



Safety Data Sheet

Review Date: 4-Oct-2024

Section 1 - Chemical Product and Company Identification

Product Name Arsenazo I Trisodium (Neothorone) extrapure AR
Product Code B-00301
CAS No 520-10-5
Use for Laboratory Chemicals.
Company Name Bio-Chem Chemicals
Address 5455, Nicholson Road Science Market ,
Ambala Cantt.133001 Haryana(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



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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: 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.



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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.