

Revision Date: 2008-12-01

Reason for Revision: REACH Compliance and General Update

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

**Product Name:** HI 7021 ORP Solution

**Additional Product Codes:** HI 7021L

**Application:** ORP Solution for Platinum and Gold Electrodes.  
240 mV @ 25°C/77°F

HI 7021M

HI 7021/G

**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.

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

**Component:** Aqueous Solution

**EC-No.:**

**CAS-No.:**

**Hazard:**

**Phrases:**

**Content:**

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

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

**After Skin Contact:** Wash effected area 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:** Remove contaminated, soaked clothing immediately and dispose of safely.

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

**Suitable Extinguishing Media:**

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

**Special Risks:**

Non-combustible.

**Special Protective Equipment:**

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

**Additional Information:**

NA

**SECTION 6: ACCIDENTAL RELEASE MEASURES****Personal Precautions:**

Avoid formation of dusts. Do not inhale dusts. Avoid substance contact.

**Environmental Precautions:**

Do not discharge into the drains/surface waters/groundwater.

**Additional Notes:**

Take up dry. Clean up affected area and dispose according to local regulation. Avoid generation of dusts.

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

Cannot be stored indefinitely.

**Storage:**

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

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

Maintain general industrial hygiene practice.

**Personal Protective Equipment:**

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances 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:** Yellow liquid

**Odor:** Odorless

**Density at 20° C:** ~ 1 g/cm<sup>3</sup>

**Melting Point:** NA

**Boiling Point:** ND

**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

**Hazardous Polymerization:**

Will not occur.

**Further Information:**

Not available

**Hazardous Decomposition Products:**

None

**Substances to be Avoided:**

The generally known reaction partners of water

**SECTION 11: TOXICOLOGICAL INFORMATION**

No toxic effects are to be expected when the product is handled appropriately.

**In Case of Inhalation:**

**In Case of Skin Contact:**

**In Case of Eye Contact:**

**In Case of Ingestion:**

**Further Data:**

**SECTION 12: ECOLOGICAL INFORMATION**

No environmental hazard.

**Further Data:** Can be safely disposed off as an ordinary refuse.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal:**

**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:**

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

**R-phrases:**

**S-phrases:**

**Contains:**

**SECTION 16: OTHER INFORMATION**

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

***Revision Information***

***Legend***

**Revision Date:** 2008-12-01

NA: Not Applicable

**Supersedes edition of:** 2008-01-17

ND: Not Determined

**Reason for revision:** REACH Compliance and General Update

**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.**