pH Electrode Storage Solution

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006

Issue date: 14/09/2026 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name	:	pH Electrode Storage Solution
EC Index-No.	:	000-000-0
CAS-No.	:	0000-00-0
Product code	:	SP20185

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

Identified uses : Laboratory chemicals

1.3 Details of the supplier of the safety data sheet

Company : PROCHIMA SIGMA
Zone industrielle Khemisti, D N° 06, N° 02
Hennaya - Tlemcen - Algérie

Telephone : +213 44 96 35 35
Fax : +213 44 96 36 36
E-mail address : contact@prochima-sigma.com

1.4 Emergency telephone

Emergency Phone # : Centre national de toxicologie
Route petit Staoueli NIPA
Dely Brahim - Alger (Algeria)
+213 23 36 77 77

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product is not classified, according to the Globally Harmonized System (GHS).

2.2 Label elements

2.3 GHS label elements Void

2.4 Hazard pictograms Void

2.5 Signal word Void

2.6 Hazard statements Void

2.7 Classification system:

2.8 NFPA ratings (scale 0-4)

Health = 0
Fire = 0
Reactivity = 0

2.9 Other hazards

2.10 Results of PBT and vPvB assessment

2.11 PBT: Not applicable.

2.12 vPvB: Not applicable

SECTION 3: Composition/information on ingredients

3.1 Chemical characterization: Mixtures

3.2 Description: Mixture of the substances listed below with nonhazardous additions.

3.3 Dangerous components: Void

3.4 Non- Hazardous Components		
CAS: 7732-18-5	PURIFIED WATER	50-100%
CAS: 7447-40-7	potassium chloride	10-25%
CAS: 877-24-7	potassium hydrogen phthalate	≤2.5%

SECTION 4: First-aid measures

4.1 Description of first aid measures

4.2 General information: No special measures required.

4.3 After inhalation: Supply fresh air; consult doctor in case of complaints.

4.4 After skin contact: Generally the product does not irritate the skin.

4.5 After eye contact: Rinse opened eye for several minutes under running water.

4.6 After swallowing: If symptoms persist consult doctor.

4.7 Information for doctor:

4.8 Most important symptoms and effects, both acute and delayed No further relevant information available.

4.9 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

5.2 Suitable extinguishing agents: Use fire fighting measures that suit the environment.

5.3 Special hazards arising from the substance or mixture No further relevant information available.

5.4 Advice for firefighters

5.5 Protective equipment: No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Not required.

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4 Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

6.5 Protective Action Criteria for Chemicals

6.6 PAC-1:		
CAS: 877-24-7	potassium hydrogen phthalate	9.6 mg/m³

6.7 PAC-2:		
CAS: 877-24-7	potassium hydrogen phthalate	110 mg/m³

6.8 PAC-3:		
CAS: 877-24-7	potassium hydrogen phthalate	630 mg/m³

SECTION 7: Handling and storage

7.1 Handling:

7.2 Precautions for safe handling No special measures required.

7.3 Information about protection against explosions and fires: No special measures required.

7.4 Conditions for safe storage, including any incompatibilities

7.5 Storage:

7.6 Requirements to be met by storerooms and receptacles: No special requirements.

7.7 Information about storage in one common storage facility: Not required.

7.8 Further information about storage conditions: None.

7.9 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Additional information about design of technical systems: No further data; see section 7.

8.2 Control parameters

8.3 Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.4 Additional information: The lists that were valid during the creation were used as basis.

8.5 Exposure controls

8.6 Personal protective equipment:

8.7 General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

8.8 Breathing equipment: Not required.

8.9 Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

8.10 Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

8.11 Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

8.12 Eye protection:

Goggles recommended during refilling.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
9.2 General Information	
9.3 Appearance:	
Form:	Fluid
Color:	According to product specification
9.4 Odor:	Characteristic
9.5 Odor threshold:	Not determined.
9.6 pH-value:	Not determined.
9.7 Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C (212 °F)
9.8 Flash point:	Not applicable.
9.9 Flammability:	Not determined.
9.10 Decomposition temperature:	Not determined.
9.11 Ignition temperature:	Product is not selfigniting.
9.12 Danger of explosion:	Product does not present an explosion hazard.
9.13 Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.

