

This safety data sheet complies with the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008, (EU) No. 453/2010  
Version 1.4 Revision date 22-06-2022  
Printdate 22-06-2022

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## 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

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### 1.1 Product Identifier

Product name: Neomeris Cleaning solution for pH and ORP electrodes (Pepsin) – probe cleaner  
Product number(s): 890778, 890779, 880780, Neomeris Protein Cleaner A 70ml, Neomeris Protein Cleaner A 250ml, Neomeris Protein Cleaner A 500ml  
Supplier: Gebrüder Heyl Vertriebsgesellschaft für innovative Wasseraufbereitung mbH  
REACH Number: A registration number is not, according to the manufacturer, available for this substance as the substance or use, except for registration for the annual volume does not require a registration or the registration is equipped with a later registration deadline.

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

Recommended Use: Use as laboratory reagent

### 1.3 Details of the supplier of the safety data sheet

Supplier: Gebrüder Heyl Vertriebsgesellschaft für innovative Wasseraufbereitung mbH  
Max-Planck-Str. 16  
31135 Hildesheim  
Deutschland  
Telephone: +49 (0) 5121-7609-0  
E-mail address: [vertrieb@heylnemeris.de](mailto:vertrieb@heylnemeris.de)

### 1.4 Emergency telephone number

GIZ-Nord Poisons Centre  
+49 (0)551-19240  
Solely intended to inform professional caregivers in acute poisoning

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## 2: HAZARDS IDENTIFICATION

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### 2.1 Classification of the substance or mixture

#### Classification - Mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

**Skin corrosion/irritation** Category 1 - (H314)

**Serious eye damage/eye irritation** Category 1 - (H318)

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16.

#### Symbol(s)

C - Corrosive

### R-code(s)

C;R35

## 2.2 Label elements according to Directive (EC) Nr 1272/2008

### Product Identifier



### Signal Word

Warning

### Hazard Statements

H314 - Causes severe skin burns and eye damage

Contains Pepsin EUH208 - May produce an allergic reaction

EUH210 - Safety data sheet available on request

### Precautionary Statements

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P321 - Specific treatment (see supplemental first aid instructions on this label)

P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P280 - Wear eye protection/ face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER or doctor/physician

P202 - Do not handle until all safety precautions have been read and understood

## 2.3. Other hazards

No information available

## 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

No information available

### 3.2 Mixtures

Component	EC-No.	CAS-No.	Weight %	DSD Classification– 67/548/EEC	CLP Classification – Regulation (EC No. 1272/2008
Water	23-791-2	7732-18-5	90 – 100%	-	-
Hydrochloric Acid	231-595-7	7647-01-0	0 – 1%	T; R23 C; R35 C; R34 Xi; R37	Met. Corr. 1; Skin Corr. 1B; STOT SE 3; H290, H314, H335
Pepsin	232-629-3	9001-75-6	0 – 1%	Xi; R36/37/38 R42	Skin Irrit. 2; Eye Irrit. 2; Resp.

					Sens. 1; STOT SE 3; H315, H319, H334, H335
Copper Sulphate	231-847-6	7758-99-8	0 – 1%	-	H302 Sens. 1; STOT SE 3; H315, H319

For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16.  
Full text of H- and EUH-phrases: see section 16

## 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

<b>General Advice:</b>	Use first aid treatment according to the nature of the injury. For further assistance, contact your local Poison Control Center. Show this safety data sheet to the doctor in attendance.
<b>Inhalation:</b>	Move to fresh air. If symptoms persist, obtain medical attention.
<b>Skin Contact:</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.
<b>Eye Contact:</b>	In case of eye contact, rinse immediately with plenty of water for at least 15 minutes. If symptoms persist, obtain medical attention.
<b>Ingestion:</b>	Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. If symptoms persist, call a physician or Poison Control Center immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### 5.2 Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors.

