ISO9001:2000 Certified

# Material Safety Data Sheet
## Hydroxylamine-EDTA

## Section 1 - Chemical Product and Company Identification

**MSDS Name:**

Hydroxylamine-EDTA

**Catalog Numbers:**

LC15510

**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 |
| 5470-11-1 | Hydroxylamine, hydrochloride | 2.5 |
| 6381-92-6 | Disodium dihydrogen ethylenediaminetetraacetatedihyd | 0.9 |

## Section 3 - Hazards Identification

### EMERGENCY OVERVIEW

*Appearance: Colorless*
*Caution! May cause irritation with possible injury by all exposure routes.*
*Target Organs: None known.*

### Potential Health Effects

**Eye:**

Conjunctivitis and corneal damage is possible to the eye.

**Skin:**

Dermatitis, irritation, redness and pain can occur to the skin.

**Ingestion:**

Ingestion symptoms are like inhalation and include methemoglobin formation with anemia and jaundice occurring. Ingestion may cause irritation to gastrointestinal tract, nausea, vomiting, diarrhea.

**Inhalation:**

Inhalation may result in cyanosis, headache, dyspnea, dizziness, nausea, vomiting, stupor and convulsions with jaundice, anemia, and painful urination from severe exposure. May cause coughing and mucous membrane irritation.

**Chronic:**

May cause dermatitis and conjunctivitis. Prolonged exposure may result in nervous system, liver, kidney and bone marrow damage. Weight loss, anemia and weakness may occur; dermatitis and conjunctivitis with corneal damage can occur.

## 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. This may be followed with repeated irrigation using normal saline solution (about 0.85%).

**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 vomiting occurs, keep head lower than hips to prevent aspiration. If victim is conscious, give 2-4 glasses of water to dilute material.

**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# 5470-11-1: Not published.
CAS# 6381-92-6: Not published.

**Explosion Limits:**

Lower: Upper:

# Material Safety Data Sheet
## Hydroxylamine-EDTA

## Section 6 - Accidental Release Measures

**General Information:**

Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Absorb spills with absorbent (vermiculite, sand, fuller's earth) and place in plastic bags for later disposal.

## 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.

**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. |
| **Hydroxylamine, hydrochloride** | None of the components are on this list. | None of the components are on this list. | None of the components are on this list. |
| **Disodium dihydrogen ethylenediaminetetraacetatedihydrate** | 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

# Material Safety Data Sheet
## Hydroxylamine-EDTA

| | |
|---|---|
| **Color:** | Colorless |
| **Odor:** | Odorless |
| **pH:** | Acidic |
| **Vapor Pressure:** | No information found. |
| **Vapor Density:** | No information found. |
| **Evaporation Rate:** | No information found. |
| **Viscosity:** | No information found. |
| **Boiling Point:** | No information found. |
| **Freezing/Melting Point:** | No information found. |
| **Decomposition Temperature:** | No information found. |
| **Solubility in water:** | No information found. |
| **Specific Gravity/Density:** | No information found. |
| **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:

Incompatible materials, extreme temperatures.

### Incompatibilities with Other Materials

No information found.

### Hazardous Decomposition Products

Chlorine, oxides of nitrogen, ammonia, hydrochloric acid.

### Hazardous Polymerization

Has not been reported

## Section 11 - Toxicological Information

### RTECS:

CAS# 7732-18-5: ZC0110000.
CAS# 5470-11-1: NC3675000.
CAS# 6381-92-6: AH4410000.

### LD50/LC50:

CAS# 7732-18-5:
Oral, rat: LD50 = >90 mL/kg.
CAS# 5470-11-1:
Oral, mouse: LD50 = 408 mg/kg.
CAS# 6381-92-6:
No information found.

### Carcinogenicity:

CAS# 7732-18-5: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.
CAS# 5470-11-1: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.
CAS# 6381-92-6: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

**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# 5470-11-1 is listed on the TSCA Inventory.
CAS# 6381-92-6 is not on the TSCA Inventory, however, its anhydrous form is on the inventory and so this hydrate is exempt from TSCA Inventory requirements (40CFR270.3(u)(2)).

#### SARA Reportable Quantities (RQ)

None of the components are on this list.

#### 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

#### California Regulations

### European/International Regulations

### Canadian DSL/NDSL

CAS# 7732-18-5 is listed on Canada's DSL List.
CAS# 5470-11-1 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# 5470-11-1 is not listed on Canada's Ingredient Disclosure List.
CAS# 6381-92-6 is not listed on Canada's Ingredient Disclosure List.

## Section 16 - Other Information

MSDS Creation Date: November 29, 1998
Revision Date: September 10, 2007

*Information in this MSDS is from available published sources and is believed to be accurate. No warranty, express or implied, is made and LabChem Inc. assumes no liability resulting from the use of this MSDS. The user must determine suitability of this information for his application.*