



## Safety Data Sheet

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

**Revision Date:** 2011-12-20

**Reason for Revision:** (1st edition)

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

**Product Name:** HI 9829-14 10 ppm Nitrate Standard (as N)

**Additional Product Codes:** HI 9829-14/15

**Application:** Calibration of HI 7609829-12 Nitrate ISE

**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.

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

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

Aqueous Solution

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

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

**After Skin Contact:** Wash affected area with water and soap.

**After Eye Contact:** Rinse out with plenty of water for at least 15 minutes. If pain persists, summon medical advice.

**After Swallowing:** Drink plenty of water. Obtain medical attention if feeling unwell.

**General Information:** No special precautionary measures are necessary.

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

**Suitable Extinguishing Media:**

Water spray, Carbon Dioxide, Dry Chemical Powder, Appropriate Foam

**Special Risks:**

Non-combustible. Specific Hazard(s): Emits toxic fumes under fire conditions. The following may develop in event of fire: Nitrogen Oxides

**Special Protective Equipment:**

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

**Additional Information:**

NA

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Do not inhale vapors/aerosols. Avoid substance contact.

**Environmental Precautions:**

None

**Additional Notes:**

None

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

No restrictions

**Storage:**

Store at room temperature (+15°C to +25°C recommended).

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

Maintain general industrial hygiene practice.

**Personal Protective Equipment:**

Not required

**Respiratory Protection:**

Required when vapors/aerosols are generated.

**Protective Gloves:**

Rubber or plastic

**Eye Protection:**

Chemical safety goggles.

**Industrial Hygiene:**

Wash thoroughly after handling.

**SECTION 9: PHYSICAL/CHEMICAL PROPERTIES****Appearance:** Colorless liquid**Odor:** Odorless**Density at 20 °C:** 1.0 g/cm<sup>3</sup>**Melting Point:** 0 °C**Boiling Point:** ~100 °C**Solubility:** Soluble**pH at 20 °C:** ~ 7**Explosion Limit:** NA**Flash Point:** NA**Thermal Decomp.:** NA**SECTION 10: STABILITY AND REACTIVITY****Conditions to be Avoided:**

Strong Heating (above boiling point). Stable in the recommended storage conditions.

**Hazardous Polymerization:**

Will not occur.

**Further Information:**

Not available

**Hazardous Decomposition Products:**

Nitrogen Oxides

**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 is not available.

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

**Inhalation:** Slight irritations.

**Eye Contact:** Slight irritations.

**Further Data:** No toxic effects are to be expected when the product is handled appropriately.

#### **Component Toxicity**

##### **Acute Toxicity:**

Not Available

##### **Chronic Toxicity:**

Not Available

##### **Additional Data:**

Not Available

### **SECTION 12: ECOLOGICAL INFORMATION**

Quantitative data on the ecotoxicity of this product is not available.

### **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 European Council Directives 67/548/EEC and 1999/45/EC.  
 Complies with OSHA Regulation 29 CFR 1910.1200.  
 Complies with Canadian Regulation SOR/88-66

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

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

NA

#### **Revision Information**

**Revision Date:** 2011-12-20

**Supersedes edition of:** (1st edition)

**Reason for revision:** (1st edition)

**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.**