



Section 1 - Chemical Product and Company Identification

Product Name Barium Sulphate extrapure, 97%
Product Code 80355
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/m³ TWA (inhalable dust); 4 mg/m³ TWA (respirable dust)

United Kingdom, WEL - STEL: 30 mg/m³ STEL (inhalable dust); 12 mg/m³ STEL (respirable dust)

United States OSHA: 15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction)

Belgium - TWA: 10 mg/m³ VLE

Malaysia: 10 mg/m³ TWA (particulate matter containing

no asbestos and <1% crystalline siliNetherlands: 1.5 mg/m³ MAC (respirable dust); 4 mg/m³ MAC (inhalable dust)

Spain: 10 mg/m³ 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

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

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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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.