

**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 7111 LiCl Replacement Salt

**Application:** RH calibration, 11.1% RH

**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**

Harmful if swallowed. Irritating to eyes, respiratory system and skin.

**According to Regulation (EC) No. 1272/2008:**

**Classification:** Acute Toxicity, Oral (Category 4)  
Skin Irritation (Category 2)  
Eye Irritation (Category 2)  
Specific Target Organ Toxicity, Single Exposure (Category 3)

**Signal Word:** **Warning**

**Pictograms:**



**Hazard Statements:** H302: Harmful if swallowed.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H335: May cause respiratory irritation.

**Precaution Statements:** P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**According to Directives 67/548/EEC and 1999/45/EC:**

**Symbol:** Xn: Harmful  
Xi: Irritant

**R-phrases:** 22-36/37/38: Harmful if swallowed. Irritating to eyes, respiratory system and skin.

**S-phrases:** 26-36-22: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing. Do not breathe dust.

**SECTION 3: COMPOSITION AND COMPONENT INFORMATION**

Component:	EC No:	CAS No:	Hazard Class:	Phrases:	Concentration:
Lithium chloride	231-212-3	7447-41-8	Acute Tox. 4 Skin Irrit. 2 Eye Irrit. 2 STOT SE 3	H302, H315, H319, H335 R: 22-36/37/38	-

**SECTION 4: FIRST AID MEASURES**

- After Inhalation:** Remove from exposure, rest and keep warm. In severe cases, obtain medical attention.
- After Skin Contact:** Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use. In severe cases, obtain medical attention
- After Eye Contact:** Irrigate thoroughly with water. If discomfort persists, obtain medical attention.
- After Swallowing:** Wash out mouth thoroughly with water and give plenty of water to drink. In severe cases, obtain medical attention.
- General Information:** Not available

**SECTION 5: FIRE-FIGHTING MEASURES**

- Suitable Extinguishing Media:**  
Water spray, Carbon Dioxide, Dry Chemical Powder, Appropriate Foam
- Special Risks:**  
May evolve toxic fumes in fire.
- Special Protective Equipment:**  
NA
- Additional Information:**  
NA

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

- Personal Precautions:**  
Wear appropriate protective clothing.
- Environmental Precautions:**  
If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposal company.
- Additional Notes:**  
None

**SECTION 7: HANDLING AND STORAGE**

- |   |  |
|---|--|
| <b>Handling:</b><br>Under no circumstances eat or drink while handling this material. Wash hands and face after working with material | <b>Storage:</b><br>Store at room temperature (@ 15-25°C). Protect from direct sunlight and moisture. Keep container well closed. Keep away from children |
|---|--|

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

- Engineering:**  
Maintain general industrial hygiene practice.
- Personal Protective Equipment:**  
As appropriate to quantity handled
- |   |  |   |
|---|--|---|
| <b>Respiratory Protection:</b><br>Dust respirator | <b>Protective Gloves:</b><br>Rubber or plastic | <b>Eye Protection:</b><br>Goggles/face shield |
|---|--|---|
- Industrial Hygiene:**  
Change contaminated clothing. Wash hands after working with substance.

**SECTION 9: PHYSICAL/CHEMICAL PROPERTIES**

<b>Appearance:</b>	White solid	<b>Odor:</b>	Odorless	<b>Density at 20 °C:</b>	NA
<b>Melting Point:</b>	613 °C	<b>Boiling Point:</b>	1383 °C	<b>Solubility:</b>	Very Soluble
<b>pH at 20 °C:</b>	6	<b>Explosion Limit:</b>	NA	<b>Flash Point:</b>	NA
<b>Thermal Decomp.:</b>	NA				

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

None

**Hazardous Polymerization:**

Will not occur.

**Further Information:**

Sensitive to moisture.

**Hazardous Decomposition Products:**

In the event of fire, see section 5.

**Substances to be Avoided:**

None

**SECTION 11: TOXICOLOGICAL INFORMATION****Product Toxicity**

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

**Potential Health Effects:****Skin Contact:** Irritation.**Eye Contact:** Irritation.**Ingestion:** Nausea, vomiting, diarrhea, drowsiness, impaired vision, cardiovascular failure.**Further Data:** LD50 (oral-rat): 526 mg/Kg  
Evidence of carcinogenic properties in laboratory animals. Evidence of reproductive effects.**Component Toxicity****Acute Toxicity:**

Not Available

**Chronic Toxicity:**

Not Available

**Additional Data:**

Not Available

**SECTION 12: ECOLOGICAL INFORMATION**

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

**SECTION 13: DISPOSAL CONSIDERATIONS****Waste Disposal:** Chemical residues are generally classified as special waste and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company.**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

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

R22: Harmful if swallowed.  
R36/37/38: Irritating to eyes, respiratory system and skin.  
H302: Harmful if swallowed.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H335: May cause respiratory irritation.

***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.**