

7021

HANNA instruments

HI 7021 ORP Solution for
Platinum and Gold electrodes

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

Date of issue: 18 September 2003

SECTION 1 - IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product Name: HI 7021 ORP Solution 240 mV @ 25°C/77°F
Application: ORP solution for platinum and gold electrodes.

Manufacturer identification: Hanna Instruments Italia s.r.l.
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OSPEDALE NIGUARDA (MI) - ITALY

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

Remove contaminated, soaked clothing immediately and dispose of safely.

- **After inhalation** : fresh air.
- **After skin contact** : wash off with plenty of water.
- **After eye contact** : rinse out with water.
- **After swallowing** : wash out mouth thoroughly with water and give plenty of water to drink. In severe cases obtain medical attention.

SECTION 5 - FIRE-FIGHTING MEASURES

- **Suitable extinguishing media**
 - In adaptation to materials stored in the neighborhood.
- **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.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

- **Personal precautions:**
 - Avoid formation of dusts. Do not inhale dusts. Avoid substance contact.
- **Environmental precautions:**
 - Do not discharge into the drains/surface waters/groundwater.
- **Additional notes:**
 - Take up dry. Clean up affected area and dispose according to local regulation. Avoid generation of dusts.

SECTION 7 - HANDLING AND STORAGE

- **Handling:**
 - Cannot be stored indefinitely.
- **Storage:**
 - Tightly closed. Store at room temperature (+15 to +25 °C recommended). Protect from light.

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According to EC Directive 91/155/EC**SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION**

- **Personal protective equipment:**
 - Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled.
- **Respiratory protection:**
 - Required when vapors/aerosols are generated. Work under hood.
- **Protective gloves:**
 - Rubber or plastic
- **Eye protection:**
 - Goggles or face mask

SECTION 9 - PHYSICAL/CHEMICAL PROPERTIES

- **appearance and odor** : yellow liquid, odorless
- **solubility in water** : soluble
- **melting point** : NA
- **boiling point** : ND
- **ignition temperature** : NA
- **flash point** : NA
- **explosion limits** : NA
- **density at 20°C** : ~1 g/cm³
- **pH value at 20°C** : ~7

SECTION 10 - STABILITY AND REACTIVITY

- **Conditions to be avoided:**
 - Strong heating.
- **Substances to be avoided:**
 - The generally known reaction partners of water.
- **Hazardous decomposition products:**
 - None

SECTION 11 - TOXICOLOGICAL INFORMATION

No toxic effects are to be expected when the product is handled appropriately.

SECTION 12 - ECOLOGICAL INFORMATION

No environmental hazard.

SECTION 13 - DISPOSAL CONSIDERATIONS

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.