

**Revision Date:** 2010-12-01  
**Reason for Revision:** Regulation (EC) No. 1272/2008 Compliance

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

**Product Name:** HI 70468-0 Potassium Iodide Powder

**Application:** Determination of Chlorine in Water Samples

**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**

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.

**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:**

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 vapors/aerosols 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:** 3.1 g/cm<sup>3</sup>**Melting Point:** NA**Boiling Point:** 100 °C**Solubility:** Soluble**pH at 20 °C:** 6.2 @ 10 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

# Safety Data Sheet

According to Regulation (EC) No. 1907/2006  
OSHA Regulation 29 CFR 1910.1200  
Canadian Regulation SOR/88-66

## **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.  
Subacute to chronic toxicity  
No indication of carcinogenic activity.  
Bacterial mutagenicity: Salmonella typhimurium: negative.  
Bacterial mutagenicity: Escherichia coli: negative.  
Further toxicological information  
After skin contact: absorption.  
After eye contact: Slight irritations.  
After swallowing: Absorption via: gastrointestinal tract. Other notes: After absorption of toxic quantities: drop in blood pressure, paralysis symptoms, agitation, vomiting.  
Other notes:  
The following applies to iodides in general: Sensitization possible in predisposed persons

### **Potential Health Effects:**

**Further Data:** The product should be handled with the usual care when dealing with chemicals.

### **Component Toxicity**

#### **Acute Toxicity:**

Not Available

#### **Chronic Toxicity:**

Not Available

#### **Additional Data:**

Not Available

## **SECTION 12: ECOLOGICAL INFORMATION**

The following data apply to main component:  
Biologic degradation:  
Methods for the determination of biodegradability are not applicable to inorganic substances.  
Ecotoxic effects:  
Biological effects:  
Fish toxicity: Onchorhynchus mykiss LC50: 3200 mg/L /120 h.

**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

**Safety Data Sheet**

According to Regulation (EC) No. 1907/2006  
OSHA Regulation 29 CFR 1910.1200  
Canadian Regulation SOR/88-66

**SECTION 16: OTHER INFORMATION*****Text of phrases under Section 3***

NA

***Revision Information*****Revision Date:** 2010-12-01**Supersedes edition of:** 2009-06-10**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.**