

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

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

**Product Name:** HI 4011-01 0.10 M Iodide Standard

**Additional Product Codes:**

**Application:** Iodide Standard Solution

**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:** Sodium Iodide

**EC-No.:** 231-679-3

**CAS-No.:** 7681-82-5

**Hazard:** Xi

**Phrases:** R: 36/38

**Content:** < 2.0%

**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 plenty of water with the eyelid held wide open.

**After Swallowing:** Drink large amounts of water. Consult physician.

**General Information:** Not available

**SECTION 5: FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media:**

Water Spray, Foam, Dry Powder, Carbon Dioxide

**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:**

Contain escaping vapors with water.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:**

Avoid substance contact.

**Environmental Precautions:**

None

**Additional Notes:**

None

**SECTION 7: HANDLING AND STORAGE**

**Handling:**

No restrictions

**Storage:**

Cannot be stored indefinitely. Keep container closed and protected from direct sunlight. Store at room temperature (+15°C to +25°C).

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

**Ingredients:**

EC  
 Name: Sodium Iodide  
 Sensitization: Danger of sensitization of the skin

**Engineering:**

Maintain general industrial hygiene practice.

**Personal Protective Equipment:**

As appropriate to quantity handled.

**Respiratory Protection:**

Required when vapors/aerosols are generated.

**Protective Gloves:**

Rubber or plastic

**Eye Protection:**

Safety glasses

**Industrial Hygiene:**

Change contaminated clothing. Wash hands after working with substance.

**SECTION 9: PHYSICAL/CHEMICAL PROPERTIES**

**Appearance:** Colorless liquid

**Odor:** Odorless

**Density at 20° C:** NA

**Melting Point:** NA

**Boiling Point:** NA

**Solubility:** Soluble

**pH at 20° C:** ~ 5.5 – 7.5

**Explosion Limit:** NA

**Flash Point:** NA

**Thermal Decomp.:** NA

**SECTION 10: STABILITY AND REACTIVITY**

**Conditions to be Avoided:**

Heating

**Hazardous Polymerization:**

Will not occur.

**Further Information:**

Not available

**Hazardous Decomposition Products:**

Toxic fumes of iodide upon heating to decomposition

**Substances to be Avoided:**

BF<sub>3</sub>, ClF<sub>3</sub>, FClO<sub>4</sub>

**SECTION 11: TOXICOLOGICAL INFORMATION**

APPLICABLE TO PARTIAL COMPONENT:

Route of Exposure: Red irritated skin, weakness, loss of weight, and general depression.

Teratogen Status: None

Mutagen Status: None

Reproductive Toxicity: None

Carcinogenic Status: None

**In Case of Inhalation:****In Case of Skin Contact:****In Case of Eye Contact:****In Case of Ingestion:****Further Data:****SECTION 12: ECOLOGICAL INFORMATION**

None available

**Further Data:****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:** 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.**Contains:** Sodium Iodide

**SECTION 16: OTHER INFORMATION**

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

36/38: Irritating to eyes and skin.

***Revision Information***

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

**Supersedes edition of:** 2007-08-06

**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.**