

**Health & Safety data sheet**  
**According to EC Directive 91/155/EC and following amendments**

Date of issue: 17 January 2008.

**SECTION 1 - IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY****Product name:**

- HI 7071 3.5 M KCl + AgCl Reference Electrolyte, for pH and Redox electrodes.

**Application:**

- Reference electrolyte solution.

**Manufacturer identification:**

Hanna Instruments Italia s.r.l.  
viale delle Industrie, 12/A  
35010 Villafranca Padovana, Italy  
tel. n°.:+39-049-9070211

**Emergency Telephone n. °:** No hazardous product

**SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS**

Aqueous solution.

**SECTION 3 - HAZARD IDENTIFICATION**

No hazardous product as specified in Directive 67/548/EEC.

**SECTION 4 - FIRST AID MEASURES**

- **After inhalation** : if inhaled remove to fresh air. If breathing becomes difficult, call a physician.
- **After skin contact** : wash off 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.

**SECTION 5 – FIRE-FIGHTING MEASURES**

- **Suitable extinguishing media**
  - Water spray, foam, dry powder or carbon dioxide.
- **Special risks:**
  - Non combustible.
- **Special protective equipment for fire fighting:**
  - 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

**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**

- **Personal protective equipment:**
  - As appropriate to quantity handled.
- **Protective gloves:**
  - Rubber or plastic.
- **Respiratory protection:**
  - Required when vapors/aerosols are generated.
- **Eye protection:**
  - Goggles or face mask.

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**SECTION 9 - PHYSICAL/CHEMICAL PROPERTIES**

- |                              |                    |                               |                          |
|------------------------------|--------------------|-------------------------------|--------------------------|
| • <b>Appearance</b>          | : colorless liquid | • <b>density at 20°C</b>      | : 1.52 g/cm <sup>3</sup> |
| • <b>Odor</b>                | : odorless         | • <b>flash point</b>          | : NA                     |
| • <b>Solubility in water</b> | : soluble          | • <b>explosive properties</b> | : NA                     |
| • <b>Melting point</b>       | : NA               | • <b>explosion limits</b>     | : NA                     |
| • <b>Boiling point</b>       | : > 100 °C         | • <b>ignition temperature</b> | : NA                     |
| • <b>pH value at 20°C</b>    | : ~6               |                               |                          |

**SECTION 10 - STABILITY AND REACTIVITY**

- |   |   |
|---|---|
| • <b>Conditions to be avoided:</b>              | • <b>Substances to be avoided:</b>                |
| - Strong heating (above boiling point).         | - The generally known reaction partners of water. |
| - Stable in the recommended storage conditions. |   |
| • <b>Hazardous decomposition products:</b>      | • <b>Hazardous Polymerization:</b>                |
| - In the event of fire: see section 5.          | - Will not occur.                                 |

**SECTION 11 - TOXICOLOGICAL INFORMATION***Acute toxicity*

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

*Further toxicological information*

Hazardous properties cannot be excluded, but are relatively unlikely because of the low concentration of the dissolved substances and to the data of the components, when the product is handled appropriately.

*Further data*

The product should be handled with the care usual when dealing with chemicals.

**SECTION 12 - ECOLOGICAL INFORMATION***Ecotoxic effects:*

Quantitative data on the ecological effect of this product are not available.

*Further ecological 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 off as an ordinary refuse.

**SECTION 14 - TRANSPORT INFORMATION**

Not subject to transport regulations.

**SECTION 15 - REGULATORY INFORMATION****Labeling according to EC Directives:**

- |            |   |
|------------|---|
| Symbol:    | - |
| R-phrases: | - |
| S-phrases: | - |
| Contains:  | - |

**SECTION 16 - OTHER INFORMATION**

- **Supersedes edition of** : June 2002
- **Reason for revision** : 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.