



## Section 1 - Chemical Product and Company Identification

**Product Name** Barium Sulphate extrapure AR, 98%  
**Product Code** 90115  
**CAS No** 7727-43-7  
**Use for** Laboratory Chemicals.  
**Company Name** Sisco Research Laboratories Pvt. Ltd.  
**Address** 608, B Wing, Satellite Gazebo, Andheri Ghatkopar Link Road,  
Andheri (E), Mumbai - 400 099, India

## Section 2 - Composition/Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
7727-43-7	Barium sulphate extrapure Ar	<=100	231-784-4

## Section 3 - Hazards Identification

### EMERGENCY OVERVIEW

Not available

#### Potential Health Effects

**Eye:** Dust may cause mechanical irritation. Causes redness and pain.  
**Skin:** Dust may cause mechanical irritation.  
**Ingestion:** No hazard expected in normal industrial use.  
**Inhalation:** No hazard expected in normal industrial use.  
**Chronic:**

## Section 4 - First Aid Measures

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.  
**Skin:** Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.  
**Ingestion:** Get medical aid. Wash mouth out with water.  
**Inhalation:** Remove from exposure and move to fresh air immediately. Get medical aid.  
**Notes to Physician:**

## Section 5 - Fire Fighting Measures

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn.  
**Extinguishing Media:** Use extinguishing media most appropriate for the surrounding fire.

## Section 6 - Accidental Release Measures



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**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions.

## Section 7 - Handling and Storage

**Handling:** Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

**Storage:** Store in a cool, dry place. Store in a tightly closed container.

## Section 8 - Exposure Control / Personal Protection

**Engineering Controls:** Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

**Exposure Limits** CAS# 7727-43-7

United Kingdom, WEL - TWA: 10 mg/m<sup>3</sup> TWA (inhalable dust); 4 mg/m<sup>3</sup> TWA (respirable dust)

United Kingdom, WEL - STEL: 30 mg/m<sup>3</sup> STEL (inhalable dust); 12 mg/m<sup>3</sup> STEL (respirable dust)

United States OSHA: 15 mg/m<sup>3</sup> TWA (total dust); 5 mg/m<sup>3</sup> TWA (respirable fraction)

Belgium - TWA: 10 mg/m<sup>3</sup> VLE

Malaysia: 10 mg/m<sup>3</sup> TWA (particulate matter containing

no asbestos and <1% crystalline siliNetherlands: 1.5 mg/m<sup>3</sup> MAC (respirable dust); 4 mg/m<sup>3</sup> MAC (inhalable dust)

Spain: 10 mg/m<sup>3</sup> VLA-ED (this value is for the particulated matter that is free from asb

## Personal Protective Equipment

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear impervious gloves.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

## Section 9 - Physical and Chemical Properties

**Physical State:** Crystalline Powder

**Color:** White

**Molecular Formula:** BaO4S

**Molecular Weight:** 233.40

## Section 10 - Stability and Reactivity



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**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** Incompatible materials, dust generation.

**Incompatibilities with**

**Other Materials :** Aluminum, phosphorus.

**Hazardous Decomposition**

**Products :** Oxides of sulfur, barium fume.

**Hazardous Polymerization :** Will not occur.

## Section 11 - Toxicological Information

**RTECS#:** CAS# 7727-43-7: CR0600000 CR0630000

**LD50/LC50:** RTECS: Not available.

**Carcinogenicity:** Barium sulfate - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

**Other:**

The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information.

## Section 12 - Ecological Information

**Ecotoxicity:** Not available

## Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

## Section 14 - Transport Information

	<b>IATA</b>	<b>IMO</b>	<b>RID/ADR</b>
<b>Shipping Name:</b>	Not available	Not available	Not available
<b>Hazard Class:</b>			
<b>UN Number:</b>			
<b>Packing Group:</b>			

## Section 15 - Regulatory Information

### European/International Regulations

European Labeling in Accordance with EC Directives

**Hazard Symbols:** Not available

**Risk Phrases:**

**Safety Phrases:** S 24/25 Avoid contact with skin and eyes.

**WGK (Water Danger/Protection)CAS# 7727-43-7: 0**

**Canada** CAS# 7727-43-7 is listed on Canada's DSL List

### US Federal

**TSCA** CAS# 7727-43-7 is listed on the TSCA Inventory.



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# Safety Data Sheet

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## **Section 16 - Other Information**

Sisco Research Laboratories Pvt. Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.