



## Section 1 - Chemical Product and Company Identification

**Product Name** Mercuric Sulphate extrapure AR, ACS, ExiPlus, Multi-Compendial, 99%  
**Product Code** 43302  
**CAS No** 7783-35-9  
**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#
7783-35-9	Mercuric sulphate	99%	231-992-5

## Section 3 - Hazards Identification

Very toxic by inhalation, in contact with skin and if swallowed. Danger of cumulative effects. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Potential Health Effects

**Eye:** May cause eye burns.

**Skin:** May cause skin irritation. Toxic in contact with skin.

**Ingestion:** May cause burns to the digestive tract. Toxic if swallowed.

**Inhalation:** May cause burns to the respiratory tract. Toxic if inhaled.

**Chronic:**

## 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:** Get medical aid immediately. Wash mouth out with water.

**Inhalation:** Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**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.

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

## 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. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Do not let this chemical enter the environment.

## Section 7 - Handling and Storage

**Handling:** Do not breathe dust, vapor, mist, or gas. 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. Poison room locked. Store under an inert atmosphere.

## Section 8 - Exposure Control / Personal Protection

### Personal Protective Equipment

**Respiratory Protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand Protection:** The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

**Eye Protection:** Safety glasses

**Skin and body protection:** Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Hygiene measures:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

## Section 9 - Physical and Chemical Properties

**Physical State:** Solid

**Molecular Formula:** HgO4S

**Molecular Weight:** 296.65

## Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures. Air sensitive. Light sensitive.

**Hygroscopic:** Absorbs moisture or water from the air.

**Conditions to Avoid:** Incompatible materials, light, exposure to air, exposure to moist air or water.

### Incompatibilities with

**Other Materials :** Strong oxidizing agents.

### Hazardous Decomposition

**Products :** Oxides of sulfur, mercury/mercury oxides.

**Hazardous Polymerization :** Will not occur.



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## Section 11 - Toxicological Information

RTECS#: CAS# 7783-35-9: OX0500000

LD50/LC50: RTECS:

CAS# 7783-35-9: Oral, mouse: LD50 = 25 mg/kg

Oral, rat: LD50 = 57 mg/kg

Skin, rat: LD50 = 625 mg/kg

**Carcinogenicity:** Mercury(II) sulfate - IARC: Group 3 (not classifiable) (Mercury inorganic compounds).

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

## Section 12 - Ecological Information

**Ecotoxicity:** Fish: Pimephals prome: LC50: 0.19 mg/L; 96H; .

**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
<b>Shipping Name:</b>	Mercury Sulphate	Mercury Sulphate	Mercury Sulphate
<b>Hazard Class:</b>	6.1	6.1	6.1
<b>UN Number:</b>	1645	1645	1645
<b>Packing Group:</b>	II	II	II

## Section 15 - Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

## 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.