

**Revision Date:** 2008-12-01  
**Reason for Revision:** REACH Compliance and General Update

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

**Product Name:** HI 93707-0 Nitrite Low Range Reagent  
**Application:** Determination of Nitrite in Water Samples

**Additional Product Codes:** HI 93707-01  
HI 93707-03  
HI 38051-100

**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**

<b>Component:</b>	Sulfanilic Acid, Sodium Salt Hydrate	Trans-1,2-Diaminocyclohexane-N, N, N', N'-Tetracetic Acid Monohydrate
<b>EC-No.:</b>	204-482-5	
<b>CAS-No.:</b>	123333-70-0	236-308-9
<b>Hazard:</b>	Xi	123333-90-4
<b>Phrases:</b>	R: 36/37/38	Xi
<b>Content:</b>	> 10% - < 20%	R: 36/37/38 > 1% - < 10%

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

**After Inhalation:** Remove to fresh air.  
**After Skin Contact:** Wash effected area with plenty of water. Remove contaminated clothing.  
**After Eye Contact:** Rinse out with plenty of water. If pain persists, summon medical advice.  
**After Swallowing:** Drink plenty of water, induce vomiting. Obtain medical attention.  
**General Information:** Remove contaminated, soaked clothing immediately and dispose of safely.

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

**Suitable Extinguishing Media:**

Foam, Powder, Dry Sand

**Special Risks:**

Development of hazardous combustion gases or vapors possible in the event of fire. The following may develop in event of fire: Nitrogen Oxides, Sulfur Oxides

**Special Protective Equipment:**

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

**Additional Information:**

Contain escaping vapors with water. Prevent fire-fighting water from entering surface water or groundwater.

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

Avoid generation of dusts. Do not inhale dusts.

**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.

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

Accessible only for authorized persons.

**Storage:**

Store at room temperature (+15 to +25 °C). Tightly closed in a dry and well-ventilated place. Keep away from sources of ignition and heat.

**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 dusts 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**

<b>Appearance:</b>	White powder	<b>Odor:</b>	Odorless	<b>Density at 20° C:</b>	NA
<b>Melting Point:</b>	NA (decomposition)	<b>Boiling Point:</b>	NA	<b>Solubility:</b>	Soluble
<b>pH at 20° C:</b>	~ 3.1 at 11 g/L in water	<b>Explosion Limit:</b>	NA	<b>Flash Point:</b>	NA
<b>Thermal Decomp.:</b>	NA				

**SECTION 10: STABILITY AND REACTIVITY****Conditions to be Avoided:**

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:**

Acids

**SECTION 11: TOXICOLOGICAL INFORMATION**

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

**In Case of Inhalation:** Irritations. Other possible symptoms are: coughing, dyspnoea.

**In Case of Skin Contact:** Slight irritations.

**In Case of Eye Contact:** Slight irritations.

**In Case of Ingestion:** Mucosal irritations

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

**SECTION 12: ECOLOGICAL INFORMATION**

Quantitative data on the ecological effect of this product is 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:** Chemical residues are generally classified as special waste and thus covered by local regulations. Contact local authorities or disposal companies for advice. Handle contaminated packaging in the same way as the substance itself.

**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:** 22-24/25: Do not breathe dust. Avoid contact with skin and eyes.

**Contains:**

**SECTION 16: OTHER INFORMATION**

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

36/37/38: Irritating to eyes, respiratory system and skin.

***Revision Information***

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

**Supersedes edition of:** 2008-01-03

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

***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.**