



## Section 1 - Chemical Product and Company Identification

**Product Name** Ammonium Thiocyanate extrapure AR, 99%  
**Product Code** 81016  
**CAS No** 1762-95-4  
**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#
1762-95-4	Ammonium thiocyanate	<=100	217-175-6

## Section 3 - Hazards Identification

### EMERGENCY OVERVIEW

Harmful by inhalation, in contact with skin and if swallowed. Contact with acids liberates very toxic gas.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Potential Health Effects

**Eye:** May cause eye irritation.

**Skin:** May cause skin irritation. Harmful if absorbed through the skin.

**Ingestion:** Harmful if swallowed. Causes gastrointestinal irritation with nausea, vomiting and diarrhea.

**Inhalation:** Harmful if inhaled. Causes respiratory tract irritation.

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

**Ingestion:** Get medical aid. 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

**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



**Product Code** 81016

**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. Do not let this chemical enter the environment.

## Section 7 - Handling and Storage

**Handling:** Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

**Storage:** Store in a cool, dry place. Store in a tightly closed container. Store protected from light.

## Section 8 - Exposure Control / Personal Protection

**Engineering Controls:** Use adequate ventilation to keep airborne concentrations low.

**Exposure Limits** CAS# 1762-95-4:

United States OSHA: 5 mg/m<sup>3</sup> TWA (Cyanide anion).

Germany: ( cyanide anion): skin notation

Netherlands: ( cyanide anion): 5 mg/m<sup>3</sup> MAC (as CN)

## Personal Protective Equipment

**Eyes:** Wear chemical splash goggles.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**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:** CH<sub>4</sub>N<sub>2</sub>S

**Molecular Weight:** 76.12

## Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures. Hygroscopic: absorbs moisture or water from the air.

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

### Incompatibilities with

**Other Materials :** Exposure to moist air or water, chlorates, lead nitrate, nitrates, nitric acid, organic peroxides, peroxides, potassium chlorates, sodium chlorate.

### Hazardous Decomposition

**Products :** Hydrogen cyanide, nitrogen oxides, carbon monoxide, oxides of sulfur, carbon dioxide, ammonia and/or derivatives.

**Hazardous Polymerization :** Will not occur.

## Section 11 - Toxicological Information



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**Product Code** 81016  
**RTECS#:** CAS# 1762-95-4: XK7875000  
**LD50/LC50:** RTECS: CAS# 1762-95-4:  
Oral, mouse: LD50 = 500 mg/kg;  
Oral, mouse: LD50 = 720 mg/kg;  
Oral, rat: LD50 = 750 mg/kg;  
**Carcinogenicity:** Ammonium thiocyanate - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.  
**Other:** See actual entry in RTECS for complete information. 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
<b>Shipping Name:</b>	Not regulated	Not regulated	Not regulated
<b>Hazard Class:</b>			
<b>UN Number:</b>			
<b>Packing Group:</b>			

## Section 15 - Regulatory Information

### European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases: R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed. R 32 Contact with acids liberates very toxic gas. R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases: S 13 Keep away from food, drink and animal feeding stuffs. S 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

WGK (Water Danger/Protection) CAS# 1762-95-4: 1

Canada CAS# 1762-95-4 is listed on Canada's DSL List

US Federal

TSCA CAS# 1762-95-4 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.