



## Section 1 - Chemical Product and Company Identification

**Product Name** Barium Hydroxide Octahydrate extrapure AR, ACS, ExiPlus, Multi-Compendial, 98%  
**Product Code** 84482  
**CAS No** 12230-71-6  
**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#
12230-71-6	Barium hydroxide	<=100	unlisted

## Section 3 - Hazards Identification

### EMERGENCY OVERVIEW

Danger! Causes burns by all exposure routes. Harmful if inhaled or swallowed.

**Target Organs:** Kidneys, central nervous system, respiratory system, gastrointestinal system, muscles, cardiovascular system, eyes, skin.

### Potential Health Effects

**Eye:** Causes eye burns.

**Skin:** Causes skin burns. May be harmful if absorbed through the skin.

**Ingestion:** Harmful if swallowed. Causes gastrointestinal tract burns.

**Inhalation:** Harmful if inhaled. Causes chemical burns to the respiratory tract.

**Chronic:** No information found.

## Section 4 - First Aid Measures

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

**Skin:** Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Ingestion:** Do not induce vomiting. Get medical aid immediately. Call a poison control center.

**Inhalation:** Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

**Notes to Physician:** Treat symptomatically and supportively.



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## 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.

**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.

## Section 6 - Accidental Release Measures

**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. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Avoid generating dusty conditions. Provide ventilation. Do not let this chemical enter the environment.

## Section 7 - Handling and Storage

**Handling:** Minimize dust generation and accumulation. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use only in a chemical fume hood.

**Storage:** Store in a cool, dry place. Store in a tightly closed container. Corrosives area. Store under nitrogen.

## Section 8 - Exposure Control / Personal Protection

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use only under a chemical fume hood.

### Exposure Limits:

#### 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 appropriate protective gloves to prevent skin exposure.

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

**Respirators:** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

## Section 9 - Physical and Chemical Properties



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**Product Code** 84482  
**Physical State:** Solid  
**Molecular Formula:** Ba(OH)2.8H2O  
**Molecular Weight:** 315.47

## Section 10 - Stability and Reactivity

**Chemical Stability:** Absorbs carbon dioxide from the air.  
**Conditions to Avoid:** Incompatible materials, dust generation, exposure to air.  
**Incompatibilities with Other Materials :** Aluminum.  
**Hazardous Decomposition Products :** Barium oxide.  
**Hazardous Polymerization :** Will not occur.

## Section 11 - Toxicological Information

**RTECS#:** CAS# 12230-71-6: None listed  
**LD50/LC50:** RTECS: Not available.  
**Carcinogenicity:** Barium hydroxide octahydrate - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65. Barium hydroxide anhydrous - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

**Other:** The toxicological properties have not been fully investigated.

## Section 12 - Ecological Information

**Other:** Do not empty into drains.

## 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:	Corrosive Solids, Toxic, N.O.S.	Corrosive Solids, Toxic, N.O.S.	Corrosive Solids, Toxic, N.O.S.
Hazard Class:	8 (6.1)	8 (6.1)	8 (6.1)
UN Number:	2923	2923	2923
Packing Group:	III	III	III

## Section 15 - Regulatory Information



**Product Code** 84482

### European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: C

Risk Phrases: R 20/22 Harmful by inhalation and if swallowed.

R 34 Causes burns.

Safety Phrases: S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection) CAS# 12230-71-6: 1, CAS# 17194-00-2

Canada CAS# 17194-00-2 is listed on Canada's DSL List

### US Federal

TSCA CAS# 12230-71-6 is not on the TSCA Inventory because it is a hydrate. It is considered to be listed if the CAS number for the anhydrous form is on the Inventory (40CFR720.3(u)(2)). CAS# 17194-00-2 is listed on the TSCA Inventory.

### 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.