HANNA Instruments

HI 7010 pH 10.01 Buffer Solution

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: Application:

HI 7010 Buffer Solution pH 10.01,

• pH buffer solution

± 0.01 @ 25°C/77°F

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.

HANNA Instruments

HI 7010 pH 10.01 Buffer Solution

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

Respiratory protection:

• Protective gloves:

• Eye protection:

- Required when - Rubber or plastic

- Goggles or face mask

vapors/aerosols are generated.

SECTION 9 - PHYSICAL/CHEMICAL PROPERTIES

Appearance : colorless liquid pH value at 25°C : 10.01 Odor : odorless density at 20°C : 1 g/cm³ Solubility in water : soluble flash point : NA Melting point : NA explosive properties : NA : ~ 100 °C ignition temperature **Boiling point** : 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.