



# 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 9829-10 10 ppm Ammonium Standard (as N)      **Additional Product Codes:** HI 9829-10/11

**Application:** Calibration of HI 7609829-10 Ammonium 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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### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:**

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:** ~ 4

**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 Decomposition Products:**

Nitrogen Oxides

**Hazardous Polymerization:**

Will not occur.

**Substances to be Avoided:**

The generally known reaction partners of water

**Further Information:**

Not available

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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.**