



## Section 1 - Chemical Product and Company Identification

<b>Product Name</b>	Sodium Selenite Anhydrous extrapure AR, 99%
<b>Product Code</b>	80451
<b>CAS No</b>	10102-18-8
<b>Use for</b>	Laboratory Chemicals.
<b>Company Name</b>	Sisco Research Laboratories Pvt. Ltd.
<b>Address</b>	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#
10102-18-8	Sodium selenite	99%	233-267-9

## Section 3 - Hazards Identification



### EMERGENCY OVERVIEW

Toxic by inhalation. Very toxic if swallowed. Contact with acids liberates toxic gas. May cause sensitization by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Potential Health Effects

**Eye:** May cause eye irritation.

**Skin:** May be absorbed through the skin. May cause sensitization by skin contact.

**Ingestion:** May be fatal if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause vascular collapse and damage. May cause headache.

**Inhalation:** Effects may be delayed. May cause severe irritation of the respiratory tract with sore throat, coughing, shortness of breath and delayed lung edema. Toxic if inhaled.

## 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:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Never give anything by mouth to an unconscious person. Get medical aid immediately.

**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.

## Section 5 - Fire Fighting Measures



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**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Substance is noncombustible.

**Extinguishing Media:** Use extinguishing media most appropriate for the surrounding fire.

## 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. Avoid generating dusty conditions.

## Section 7 - Handling and Storage

**Handling:** Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Use only in a chemical fume hood.

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

## 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:** Na<sub>2</sub>SeO<sub>3</sub>

**Molecular Weight:** 172.94

**Melting Point:** 350 deg C ( 662.00°F)

## Section 10 - Stability and Reactivity

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

**Conditions to Avoid:** Incompatible materials, exposure to moist air or water, temperatures above 300°C.

**Incompatibilities with Other Materials,** Strong acids, acids.

**Hazardous Decomposition Products,** Selenium/selenium oxides.

**Hazardous Polymerization,** Will not occur.



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## Section 11 - Toxicological Information

**RTECS#:**, CAS# 10102-18-8: VS7350000

**LD50/LC50:**, RTECS:

**CAS# 10102-18-8:** Oral, mouse: LD50 = 7080 ug/kg;

Oral, rabbit: LD50 = 2250 ug/kg;

Oral, rat: LD50 = 7 mg/kg;

**Carcinogenicity:**, Sodium selenite, anhydrous - IARC: Group 3 (not classifiable) (Selenium compounds).

**Other:** See actual entry in RTECS for complete information. Mutagenicity: Ames-test: positive.

## Section 12 - Ecological Information

Not available

## Section 13 - Disposal Considerations

**Product:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging:** Dispose of as unused product.

## Section 14 - Transport Information

IATA	IMO ,	RID/ADR		
<b>Shipping Name:</b>	SELENITES ,	SELENITES	SELENITES	SELENITES
<b>Hazard Class:</b>	6.1	6.1	6.1	
<b>UN Number:</b> ,	2630	2630	2630	
<b>Packing Group:</b>	I	I	I	

## 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.