 6: ACCIDENTAL RELEASES MEASURE****Small Spill:**

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill:**

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

**SECTION 7: HANDLING AND STORAGE**

**Precautions:** No specific safety phrase has been found applicable for this product.

**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area.

**SECTION 8: PERSONAL PROTECTION****Engineering Controls:**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Personal Protection:** Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

**Personal Protection in Case of a Large Spill:**

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits:**

TWA: 10 from OSHA (PEL) [United States] Consult local authorities for acceptable exposure limits.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Physical state and appearance:** Solid.

**Odor:** Not available.

**Taste:** Not available.

**Molecular Weight:** 233.39 g/mole

**Color:** Not available.

**pH (1% soln/water):** Not available.

**Boiling Point:** Decomposes.  
**Melting Point:** 1580°C (2876°F)  
**Critical Temperature:** Not available.  
**Specific Gravity:** 4.5 (Water = 1)  
**Vapor Pressure:** Not applicable.  
**Vapor Density:** Not available.  
**Volatility:** Not available.  
**Odor Threshold:** Not available.  
**Water/Oil Dist. Coeff.:** Not available.  
**Ionicity (in Water):** Not available.  
**Dispersion Properties:** Not available.  
**Solubility:** Very slightly soluble in cold water.

## SECTION 10: STABILITY AND REACTIVITY DATA

**Stability:** The product is stable.  
**Instability Temperature:** Not available.  
**Conditions of Instability:** Not available.  
**Incompatibility with various substances:** Not available.  
**Corrosivity:** Non-corrosive in presence of glass.  
**Special Remarks on Reactivity:** Not available.  
**Special Remarks on Corrosivity:** Not available.  
**Polymerization:** Will not occur.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Routes of Entry:** Not available.  
**Toxicity to Animals:**  
LD50: Not available. LC50: Not available.  
**Chronic Effects on Humans:** Causes damage to the following organs: lungs, mucous membranes.  
**Other Toxic Effects on Humans:** Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.  
**Special Remarks on Toxicity to Animals:** Not available.  
**Special Remarks on Chronic Effects on Humans:** Not available.  
**Special Remarks on other Toxic Effects on Humans:** Not available.

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Not available.  
**BOD5 and COD:** Not available.  
**Products of Biodegradation:**  
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.  
**Toxicity of the Products of Biodegradation:** The products of degradation are more toxic.  
**Special Remarks on the Products of Biodegradation:** Not available.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal:**

## SECTION 14: TRANSPORT INFORMATION

**DOT Classification:** Not a DOT controlled material (United States).  
**Identification:** Not applicable.  
**Special Provisions for Transport:** Not applicable.

## SECTION 15: OTHER REGULATORY INFORMATION

**Other Classifications:**

**WHMIS (Canada):** Not controlled under WHMIS (Canada).

**DSCG (EEC):**

This product is not classified according to the EU regulations.

**HMIS (U.S.A.):**

**Health Hazard:** 1

**Fire Hazard:** 0

**Reactivity:** 0

**Personal Protection:** E

**National Fire Protection Association (U.S.A.):**

**Health:** 1

**Flammability:** 0

**Reactivity:** 0

**Specific hazard:**

**Protective Equipment:**

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

## SECTION 16: OTHER INFORMATION

### **Product Use:**

Laboratory Reagent.

### **Disclaimer:**

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