

Health & Safety data sheets

SECTION 1 - IDENTIFICATION OF PREPARATION

Product name:

- pH/Redox Cleaning Solution

Application:

- Cleaning solution for pH/redox electrodes

Cat. No. :

- HI7061

Manufacturer identification:

HANNA INSTRUMENTS
V.le delle Industrie 12
Ronchi di Villafranca
PADOVA ITALY

Supplied by:
RS Components Ltd.
Birchington Road, Corby, Northants, NN17 9RS.
Tel: (01536) 402888

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization:

- Solution in water

Chemical composition:

- Hydrochloric acid: < 0.1%
- Symbol: **Xi**
R-phrases: **R36/37/38**
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SECTION 3 - HAZARD IDENTIFICATION

Irritating to eyes, respiratory system and skin.

SECTION 4- FIRST AID MEASURES

Eye contact:

- Wash with plenty of water for at least 10 minutes
- OBTAIN MEDICAL ATTENTION if irritation persists.

Skin contact:

- Wash exposed area with soap and water.
- OBTAIN MEDICAL ATTENTION if irritation develops.

Ingestion:

- Give large quantities of water immediately to dilute the acid
- Induce vomiting
- OBTAIN MEDICAL ATTENTION

Inhalation:

- N/A

SECTION 5 - FIRE FIGHTING MEASURES

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Special risks:

- May react with common metals to emit flammable hydrogen gas.

Fire extinguisher:

- Water, carbon dioxide, foam or dry chemical

Special fire fighting precautions:

- None

SECTION 6 - ACCIDENTAL RELEASE MEASURES

In case of accidental spill or release:

- Wear appropriate protective clothing and gloves
- Neutralize spill with sodium bicarbonate

SECTION 7- HANDLING AND STORAGE

Handling:

- Under no circumstances eat or drink while handling this material
- Wash hands and face after working with material
- Contaminated clothing should be removed and washed before re-use

Storage:

- Store at room temperature (@ 15-25°C)
- Protect from direct sunlight
- Keep container closed
- Keep away from children

SECTION 8- EXPOSURE CONTROL/PERSONAL PROTECTION

As appropriate to quantity handled

Respiratory protection:

- Fume hood

Protective gloves:

- Rubber or plastic

Eye protection:

- Goggles/face shield

SECTION 9- PHYSICAL/CHEMICAL PROPERTIES

Appearance and odor:

- Clear and colorless liquid
- Odorless

Water reactivity:

- Non-reactive

Solubility in water:

- Miscible in any proportion

Melting point:

- Unknown

Boiling point:

- > 100 C°

SECTION 10- STABILITY AND REACTIVITY

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Stability:

- Stable

Substances and conditions to be avoided:

- Heat; heating may increase the rate of release of hydrogen chloride gas
- Metals, strong oxidizers

SECTION 11- TOXICOLOGICAL INFORMATION

In case of ingestion:

- Corrosion of mucous membranes, esophagus, stomach, dysphagia, nausea, vomiting, intense thirst, diarrhea, circulatory collapse and death.

In case of inhalation:

- Coughing, choking, inflammation and ulceration of respiratory tract.

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:

- Chemicals are generally classified as special waste and thus covered by local regulations. Contact authorities or disposal companies for advice.
- In compliance with current regulations.

SECTION 14- TRANSPORT INFORMATION

UN-No.: UN1789

IMDG class: NR

IMO: NR

Packaging group:

IATA: NR

Packaging group:

Correct technical name: Not-Restricted

ADR/RID: NR

SECTION 15- REGULATORY INFORMATION

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Labeling according to EEC directives:

Symbol: **Xi** Irritant

R-phrases: 36/37/38 Irritant for eyes, skin, respiratory tract.

S-phrases: S26-45 In case of contact with eyes, rinse immediately with plenty of water and seek medical attention. In case of accident seek medical advice immediately, if you feel unwell. Show label when possible.

SECTION 16- OTHER INFORMATION

Emergency telephone number 0039-49-9070211

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