

SAFETY DATA SHEET

ETI pH ELECTRODE CLEANING SOLUTION

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Original MSDS: 17/10/2002

Revision No. 2 : 29/08/2019

1: IDENTIFICATION of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: ETI pH Electrode Cleaning Solution

ETI Product Codes: 816-040 500 ml

1.2. Relevant identified uses of the substance or mixture, and uses advised against

Use of substance / mixture: Cleaning of pH Electrodes.

1.3. Details of the supplier of the safety data sheet

Company name: Electronic Temperature Instruments Ltd – SDS based on manufacturer's information.
Easting Close,
Worthing,
West Sussex
BN14 8HQ.
e: sales@etiltd.com

1.4. Emergency telephone number

Emergency tel: +44(0)1903 202 151

2: HAZARD IDENTIFICATION

R36/37/38 Irritating to eyes and skin, may cause burns if contact is prolonged. If ingested causes internal irritation.

S2: Keep out of the reach of children.

3: COMPOSITION

Composition: 1 % pepsin; 99 % 0.1 M HCl solution in water

CAS Numbers: 9001-75-6 ; 7647-01-0

4: FIRST AID MEASURES

Eyes Irrigate thoroughly with water for at least 10 minutes. OBTAIN MEDICAL ATTENTION.

Lungs Remove from exposure, rest and keep warm. In severe cases OBTAIN MEDICAL ATTENTION.

Skin Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use. In severe cases, OBTAIN MEDICAL ATTENTION.

Mouth Wash out mouth thoroughly with water and give plenty of water to drink. OBTAIN MEDICAL ATTENTION

5: FIRE FIGHTING MEASURES

Fire and Explosion Hazard – in the unlikely event of large quantities, may involve toxic fumes in fire.

Fire Fighting Measures – Not applicable

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6: ACCIDENTAL RELEASE MEASURES

For large spillages

Wear appropriate protective clothing.

Spread soda ash liberally over spillage. If local regulations permit, mop up cautiously with plenty of water and run waste, diluting greatly with running water. Otherwise, transfer to container and arrange removal by disposal company. Wash site of spillage thoroughly with water.

If material has entered surface drains, it may be necessary to inform local authorities, including the fire service if flammable.

7: HANDLING AND STORAGE

Store in cool dry place.

8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

UK Exp. Limits	OES, mg/m ³ (short-term 10 min) – 7 HCl
Respirator	Not applicable
Ventilation	Not applicable
Gloves	Rubber or plastic
Eye Protection	Goggles or face shield
Other Measures	Plastic apron, sleeves, boots – if handling large quantities

9: PHYSICAL AND CHEMICAL PROPERTIES

Description	Colourless liquid
Melting Point	Not applicable
Boiling Point	Not applicable
Specific Gravity	1
Solubility in Water	Miscible in all proportions
Vapour Pressure	Not applicable
Vapour Density	Not applicable

10: STABILITY AND REACTIVITY

Stability	Stable
Reaction with Water	None

OTHER KNOWN HAZARDS No data

AVOID CONTACT WITH	Water	No	Acids	No
	Oxidisers	No	Bases	Yes
	Combustible	No		

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11: TOXICOLOGICAL INFORMATION

Toxicity Data	No data
Carcinogenicity	No evidence of carcinogenic properties
Mutagenicity/Teratogenicity	No evidence of carcinogenic properties

12: ECOLOGICAL INFORMATION

Data not yet available.

13: DISPOSAL CONSIDERATIONS

Dispose of through local authorities if appropriate facilities are available; otherwise pass to a chemical disposal company.

14: TRANSPORT INFORMATION

UN Number	NOT RESTRICTED FOR TRANSPORT PURPOSES
Class/Packing Group	NOT RESTRICTED FOR TRANSPORT PURPOSES
Proper Shipping Name	NOT RESTRICTED FOR TRANSPORT PURPOSES

15: REGULATORY INFORMATION

Labelling according to EEC directives

Symbol (s)	None
Risk Phrases	None
Safety Phrases	None

16: OTHER INFORMATION

This information is based on current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe the product from a safety point of view, not to guarantee any particular properties. Ref: Part No. 719-16

Legal disclaimer: SDS based on manufacturer's information. *The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.*

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