

SAFETY DATA SHEET

In accordance with Regulation (EU) No. 2015/830 and Regulation (EC) No. 1272/2008

Electrode Cleaning Solution

Product Code	Product Details	Product Size/Volume
PEB215	Electrode Cleaning Solution	150ml
PEB215L	Electrode Cleaning Solution	1000ml

1 – Identification of the substance/mixture and of the company/undertaking

1.1 Product identification

Substance name	Electrode Cleaning Solution
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1.2 – Relevant identified uses of the substance or mixture and uses advised against

Use material	Cleaning of protein contaminated electrodes
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1.3 – Details of the supplier of the safety data sheet

Company	Klipspringer Ltd
Address	Rynor House, Farthing Road, Ipswich, IP1 5AP
Telephone	01473 461 800
Email	sales@klipspringer.com

1.4 – Emergency telephone number

Emergency contact and telephone	Guy Bush, 07780 493433
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2 – Hazards identification

2.1 – Classification of the substance or mixture


Labelling according to Regulation (EC) No. 1272/2008.

Corrosive to metals, Cat. 1, H290

Skin irritation, Cat. 1, H314

Serious eye damage/eye irritation, Cat. 1, H318

2.2 – Label elements

Pictogram		
Signal Word	Warning	
Hazard Statements	Hydrochloric Acid	H314: May cause skin irritation H318: May cause eye damage H290L May be corrosive to metals
Pepsin	Pepsin	May produce an allergic reaction
Precautionary Statements	Wear protective gloves / eye protection.	

2.3 – Other Hazards

None.

3 – Composition/information on ingredients

3.1 – Substances

Name CAS No. Concentration	Pepsin 9001-75-6 ≤1%
Name Formula CAS No. Concentration	Hydrochloric acid HCl 7647-01-0 ≤0.5%
Name Formula Concentration	Water H ₂ O >99.5%

3.2 – Mixtures

Not classified as hazardous.

4 – First aid measures

4.1 – Description of first aid measures

In case of eye contact	Flush eyes thoroughly with water. If eye irritation persists, consult a specialist.
In case of swallowing	Rinse mouth with water. Do not induce vomiting. If necessary obtain medical attention.
In case of skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes. If skin irritation persists obtain medical attention.
In case of in halation	Move to fresh air. If symptoms persist obtain medical attention.

5 – Fire-fighting measures

5.1 – Extinguishing media

Suitable extinguishing media	Water spray, foam, dry powder, carbon dioxide
Unsuitable extinguishing media	Nothing specified.

5.2 – Special hazards arising from the substance or mixture

Specific hazards during fire-fighting	Hazardous combustion products At high temperatures potential release of hydrogen chloride gas
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5.3 – Advice for fire-fighters

Special protective equipment for fire-fighters	Wear breathing apparatus if necessary
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6 – Accidental release measures

6.1 – Accidental release measures

Personal precautions	Use suitable laboratory precautions
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6.2 – Environmental precautions

Environmental precautions	Do not allow to enter drains
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6.3 – Methods and materials for containment and cleaning up

Use suitable absorbent material and dispose of safely.

7 – Handling and storage

7.1 – Precautions for safe handling

Precaution for safe handling	No specific precautions other than normal laboratory precautions.
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7.2 – Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	Keep container tightly closed in a dry and well-ventilated place.
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7.3 – Specific end uses

Specific use(s)	No other uses other than those specified in section 1.2.
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8 – Exposure controls/personal protection

8.1 – Control parameters

Exposure data source(s)	No hazardous components.
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8.2 – Exposure controls

Respiratory protection	No special precautions required.
Body protection	No special precautions required.
Eye protection	Use suitable laboratory standard eye protection.
Skin protection	If skin contact or contamination of clothing is likely, protective clothing must be worn.

9 – Physical and chemical properties

9.1 – Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless
Odour	Odourless
Odour Threshold	Not determined

pH value	2
Melting point	Not applicable.
Initial boiling point	Not applicable.
Flashpoint	Not applicable.
Upper flammability limit	Not applicable.
Lower flammability limit	Not applicable.
Auto ignition	Not applicable.
Explosive properties	No.
Oxidising properties	No.
Vapour pressure	Not applicable.
Relative density	Not applicable.
Water solubility	Not determined.

9.2 – Other information

Other information	No data available.
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10.0 – Stability and reactivity

10.1 – Reactivity

Reactivity	No data available.
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10.2 – Chemical stability

Chemical stability	Stable under normal conditions.
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10.3 – Possibility of hazardous reactions

Possibility of hazardous reactions	May generate dangerous gases or fumes in contact with some metals.
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10.4 – Conditions to avoid

Conditions to avoid	No relevant information available.
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10.5 – Incompatible materials

Incompatible materials	No specific materials to avoid.
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10.6 – Hazardous decomposition products

Hazardous decomposition products	In the event of fire, see section 5.
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11.0 – Toxicological information

11.1 – Information on toxicological effects

Eyes	Eye irritation
Skin	Possible irritation
Acute Toxicity	No data available.
Sensitisation	May cause sensitization by skin contact.
Toxicity	No data available.
Aspiration Hazard	No data available.
Carcinogenicity	No data available.
Mutagenicity	No data available.
Reproductive Effects	No data available.

12.0 – Ecological information

12.1 – Toxicity

Toxicity	No data available.
LC50 Algal	Not available.
LC52 Crustacea	Not available.
LC50 Fish	Not available.

12.2 – Persistence and degradability

Persistence and degradability	No data available.
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12.3 – Bio accumulative potential

Bio accumulative potential	No data available.
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12.4 – Mobility in soil

Mobility in soil	Highly mobile in soil.
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12.5 – Results of PBT and vPvB assessment

PBT	No data available.
vPvB	No data available.

12.6 – Other adverse effects

Other adverse effects	None known at present.
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13.0 – Disposal considerations

13.1 – Waste treatment methods

Disposal method	Can be disposed of via licensed disposal company.
Contaminated packaging	Can be disposed of via licensed disposal company.

14.0 – Transport information

14.1 – UN-number

UN-number	Non-restricted.
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14.2 – Proper shipping name

Proper shipping name	Non-restricted.
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14.3 – Transport classes

UN classification	None.
Subsidiary hazard(s)	None.
Transport category	None.
ADR Hazard ID	Non-restricted.
Tunnel Restriction code	Non-restricted.

14.4 – Packaging group

Packaging group	None.
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14.5 – Environmental hazards

Environmental hazards	See section 12.
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14.6 – Special precautions for user

Special precautions for user	No special precautions required.
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14.7 – Transport in bulk

Transport in bulk	Not transported in bulk.
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15.0 – Regulatory information

15.1 – Safety, health and environmental regulations specific for the substance or mixture.

Not classified as hazardous under classification, labelling & packaging of substance & mixtures regulations (1272/2008/CE).

15.2 – Chemical safety assessments

Chemical safety assessments	A chemical safety assessment has not been carried out.
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16.0 – Other information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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Supplier	Klipspringer Ltd
Address	Rynor House, Farthing Road, Ipswich, Suffolk, UK. IP1 5AP.
Telephone	+44 (0) 1473 461 800
Email	sales@klipspringer.com
Website	www.klipspringer.com

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Sheena Britton Technical Compliance Manager Klipspringer 09-01-23		Date of Issue	09-01-2023
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