### 5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

## 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Evacuate personnel to safe areas.

### 6.2 Environmental precautions

Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

### 6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Prevent further leakage or spillage if safe to do so.

### 6.4 Reference to Other Sections

Refer to protective measures listed in Sections 7 and 8  
 See Section 8 for information on appropriate personal protective equipment  
 See Section 12 for additional Ecological Information  
 See Section 13 for additional waste treatment information

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## 7: HANDLING AND STORAGE

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### 7.1 Precautions for safe handling

To avoid risks to human health and the environment, comply with the instructions for use. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray. Ensure adequate ventilation, especially in confined areas.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Keep away from direct sunlight.

### 7.3 Specific end use(s)

Some of the applications mentioned in section 1.2  
 No other applications have been agreed

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## 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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### 8.1 Control parameters

#### Components with workplace control parameters

CAS No.	Designation	Type	Limit value
7647-01-0	Hydrochloric acid	Europe: IOELV: STEL Europe: IOELV: TWA Great Britain: WEL-STEL Great Britain: WEL-TWA Ireland: 15 minutes Ireland: 8 hours	15 mg/m <sup>3</sup> ; 10 ppm (Hydrogen chloride) 8 mg/m <sup>3</sup> ; 5 ppm (Hydrogen chloride) 8 mg/m <sup>3</sup> ; 5 ppm (gas and aerosol mists) 2 mg/m <sup>3</sup> ; 1 ppm (gas and aerosol mists) 15 mg/m <sup>3</sup> ; 10 ppm 8 mg/m <sup>3</sup> ; 5 ppm

### 8.2 Exposure controls

#### Engineering Measures

Use in accordance with current rules and practices with regard to industrial hygiene and safety.  
 Wash hands before breaks and at the end of the working day.

#### Personal protective equipment

### Eye/face Protection

Face protection and safety glasses. Use facial and / or eye protection tested and approved by official institutions such as NIOSH (US) or EN 166 (EU).

### Skin and body protection

Handle with gloves. Inspect gloves prior to use. Pull gloves neatly out without touching the outside with bare hands. Dispose gloves immediately according to the applicable laboratory regulations. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686 / EEC and the standard EN 374 derived from it. Full contact material: Nitrile rubber  
Minimum layer thickness: 0.11 mm Breakthrough time: 480 min.

### Respiratory Protection

Provide adequate ventilation.

### Environmental exposure controls

Prevent product from entering drains.

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## 9: PHYSICAL AND CHEMICAL PROPERTIES

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### 9.1 Information on basic physical and chemical properties

a) Appearance:	Colorless liquid
b) Odor:	Odorless
c) Odor Threshold:	No information available
d) pH:	at 20°C pH 1 – 1.5
e) Melting point/freezing point:	No information available
f) Boiling Point/Range:	at approx. 100°C
g) Flash Point:	No information available
h) Evaporation Rate:	No information available
i) Flammability (solid, gas)	No information available
j) Flammability Limit in Air:	No information available
k) Vapor pressure:	No information available
l) Vapor Density:	No information available
m) Specific Gravity:	at 20°C approx. 1.0 g/ml
n) Water Solubility:	Soluble
o) Partition coefficient n-octanol / water:	No information available
p) Autoignition Temperature:	No information available
q) Decomposition Temperature:	No information available
r) Viscosity	No information available

- s) Explosive Properties: No information available  
t) Oxidizing Properties: No information available

### 9.2 Other safety information

No information available

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## 10: STABILITY AND REACTIVITY

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### 10.1 Reactivity

No information available

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

None under normal processing

### 10.4 Conditions to avoid

Extremes of temperature and direct sunlight.

### 10.5 Incompatible materials

Metals

### 10.6 Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapors.

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## 11: TOXICOLOGICAL INFORMATION

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### 11.1 Information on toxicological effects

<b>Acute Toxicity:</b>	No information available
<b>Skin Corrosion/Irritation:</b>	No information available
<b>Serious eye damage/eye irritation:</b>	No information available
<b>Sensitization:</b>	No information available
<b>Carcinogenic effects:</b>	No information available
<b>Mutagenic Effects:</b>	No information available
<b>STOT - single exposure</b>	No information available
<b>STOT - repeated exposure</b>	No information available
<b>Aspiration hazard</b>	No information available
<b>Additional Information:</b>	No information available

### Symptoms

In case of ingestion: burns (pain). Risk of perforation  
After eye contact: Liquid splashes can lead to irritations of the eyes.

