



## Safety Data Sheet

According to Regulation (EC) No. 1907/2006  
OSHA Regulation 29 CFR 1910.1200  
Canadian Regulation SOR/88-66

**Revision Date:** 2016-04-12  
**Reason for Revision:** Section 3 updated

### **SECTION 1: IDENTIFICATION OF THE PRODUCT AND COMPANY**

**Product Name:** HI 3812-0 EDTA Solution

**Application:** Determination of hardness in water samples.

**Company Information (USA):**

Hanna Instruments, Inc.  
584 Park East Dr, Woonsocket, Rhode Island, USA 02895

**Technical Service Contact Information:**

1-800-426-6287 (8:30AM - 5:00PM ET)  
+1-401-766-4260 (8:30AM - 5:00PM ET)

**USA Emergency Contact Information:**

1-800-424-9300 (Chemtrec 24Hr. Emergency)

**International Emergency Contact Information:**

+1-703-527-3887 (Chemtrec 24Hr. Emergency)

**E-mail Address:**

tech@hannainst.com

### **SECTION 2: HAZARD IDENTIFICATION**

Non-hazardous product as specified in OSHA Regulation 29 CFR 1910.1200.

Non-hazardous product as specified in Canadian Regulation SOR/88-66.

Non-hazardous product as specified in Regulation (EC) 1272/2008.

### **SECTION 3: COMPOSITION AND COMPONENT INFORMATION**

<b>Component:</b>	<b>EC No:</b>	<b>CAS No:</b>	<b>Hazard Class:</b>	<b>Phrases:</b>	<b>Concentration:</b>
Water	231-791-2	7732-18-5	-	-	> 99.9%
Disodium dihydrogen ethylenediaminetetraacetate dihydrate	-	6381-92-6	-	-	< 0.1%

### **SECTION 4: FIRST AID MEASURES**

**After Inhalation:** Remove to fresh air.

**After Skin Contact:** Wash off with plenty of water.

**After Eye Contact:** Rinse out with water.

**After Swallowing:** wash out mouth thoroughly with Water and give plenty of water to drink. In severe cases obtain medical attention.

**General Information:** Not available

### **SECTION 5: FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media:**

Water spray, foam, dry powder or carbon dioxide.

**Special Risks:**

NA

**Special Protective Equipment:**

Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.

**Additional Information:**

Non-combustible.

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Do not inhale vapors. Avoid substance contact.

**Environmental Precautions:**

None.

**Additional Notes:**

None

**SECTION 7: HANDLING AND STORAGE****Handling:**

No further requirements.

**Storage:**

Tightly closed. Store at room temperature (+15°C to +25°C recommended). Protect from light and moisture.

**SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION****Engineering:**

Maintain general industrial hygiene practice.

**Personal Protective Equipment:**

As appropriate to quantity handled.

**Respiratory Protection:**

Required when vapors/aerosols are generated. Work under hood.

**Protective Gloves:**

Rubber or plastic

**Eye Protection:**

Goggles or face mask

**Industrial Hygiene:**

Change contaminated clothing. Wash hands after working with substance.

**SECTION 9: PHYSICAL/CHEMICAL PROPERTIES****Appearance:** Liquid**Odor:** Odorless**Density at 20°C:** 1 g/cm<sup>3</sup>**Melting Point:** NA**Boiling Point:** NA**Solubility:** Soluble**pH at 20°C:** 4.5**Explosion Limit:** NA**Flash Point:** NA**Thermal Decomp.:** NA**SECTION 10: STABILITY AND REACTIVITY****Conditions to be Avoided:**

Strong heating.

**Hazardous Polymerization:**

Will not occur.

**Further Information:**

Not available

**Hazardous Decomposition Products:**

In the event of fire: see section 5.

**Substances to be Avoided:**

The generally known reaction partners of water.

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## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **Product Toxicity**

Quantitative data on the toxicity of this product are not available.

#### **Potential Health Effects:**

**Inhalation:** Slight irritations.

**Skin Contact:** Slight irritations.

**Eye Contact:** Slight irritations.

**Ingestion:** disturbed electrolyte balance, severe irritations in esophagus and stomach, bloody vomiting. After absorption in large amounts: drop in blood pressure, paralysis symptoms, agitation.

**Further Data:** Further hazardous properties cannot be excluded. The product should be handled with the care usual when dealing with chemicals.

### **Component Toxicity**

#### **Acute Toxicity:**

Not Available

#### **Chronic Toxicity:**

Not Available

#### **Additional Data:**

Not Available

## **SECTION 12: ECOLOGICAL INFORMATION**

Quantitative data on the ecological effect of this product are not available.

**Further Data:** No ecological problems are to be expected when the product is handled and used with due care and attention.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal:** Can be safely disposed of as ordinary refuse.

## **SECTION 14: TRANSPORTATION INFORMATION**

#### **Land:**

Not subject to transport regulations

#### **Sea:**

Not subject to transport regulations

#### **Air:**

Not subject to transport regulations

## **SECTION 15: REGULATORY INFORMATION**

Complies with European Regulations (EC) No. 1907/2006 and No. 1272/2008.

Complies with OSHA Regulation 29 CFR 1910.1200.

Complies with Canadian Regulation SOR/88-66.

All chemical substances in this product are listed on the TSCA Inventory.

## **SECTION 16: OTHER INFORMATION**

### **Text of phrases under Section 3**

NA

### **Revision Information**

**Revision Date:** 2016-04-12

**Supersedes edition of:** 2013-06-11

**Reason for revision:** Section 3 updated

**Legend**  
NA: Not Applicable  
ND: Not Determined

**THE INFORMATION CONTAINED HEREIN IS BASED ON THE PRESENT STATE OF OUR KNOWLEDGE. IT CHARACTERIZES THE PRODUCT WITH REGARD TO THE APPROPRIATE SAFETY PRECAUTIONS. IT DOES NOT REPRESENT A GUARANTEE OF THE PROPERTIES OF THE PRODUCT.**