NEOMERIS

SAFETY DATA SHEET (SDS) www.neomeris.de

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 1.2 Revision date 18-01-2022
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1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product name :	NEOMERIS ORP buffer solution 475mV (±5mV @25°C
Product number(s) :	70ml, 250ml, 500ml 890712, 890704, 890775
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
Skin irritation (Category 2).
Eye irritation (category 2A)

Classification according to EU Directives 67/548/EEG or 1999/45/EG
For full text of the R-phrases and H-Statements mentioned in this section, see section 16.

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

Serious eye damage/eye irritation, Cat. 2, H319
Skin corrosion/irritation, Cat. 1, H314
Corrosive to metals, Cat. 1, H290

Labelling (67/548 / EEG of 1999/45 / EG)

Signal word: Warning
GHS05 Danger, Corrosive

Hazard Statements H290: May be corrosive to metals.
H314: Causes severe skin burns and eye damage.

Precautionary statements P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental information None

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 %	CLP Classification – Regulation (EC No. 1272/2008
Water	23-791-2	7732-18-5	90 – 100%	-
Sulphuric acid	231-639-5	7664-93-9	0 – 10%	Skin Corr. 1A H314 CSk1A: C ≥ 15 % CSk2: 5 % ≤ C < 15 % CEy2: 5 % ≤ C < 15 %

For the full text of the phrases mentioned in this Section, see Section 16.

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.

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
Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

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:	Light yellow
b)	Odor:	None
c)	Odor Threshold:	No information available

d) pH:	at 20℃ pH 0.1
e) Melting point/freezing point:	No information available
f) Boiling Point/Range:	at approx. 100℃
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℃ 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

10: STABILITY AND REACTIVITY

10.1 Reactivity
No information available

10.2 Chemical stability
Stable under normal conditions.

10.3 Possibility of hazardous reactions
Heating can release hazardous gases

10.4 Conditions to avoid
Extremes of temperature and direct sunlight.

10.5 Incompatible materials
Metals. Alkaline metals. Strong acids and strong bases.
Halogenated compounds. Ammonia.

10.6 Hazardous decomposition products

Sulphur oxides.

11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity:	No information available
Skin Corrosion/Irritation:	Corrosive
Serious eye damage/eye irritation:	Corrosive. Risk of serious damage to eyes.
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

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 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: UN 3264 IMDG: UN 3264 IATA: UN 3264

14.2 Proper Shipping Name

ADR/RID: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Sulphuric acid).
IMDG: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Sulphuric acid).
IATA: Corrosive liquid, acidic, inorganic, n.o.s. (Sulphuric acid).

14.3 Hazard Class

ADR/RID: 8 IMDG: 8 IATA: 8

14.4 Packing Group

ADR/RID: III IMDG: III IATA: III

14.5 Environmental hazard

ADR/RID: - IMDG Marine pollutant: - IATA: -

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.
H290 = May be corrosive to metals.
H314 = Causes severe skin burns and eye damage.
H319 = Causes serious eye irritation.

Disclaimer:
 The above information is believed to be correct but does not claim to be exhaustive and should be used only as a guide.
Gebrüder Heyl Vertriebsgesellschaft für innovative Wasseraufbereitung mbH 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.