



## Section 1 - Chemical Product and Company Identification

**Product Name** Mercuric Thiocyanate extrapure AR, ExiPlus, Multi-Compendial, 98%  
**Product Code** 93119  
**CAS No** 592-85-8  
**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#
592-85-8	Mercury(II) thiocyanate	98%	209-773-0

## Section 3 - Hazards Identification

### EMERGENCY OVERVIEW

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. Highly toxic. Moisture sensitive. Light sensitive.

### Potential Health Effects

**Eye:** Causes eye burns. Causes redness and pain.

**Skin:** May be fatal if absorbed through the skin. Causes redness and pain.

**Ingestion:** May be fatal if swallowed. May cause severe digestive tract irritation with abdominal pain, nausea, vomiting and diarrhea.

**Inhalation:** May be fatal if inhaled. May cause irritation of the respiratory tract with burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema.

**Chronic:** May cause liver and kidney damage.

## 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 flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Ingestion:** SPEED IS ESSENTIAL. A DOCTOR MUST BE NOTIFIED AT ONCE. Wash mouth out with water.

**Inhalation:** Remove from exposure and move to fresh air immediately.

If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

## Section 5 - Fire Fighting Measures



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**Product Code** 93119

General Information: Material will not burn.

Extinguishing Media: Substance is noncombustible; use agent most appropriate to extinguish 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.

## 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: Room temperature. Do not store in direct sunlight.

Store in a tightly closed container. Poison room locked.

## 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.

Exposure Limits CAS# 592-85-8:

Belgium - TWA: (mercury inorganic compounds): 0.025 mg/m<sup>3</sup> VLE (as Hg)

France - VME: (mercury inorganic compounds): 0.1 mg/m<sup>3</sup> VME (as Hg)

Germany: (mercury inorganic compounds): 0.1 mg/m<sup>3</sup> VME (as Hg)

Germany: (mercury inorganic compounds): skin notation

Malaysia: (mercury inorganic compounds): 0.025 mg/m<sup>3</sup> TWA (as Hg)

Netherlands: (mercury inorganic compounds): 0.15 mg/m<sup>3</sup> STEL

Netherlands: (mercury inorganic compounds): 0.05 mg/m<sup>3</sup> MAC

Russia: (mercury inorganic compounds): 0.005 mg/m<sup>3</sup> TWA (aerosol, as Hg)

Spain: (mercury inorganic compounds): 0.025 mg/m<sup>3</sup> VLA-ED (as Hg)

Personal Protective Equipment

Eyes: Wear chemical splash goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Respirators: A NIOSH/MSHA approved air purifying dust or mist respirator or European Standard EN 149.

## Section 9 - Physical and Chemical Properties

Physical State: Solid

Molecular Formula: Hg(SCN)<sub>2</sub>

Molecular Weight: 316.75



**Product Code** 93119

## Section 10 - Stability and Reactivity

Chemical Stability: Not available

Conditions to Avoid: Light, exposure to moist air or water.

Incompatibilities with

Other Materials : Strong oxidizing agents.

Hazardous Decomposition

Products : Carbon monoxide, oxides of nitrogen, oxides of sulfur,  
carbon dioxide, mercury/mercury oxides.

Hazardous Polymerization :Has not been reported.

## Section 11 - Toxicological Information

RTECS#: CAS# 592-85-8: XL1550000

LD50/LC50: RTECS:

CAS# 592-85-8: Oral, mouse: LD50 = 24500 ug/kg

Oral, rat: LD50 = 46 mg/kg

Skin, rat: LD50 = 685 mg/kg

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

Other: See actual entry in RTECS for complete information.

## Section 12 - Ecological Information

No data 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: Mercury Thiocyanate Mercury Thiocyanate Mercury Thiocyanate			
Hazard Class:	6.1	6.1	6.1
UN Number:	1646	1646	1646
Packing Group:	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.