

Section 1 - Chemical Product and Company Identification

Product Name Arsenazo I extrapure AR
Product Code 17299
CAS No 520-10-5
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#
520-10-5	Arsenazo I		208-285-5

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Toxic by inhalation and if swallowed. Very toxic 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. May be harmful if absorbed through the skin.
Ingestion: May cause irritation of the digestive tract. Toxic if swallowed.
Inhalation: May cause respiratory tract irritation. 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:

Antidote:

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). 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: Room temperature. Store in a tightly closed container.

Section 8 - Exposure Control / Personal Protection

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

Exposure Limits CAS# 520-10-5

United Kingdom, WEL - TWA: (arsenic compounds, n.o.s.): 0.1 mg/m3
TWA (except arsine, as As)

United Kingdom, WEL - STEL: (arsenic compounds, n.o.s.): 0.3 mg/m3
STEL (except arsine, as As)

United States OSHA: 0.5 mg/m3 TWA (Arsenic).

Belgium - TWA: (arsenic): 0.01 mg/m3 VLE

Japan: (arsenic compounds, n.o.s.): 3 æg/m3 OEL (reference value, as As)

Malaysia: (arsenic): 0.01 mg/m3 TWA

Netherlands: (arsenic): 0.050 mg/m3 MAC

Spain: (arsenic compounds, n.o.s.): 0.1 mg/m3 VLA-ED (as As)

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: Powder

Molecular Formula: C₁₆H₁₀AsN₂Na₃O₁₁S₂

Molecular Weight: 614.27

Section 10 - Stability and Reactivity

Chemical Stability: Not available

Conditions to Avoid: Incompatible materials.

Incompatibilities with

Other Materials : Strong oxidizing agents.

Hazardous Decomposition

Products : Nitrogen oxides, carbon monoxide, oxides of sulfur, carbon dioxide, oxides of arsenic.

Hazardous Polymerization : Has not been reported.

Section 11 - Toxicological Information

RTECS#: CAS# 520-10-5: None listed
LD50/LC50: RTECS: Not available.
Carcinogenicity: Arsenazo I - IARC: Group 1 carcinogen (Arsenic).
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:	Organoarsenic Compound, Solid, N.O.S.-Arsenazo		
Hazard Class:	6.1	6.1	6.1
UN Number:	3465	3465	3465
Packing Group:	II	II	II

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: T N

Risk Phrases: R 23/25 Toxic by inhalation and if swallowed. R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases: S 20/21 When using do not eat, drink or smoke. S 28A After contact with skin, wash immediately with plenty of water. S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S 60 This material and its container must be disposed of as hazardous waste.

WGK (Water Danger/Protection) CAS# 520-10-5: Not available

US Federal

TSCA CAS# 520-10-5 is not listed on the TSCA Inventory. It is for research and development use only.

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.