



## Material Safety Data Sheet

### Sodium arsenite solutions

#### Section 1 - Chemical Product and Company Identification

**MSDS Name:**

Sodium arsenite solutions

**Catalog Numbers:**

LC22880, LC22900

**Synonyms:**
**Company Identification:**

LabChem, Inc.  
200 William Pitt Way  
Pittsburgh, PA 15238

**Company Phone Number:**

(412) 826-5230

**Emergency Phone Number:**

(800) 424-9300

**CHEMTREC Phone Number:**

(800) 424-9300

#### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	Percent
7732-18-5	Water	balance
7784-46-5	Sodium arsenite	0.5-0.7

#### Section 3 - Hazards Identification

##### EMERGENCY OVERVIEW

*Appearance: Colorless*

*Danger! Highly toxic. Do not get in eyes. Do not get on skin. May cause irritation by all exposure routes.*

*Target Organs: Noneknown.*

##### Potential Health Effects

**Eye:**

Eyecontactmaycauseirritation,conjunctivitis,edemaoftheyelids,cornealnecrosis,visualdisturbances.

**Skin:**

Irritant,neurotoxin.Irritantandsensitizer totheskin.

**Ingestion:**

Ingestionmaycausenausea,vomiting,headache,dizziness,paralysis,gastrointestinaldisturbances,diarrhea, hypotension, convulsions, coma, death.



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### Inhalation:

Inhalation causes weakness, nausea, vomiting, diarrhea, metallic taste in mouth, garlic odor on breath.

### Chronic:

Prolonged or repeated eye contact may cause conjunctivitis. Prolonged inhalation may cause nasal septum perforation, changes in central nervous system which may be irreversible, bronzing of the skin, pins and needles in extremities. Repeated skin contact may cause dermatitis, cancer. Repeated ingestion may affect the central nervous system, skin, gastrointestinal tract, cardiovascular system, kidneys, liver. Loss of sensation in extremities may lead to gangrene. Positively linked to lung and skin cancer.

## Section 4 - First Aid Measures

### Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids until no evidence of chemical remains. Get medical aid at once.

### Skin:

Get medical aid. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes.

### Ingestion:

Get medical aid at once. If victim is unconscious, perform gastric lavage or emesis followed by a saline cathartic.

### Inhalation:

Give artificial respiration if necessary. Get medical aid. Keep victim warm, at rest. Move victim to fresh air.

### Notes to Physician:

Treat symptomatically and supportively.

## Section 5 - Fire Fighting Measures

### General Information:

Negligible fire and explosion hazard when exposed to heat or flame. Move container if possible, avoid breathing vapors or dust.

### Extinguishing Media:

For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

### Autoignition Temperature:

No information found.

### Flash Point:

No information found.

### NFPA Rating:

CAS# 7732-18-5: Not published.

CAS# 7784-46-5: Not published.

### Explosion Limits:

Lower:      Upper:

## Section 6 - Accidental Release Measures

### General Information:

Use proper personal protective equipment as indicated in Section 8.



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### Spills/Leaks:

Absorb spills with absorbent (vermiculite, sand, fuller's earth) and place in plastic bags for later disposal. Federal disposal in accordance with 40 CFR, part 262. EPA hazardous waste number D004. Add ferric chloride to spill. Contain spill and neutralize with sodium bicarbonate or lime.

## Section 7 - Handling and Storage

### Handling:

Wash thoroughly after handling. Avoid breathing dust, vapor, mist, or gas.

### Storage:

Store capped at room temperature. Protect from heat and incompatibles.

## Section 8 - Exposure Controls, Personal Protection

### Engineering Controls:

Provide local exhaust or general dilution ventilation. Provide local exhaust ventilation to meet OSHA exposure limits.

### Exposure Limits

Chemical Name:	ACGIH	NIOSH	OSHA
Water	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.
Sodium arsenite	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.

### OSHA Vacated PELs

## Personal Protective Equipment

### Eyes:

Do not wear contact lenses when working with chemicals. An eye wash fountain should be available in the immediate work area. Wear splash-proof safety goggles.

### Skin:

Wear appropriate protective gloves to prevent skin exposure.

### Clothing:

Wear appropriate protective clothing to prevent skin exposure.

### Respirators:

Not required for normal use. Firefighting--any self-contained breathing apparatus with full facepiece operated in pressure-demand mode.

## Section 9 - Physical and Chemical Properties

**Physical State:** Clear liquid

**Color:** Colorless

**Odor:** Odorless

**pH:** No information found.

**Vapor Pressure:** No information found.

**Vapor Density:** > air

**Evaporation Rate:** < ether



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**Viscosity:** No information found.

**Boiling Point:** > 212°F (> 100.00°C)

**Freezing/Melting Point:** < 32°F (< 0.00°C)

**Decomposition Temperature:** No information found.

**Solubility in water:** Soluble.

**Specific Gravity/Density:** 1.0

**Molecular Formula:** No information found.

**Molecular Weight:** No information found.

## Section 10 - Stability and Reactivity

### Chemical Stability:

Stable under normal temperatures and pressures.

### Conditions to Avoid:

None reported.

### Incompatibilities with Other Materials

None.

### Hazardous Decomposition Products

Arsine.

### Hazardous Polymerization

Has not been reported

## Section 11 - Toxicological Information

### RTECS:

CAS# 7732-18-5: ZC0110000.

CAS# 7784-46-5: CG3675000.

### LD50/LC50:

CAS# 7732-18-5:

Oral, rat: LD50 = >90 mL/kg.

CAS# 7784-46-5:

Oral, rat: LD50 = 41 mg/kg

Skin, rat: LD50 = 150 mg/kg.

### Carcinogenicity:

CAS# 7732-18-5: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 7784-46-5: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.



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**Epidemiology:**  
**Teratogenicity:**  
**Reproductive:**  
**Mutagenicity:**  
**Neurotoxicity:**

**Section 12 - Ecological Information**

No information found.

**Section 13 - Disposal Considerations**

Dispose of in accordance with Federal, State, and local regulations.

**Section 14 - Transport Information**

**US DOT**

**Shipping Name:** Not regulated.

**Hazard Class:**

**UN Number:**

**Packing Group:**

**Section 15 - Regulatory Information**

**US Federal**

**TSCA**

CAS#7732-18-5 is listed on the TSCA Inventory.

CAS#7784-46-5 is listed on the TSCA Inventory.

**SARA Reportable Quantities (RQ)**

CAS#7784-46-5: final RQ = 1 pound (0.454 kg)

**CERCLA/SARA Section 313**

None of the components are on this list.

**OSHA - Highly Hazardous**

None of the components are on this list.

**US State**

**State Right to Know**

Sodium arsenite can be found on the following state Right-to-Know lists: California, New Jersey, Pennsylvania, Massachusetts.

**California Regulations**

**European/International Regulations**



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### Canadian DSL/NDSL

CAS# 7732-18-5 is listed on Canada's DSL List.

CAS# 7784-46-5 is listed on Canada's DSL List.

### Canada Ingredient Disclosure List

CAS# 7732-18-5 is not listed on Canada's Ingredient Disclosure List.

CAS# 7784-46-5 is listed on Canada's Ingredient Disclosure List.

## Section 16 - Other Information

MSDS Creation Date: August 20, 1998

Revision Date: August 30, 2007

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