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**HI 3812-0**  
**HI 3812-0 EDTA Solution**  
**Safety Data Sheet**

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

**Revision Date:** 2009-06-10

**Reason for Revision:** 29 CFR 1910.1200 and SOR/88-66 Compliance

**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 Directives 67/548/EEC and 1999/45/EC.

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

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

**SECTION 3: COMPOSITION AND COMPONENT INFORMATION**

**Component:**

**EC-No.:**

**CAS-No.:**

**Hazard:**

**Phrases:**

**Content:**

**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.



## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### ***Personal Precautions:***

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 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.

### **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**

#### **Labeling according to EC Directives:**

Non-hazardous according to Directives 67/548/EEC and 1999/45/EC.

### **SECTION 16: OTHER INFORMATION**

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

NA

#### **Revision Information**

**Revision Date:** 2009-06-10

**Supersedes edition of:** 2008-12-01

**Reason for revision:** 29 CFR 1910.1200 and SOR/88-66 Compliance

#### **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.**