This safety data sheet complies with the requirements of:
Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) 2020/878
Version 2.1 Revision date 21-03-2023
Printdate 21-03-2023

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

1.1 Product Identifier

Product name : NEOMERIS pH-Puffer 4.01, +-0,01 @25°C

Product number(s) : pH4,01/70ml, pH4,01/250ml, pH4,01/500ml, pH4,01/1000ml
890691, 890687, 890766, 891185

Supplier: Gebrüder Heyl Vertriebsgesellschaft für innovative Wasseraufbereitung mbH

REACH Number : A registration number is not 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, Calibration solution

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Gebrüder Heyl Vertriebsgesellschaft für innovative Wasseraufbereitung mbH
Max-Planck-Str. 16
31135 Hildesheim
Deutschland
Telephone: +49 (0)5121-76090
E-mail address: vertrieb@heylneomeris.de

1.4 Emergency telephone number

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

2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) Nr 1272/2008
This mixture is classified as not hazardous.

Classification according to EU Directives 67/548/EEG or 1999/45/EG
This preparation is not classified as hazardous.

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

Hazard statements: No information available
Safety Precautions: No information available

Labelling (67/548 / EEG of 1999/45 / EG)
R- phrases: No information available
S- phrases: No information available

2.3 Other hazards
Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment: 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%	-	-
Potassium Hydrogen Phthalate	212-889-4	877-24-7	0 – 10%	-	-
Sodium Azide	247-852-1	26628-22-8	0 – 10%	-	Acute Tox. 2; Acute Tox.1; Aquatic Acute 1; Aquatic Chronic 1; H300, H400, H410
Amarant	213-022-2	915-67-3	0 – 10%	-	-

4: FIRST AID MEASURES

4.1 Description of first aid measures

General Advice: 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.

Inhalation: Move to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.

Eye Contact: In case of eye contact, rinse immediately with plenty of water for at least 15 minutes. If symptoms persist, obtain medical attention.

Ingestion: 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
No information available.

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. Special danger of slipping by leaking/spilling product.

6.4 Reference to Other Sections

For additional waste treatment information, see section 13.

7: HANDLING AND STORAGE

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

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters
The product contains no substances with occupational exposure limit values.

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.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a)	Appearance:	Red liquid
b)	Odor:	None
c)	Odor Threshold:	No information available
d)	pH:	at 20°C pH 4.0
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

Explosive properties:	No information available
Oxidizing characteristics:	No information available
Auto-ignition temperature:	No information available
Solid content:	0.9 - 1.9 %
Water content:	98.1 - 99.1 %
Evaporation rate:	No information available

10: STABILITY AND REACTIVITY

10.1 Reactivity
No information available

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
None under normal processing

10.4 Conditions to avoid
Extremes of temperature and direct sunlight. Protect from frost.

10.5 Incompatible materials
Strong acids and bases

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

11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

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

11.2 Information on other hazards

Endocrine disrupting properties:	No information available
Other information:	No information available

12: ECOLOGICAL INFORMATION

12.1 Toxicity
No information available

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 Endocrine disrupting properties
No information available

12.7 Other adverse effects
No information available

13: DISPOSAL CONSIDERATIONS

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.

14: TRANSPORT INFORMATION

14.1 UN-number
ADR/RID: - IMDG: - IATA: -

14.2 Proper Shipping Name
ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

14.3 Hazard Class
ADR/RID: - IMDG: - IATA: -

14.4 Packing Group
ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazard
ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special Provisions
No information available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC-code
No information available

15: REGULATORY INFORMATION

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 product no chemical safety assessment has been carried out.

16: OTHER INFORMATION

Full text of H-phrases referred to under sections 2 and 3.
H300 = Fatal if swallowed.
H400 = Very toxic to aquatic life
H410 = Very toxic to aquatic life with long-lasting effects

Disclaimer:

The above information is believed to be correct but does not claim to be exhaustive and should be used only as a guide.
Hydrocal shall not be liable for any damage resulting from handling or from contact with the above product. See our price list for further sales conditions.