

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

Date of issue: 07 July 2004.

### **SECTION 1 - IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY**

**Product name:**

HI 7010 Buffer Solution pH 10.01,  
± 0.01 @ 25°C/77°F

**Application:**

- pH buffer 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 buffer 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:**  
Do not inhale vapors/aerosols.
- **Procedure for cleaning absorption:**  
Take up with liquid-absorbent material. Forward for disposal. Clean up affected area.

### **SECTION 7 - HANDLING AND STORAGE**

- **Handling:**  
- No further requirements.
- **Storage:**  
- Store at room temperature (+15°C to +25°C).

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

- **General hygiene measures**  
- Wash hands after handling. Remove and wash contaminated clothing.
- **Personal protective equipment:**  
- Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled.

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- **Respiratory protection:**
  - Required when vapors/aerosols are generated.
- **Protective gloves:**
  - Rubber or plastic
- **Eye protection:**
  - Goggles or face mask

**SECTION 9 - PHYSICAL/CHEMICAL PROPERTIES**

- |                              |                    |                               |                       |
|------------------------------|--------------------|-------------------------------|-----------------------|
| • <b>Appearance</b>          | : colorless liquid | • <b>pH value at 25°C</b>     | : 10.01               |
| • <b>Odor</b>                | : odorless         | • <b>density at 20°C</b>      | : 1 g/cm <sup>3</sup> |
| • <b>Solubility in water</b> | : soluble          | • <b>flash point</b>          | : NA                  |
| • <b>Melting point</b>       | : NA               | • <b>explosive properties</b> | : NA                  |
| • <b>Boiling point</b>       | : ~ 100 °C         | • <b>ignition temperature</b> | : NA                  |

**SECTION 10 - STABILITY AND REACTIVITY**

- **Conditions to be avoided:**
  - Heating.
- **Hazardous decomposition products:**
  - In the event of fire: see section 5.
- **Substances to be avoided:**
  - The generally known reaction partners of water.
- **Hazardous polymerization:**
  - 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.