### General remarks

A corrosive effect cannot be ruled out because of the pH value. Further hazardous properties cannot be excluded. Handle in accordance with good industrial hygiene and safety practice.

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## 12: ECOLOGICAL INFORMATION

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### 12.1 Toxicity

Aquatic toxicity: Harmful effects on water organisms by modification of pH-value.

### 12.2 Persistence and degradability

No information available

### 12.3 Bioaccumulative potential

No information available

### 12.4 Mobility in soil

No information available

### 12.5 Results of PBT and vPvB assessment

No information available

### 12.6 Other adverse effects

No information available

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## 13: DISPOSAL CONSIDERATIONS

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### 13.1 Waste treatment methods

#### Product

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### Contaminated Packaging

Dispose of as unused product.

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## 14: TRANSPORT INFORMATION

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### 14.1 UN-number

ADR/RID: UN1789

IMDG: UN1789

IATA: UN1789

### 14.2 Proper Shipping Name

ADR/RID: HYDROCHLORIC ACID

IMDG: HYDROCHLORIC ACID

IATA: HYDROCHLORIC ACID

### 14.3 Hazard Class

ADR/RID: 8 Code C1

IMDG: 8 Subrisk -

IATA: 8

### 14.4 Packing Group

ADR/RID: III

IMDG: III

IATA: III

### 14.5 Environmental hazard

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

### 14.6 Special Provisions

#### Land transport (ADR/RID)

Warning board:

Hazard label:

Special provisions:

Limited quantities:

EQ:

Contaminated packaging - Instructions:

Special provisions for packing together:

Portable tanks - Instructions:

Portable tanks - Special provisions:

Tank coding:

Tunnel restriction code:

ADR/RID: Kemmler-number 80, UN number UN 1789

8

520

5 L

E1

P001 IBC03 LP01 R001

MP19

T4

TP1

L4BN

E



#### Sea transport (IMDG)

EmS:

Special provisions:

Limited quantities:

EQ:

Contaminated packaging - Instructions:

Contaminated packaging - Provisions:

IBC - Instructions:

IBC - Provisions:

Tank instructions - IMO:

Tank instructions - UN:

Tank instructions - Provisions:

Stowage and handling:

Properties and observations:

F-A, S-B

223

5 L

E1

P001, LP01

-

IBC03

-

-

T4

TP1

Category C.

Colorless liquid. An aqueous solution of the gas hydrogenchloride. Highly corrosive to most metals. Causes burns to skin eyes and mucous membranes.

1



Segregation group:

#### Air transport (IATA)

Hazard:

EQ:

Passenger Ltd.Qty.:

Passenger:

Cargo:

Special Provisioning:

ERG:

Corrosive

E1

Pack.Instr. Y841 - Max. Net Qty/Pkg. 1 L

Pack.Instr. 852 - Max. Net Qty/Pkg. 5 L

Pack.Instr. 856 - Max. Net Qty/Pkg. 60 L

A3 A803

8L



### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC-code

No information available



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## 15: REGULATORY INFORMATION

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This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

No information available

### 15.2 Chemical safety assessment

For this mixture a chemical safety assessment is not required.

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## 16: OTHER INFORMATION

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### Full text of R-phrases referred to under sections 2 and 3

R42 - May cause sensitization by inhalation

R34 - Causes burns

R35 - Causes severe burns

R23 - Toxic by inhalation

R37 - Irritating to respiratory system

R36/37/38 - Irritating to eyes, respiratory system and skin

### Full text of H-phrases referred to under sections 2 and 3.

H290 = Corrosive to metals

H302 = Harmful if swallowed.

H314 = Causes severe skin burns and eye damage

H315 = Causes skin irritation

H319 = Causes severe eye irritation

H334 = May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335 = May cause respiratory irritation

### Disclaimer:

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