

**Safety Data Sheet**According to Regulation (EC) No. 1907/2006  
OSHA Regulation 29 CFR 1910.1200  
Canadian Regulation SOR/88-66**Revision Date:** 2013-06-14**Reason for Revision:** Regulation (EC) No. 1272/2008 Compliance**SECTION 1: IDENTIFICATION OF THE PRODUCT AND COMPANY****Product Name:** HI 70404-0 Potassium Iodide**Application:** For Chemical Analysis**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.

**According to Directives 67/548/EEC and 1999/45/EC:****S-phrases:** 22-24/25: Do not breathe dust. Avoid contact with skin and eyes.**SECTION 3: COMPOSITION AND COMPONENT INFORMATION**

Mixture of Crystalline Powders

**SECTION 4: FIRST AID MEASURES****After Inhalation:** Remove to fresh air. Call a physician if breathing becomes difficult.**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:** Wash out mouth with plenty of water, provided person is conscious. Obtain medical attention if feeling unwell.**General Information:** Not available**SECTION 5: FIRE-FIGHTING MEASURES****Suitable Extinguishing Media:**

Water Spray, Foam, Dry Powder, Carbon Dioxide

**Special Risks:**Non-combustible. Development of hazardous combustion gases or vapours possible in the event of fire. 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:**

Contain escaping vapors with water.

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## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:**

None

**Environmental Precautions:**

None

**Additional Notes:**

None

## **SECTION 7: HANDLING AND STORAGE**

**Handling:**

No restrictions

**Storage:**

Keep container closed and protected from direct sunlight. Store at room temperature (+15°C to +25°C).

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

**Engineering:**

Maintain general industrial hygiene practice.

**Personal Protective Equipment:**

As appropriate to quantity handled.

**Respiratory Protection:**

Required when dusts are generated.

**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:** White powder

**Odor:** Odorless

**Density at 20°C:** ND

**Melting Point:** NA

**Boiling Point:** ND

**Solubility:** Soluble

**pH at 20°C:** 6.3 @ 30 g/L

**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:**

Slightly hygroscopic.

**Hazardous Decomposition Products:**

In the event of fire: See section 5.

**Substances to be Avoided:**

Alkali metals, ammonia, halogen-halogen compounds, fluorine, hydrogen peroxide, oxidizing agent

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### **SECTION 11: TOXICOLOGICAL INFORMATION**

#### **Product Toxicity**

Acute toxicity  
LD50 (oral, rat): 2779 mg/kg.  
Specific symptoms in animal studies:  
Eye irritation test (rabbit): Slight irritations (HSDB).  
Subacute to chronic toxicity  
No indication of carcinogenic activity.  
Bacterial mutagenicity: Salmonella typhimurium: negative (Lit.).  
Bacterial mutagenicity: Escherichia coli: negative.

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

**Skin Contact:** Absorption.  
**Eye Contact:** Slight irritations.  
**Ingestion:** Absorption via: gastrointestinal tract. Other notes: After absorption of toxic quantities: drop in blood pressure, paralysis symptoms, agitation, vomiting.  
**Further Data:** The following applies to iodides in general: Sensitization possible in predisposed persons. The product should be handled with the usual care when dealing with chemicals.

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#### **Component Toxicity**

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

Not Available

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

Not Available

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

Not Available

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

Biologic degradation:  
Methods for the determination of biodegradability are not applicable to inorganic substances.  
Behavior in environmental compartments:  
Distribution: log Pow: 0.04 (calculated).  
No bioaccumulation is to be expected (log Pow <1).  
Ecotoxic effects:  
Biological effects:  
Fish toxicity: Onchorhynchus mykiss LC50: 8960 mg/L /96 h (ECOTOX Database).

**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:** 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

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

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

NA

***Revision Information***

**Revision Date:** 2013-06-14

**Supersedes edition of:** 2012-06-01

**Reason for revision:** Regulation (EC) No. 1272/2008  
Compliance

***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.**