9.14 Vapor pressure at 20 °C (68 °F):	23 hPa (17.3 mm Hg)
9.15 Density at 20 °C (68 °F):	1.22042 g/cm³ (10.1844 lbs/gal)
9.16 Relative density	Not determined.
9.17 Vapor density	Not determined.
9.18 Evaporation rate	Not determined.
9.19 Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
9.20 Partition coefficient (n-octanol/water):	Not determined.
9.21 Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
9.22 Solvent content:	
Water:	77.5 %
Solids content:	22.5 %
9.23 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

10.3 Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.4 Possibility of hazardous reactions No dangerous reactions known.

10.5 Conditions to avoid No further relevant information available.

10.6 Conditions to avoid No further relevant information available.

10.7 Incompatible materials: No further relevant information available.

10.8 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

11.2 Acute toxicity:

11.3 Primary irritant effect:

11.4 on the skin: No irritant effect.

11.5 on the eye: No irritating effect.

11.6 Sensitization: No sensitizing effects known.

11.7 Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

11.8 Carcinogenic categories

11.9 IARC (International Agency for Research on Cancer)
None of the ingredients is listed.

11.10 NTP (National Toxicology Program)
None of the ingredients is listed.

11.11 OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

12.2 Aquatic toxicity: No further relevant information available.

12.3 Persistence and degradability No further relevant information available.

12.4 Behavior in environmental systems:

12.5 Bioaccumulative potential No further relevant information available.

12.6 Mobility in soil No further relevant information available.

12.7 Additional ecological information:

12.8 General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewag system.

12.9 Results of PBT and vPvB assessment

12.10 PBT: Not applicable.

12.11 vPvB: Not applicable.

12.12 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

13.2 Recommendation: Smaller quantities can be disposed of with household waste.

13.3 Uncleaned packagings:

13.4 Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number	
14.2 DOT, ADR, IMDG, IATA	Void
14.3 UN proper shipping name	
14.4 DOT, ADR, IMDG, IATA	Void
14.5 Transport hazard class(es)	
14.6 DOT, ADR, IMDG, IATA **14.7 Class**	Void
14.8 Packing group	
14.9 DOT, ADR, IMDG, IATA	Void
14.10 Environmental hazards:	
14.11 Marine pollutant:	No

14.12 Special precautions for user	Not applicable.
14.13 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
14.14 Transport/Additional information:	Not dangerous according to the above specifications.
14.15 UN "Model Regulation":	Void

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1 SARA Section 355 (extremely hazardous substances)
None of the ingredients is listed.
15.1.2 SARA Section 313 (specific toxic chemical listings)
None of the ingredients is listed.
15.1.3 TSCA (Toxic Substances Control Act)
All components have the value ACTIVE.
15.1.4 Hazardous Air Pollutants
None of the ingredients is listed.
15.1.5 Prop 65 - Chemicals known to cause cancer
None of the ingredients is listed

15.2 Cancerogenity categories

15.2.1 EPA (Environmental Protection Agency)
None of the ingredients is listed.
15.2.2 TLV (Threshold Limit Value)
None of the ingredients is listed.
15.2.3 MAK (German Maximum Workplace Concentration)
None of the ingredients is listed.

15.2.4 NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed.

15.3 GHS label elements Void

15.4 Hazard pictograms Void

15.5 Signal word Void

15.6 Hazard statements Void

15.7 National regulations:

15.8 Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

15.9 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for aspecific product features and shall not establish a legally valid contractual relationship.

16.1 Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement ConcerInternational Carriage of Dangerous Goods by Road)
DOT: US Department of Transportation
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit