

MATERIAL SAFE DATE SHEET

according to Regulation (EC) No. 1907/2006, 2020/878



Shell Demineralized water

Date: 23.09.2025

Version EN: 1.0

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

1.1. Product identifier Shell Demineralized water

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

Identified uses: for use in cooling systems, steam generators, laboratories, and for a wide range of household applications

Uses advised against: none

1.3. Details of the supplier of the safety data sheet

PPH PARYS Sp. z o.o.

ul. A. Walentynowicz 1, 20-328 Lublin

tel. +48 81 443 12 10, fax +48 81 443 12 55

e-mail: sekretariat@parys.pl

E-mail address of the person responsible for data sheet: marzec@parys.pl

1.4. Emergency telephone

112 (general emergency telephone number), 998 (fire-brigade), 999 (ambulance);

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Acc. to 1272/2008

The substance is not classified as hazardous.

Human health dangers:

None.

Environmental hazards:

None.

Physic-chemical hazards:

None.

2.2. Label elements

Pictograms:

None.

Signal Word:

None.

Hazard Statement:

None.

Precautionary Statement:

None.

2.3. Other hazards

Annex XIII - Criteria for the identification of Persistent, Bioaccumulative and Toxic substances (BBT), and very Persistent and very Bioaccumulative substances (vPvB):

The substance does not meet the PBT or vPvB criteria.

Substances with endocrine disrupting properties (in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100(3) or Commission Regulation (EU) 2018/605):

The substance does not have any endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

3.1. Substances

Water

CAS no.: 7732-18-5

EC no.: 231-791-2

Content: 100%

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3.2. Mixtures

Not applicable.

SECTION 4: First aid measures

4.1. Description of first aid measures

Skin contact:

Not applicable.

Eye contact:

Not applicable.

Inhalation:

Not applicable.

Ingestion:

Not applicable.

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

None.

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

None.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Not applicable.

Unsuitable extinguishing media: Not applicable.

5.2. Special hazards arising from the substance or mixture

The product is not flammable.

5.3. Advice for firefighters

Not applicable.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: no special requirements.

For emergency responders: no special requirements.

6.2. Environmental precautions

No special requirements.

6.3. Methods and material for containment and cleaning up

No special requirements.

6.4. Reference to other sections

Refer to protective measures listed in section 8.

Refer to disposal considerations listed in section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

No special requirements.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool area in a properly labelled original container.

7.3. Specific end use(s)

See section 1.2. - no additional recommendations

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values: none

8.2. Exposure controls

Engineering controls:

No special requirements.

Individual protection measures, such as personal protective equipment:

Eye protection:

It is not required.

Skin protection:

Hands:

It is not required.

Other:

It is not required.

Respiratory Protection:

It is not required.

Thermal hazards:

Not applicable.

Environmental exposure controls:

Not applicable.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

a)	Physical state	Liquid
b)	Colour	Colourless
c)	Odour	Odourless
d)	Melting point/freezing point (Does not apply to gases)	0°C
e)	Boiling point or initial boiling point and boiling range	100°C
f)	Flammability (Applies to gases, liquids and solids)	The product is not flammable
g)	Lower and upper explosion limit (Do not apply to solids)	Not applicable
h)	Flash point (Does not apply to gases, aerosols and solids)	Not applicable
i)	Auto-ignition temperature (Only applies to gases and liquids)	Not applicable
j)	Decomposition temperature (Only applies to self-reactive substances and mixtures, organic peroxides, and other substances and mixtures that may decompose)	Not applicable
k)	pH (Does not apply to gases)	No data available
l)	Kinematic viscosity (Only applies to liquids)	No data available
m)	Solubility	Fully soluble in water

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n)	Partition coefficient n-octanol/water (log value)	No data available
o)	Vapour pressure	23 hPa
p)	Density and/or relative density (Only apply to liquids and solids)	1 g/cm ³ (20°C)
q)	Relative vapour density (Only applies to gases and liquids)	No data available
r)	Particle characteristics (Only apply to solids)	Not applicable

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

The substance is not reactive.

10.2. Chemical stability

The substance is stable.

10.3. Possibility of hazardous reactions

No hazardous reactions.

10.4. Conditions to avoid

None.

10.5. Incompatible materials

None.

10.6. Hazardous decomposition products

No decomposition under recommended conditions of use and storage.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

a)	Acute toxicity	Based on the available data, the classification criteria are not met
b)	Skin corrosion/irritation	Based on the available data, the classification criteria are not met
c)	Serious eye damage/irritation	Based on the available data, the classification criteria are not met
d)	Respiratory or skin sensitization	Based on the available data, the classification criteria are not met
e)	Germ cell mutagenicity	Based on the available data, the classification criteria are not met
f)	Carcinogenicity	Based on the available data, the classification criteria are not met
g)	Reproductive toxicity	Based on the available data, the classification criteria are not met
h)	STOT-single exposure	Based on the available data, the classification criteria are not met
i)	STOT-repeated exposure	Based on the available data, the classification criteria are not met
j)	Aspiration hazard	Based on the available data, the classification criteria are not met

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11.2. Information on other hazards

Endocrine disrupting properties

The substance does not have any endocrine disrupting properties.

SECTION 12: Ecological information

12.1. Toxicity

The substance is not classified as hazardous to the environment.

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

The substance does not meet the PBT or vPvB criteria.

12.6. Endocrine disrupting properties

The substance does not have any endocrine disrupting properties.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recommendations for the product: Dispose of in accordance with local regulations. Store in original containers. Waste code should be given at the place of manufacture.

Recommendations for used packaging: Recycle / dispose of packaging waste in accordance with applicable regulations.

Only fully emptied packaging can be recycled.

Directive 2008/98/EC Of The European Parliament And Of The Council of 19 November 2008 on waste and repealing certain Directives as amended

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste as amended

SECTION 14: Transport information

ADR/RID/IMDG/IATA:

14.1. UN number

Not applicable – the product is not classified as dangerous goods for transport

14.2. UN proper shipping name

Not applicable – the product is not classified as dangerous goods for transport

14.3. Transport hazard class(es)

Not applicable – the product is not classified as dangerous goods for transport

14.4. Packing group

Not applicable – the product is not classified as dangerous goods for transport

14.5. Environmental hazards

Not applicable – the product is not classified as dangerous goods for transport

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14.6. Special precautions for user

Not applicable – the product is not classified as dangerous goods for transport

14.7. Maritime transport in bulk according to IMO instruments

Not applicable – the product is not classified as dangerous goods for transport

SECTION 15: Regulatory information

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

EU REGULATIONS:

1. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended.
2. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
3. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 as amended.
4. Regulation (EU) 2016/425 of The European Parliament and of The Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC
5. Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work
6. Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC
7. Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC
8. Commission Directive (EU) 2017/164 of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU
9. Commission Directive (EU) 2019/1831 of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC and amending Commission Directive 2000/39/EC
10. Directive 2008/98/EC Of The European Parliament And Of The Council of 19 November 2008 on waste and repealing certain Directives as amended
11. European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste as amended

The Seveso III Directive

- Directive 2012/18/EU Of The European Parliament And Of The Council of 4 July 2012 on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC

Not applicable

Biocidal products

- Regulation (EU) No 528/2012 Of The European Parliament And Of The Council of 22 May 2012 concerning the making available on the market and use of biocidal products

Not applicable

Explosives precursors

- Regulation (EU) 2019/1148 Of The European Parliament And Of The Council of 20 June 2019 on the marketing and use of explosives precursors, amending Regulation (EC) No 1907/2006 and repealing Regulation (EU) No 98/2013

Not applicable

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Drug precursors

- Regulation (EC) No 273/2004 of The European Parliament And Of The Council of 11 February 2004 on drug precursors

Not applicable

Detergents

- Regulation (EC) No 648/2004 of The European Parliament And Of The Council of 31 March 2004 on detergents

Not applicable

- List of substances subject to authorization (REACH; Annex XIV):

Not applicable

- Candidate list of SVHCs:

Not applicable

- Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (REACH; Annex XVII):

Not applicable

15.2. Chemical safety assessment

No chemical safety assessments.

SECTION 16: Other information

Abbreviations and acronyms, list of relevant hazard statements used in the safety data sheet:

PBT – Persistent, Bioaccumulative and Toxic

vPvB – very Persistent and very Bioaccumulative

ADR – International Carriage of Dangerous Goods by Road

RID – International Carriage of Dangerous Goods by Rail

IMDG – International Maritime Dangerous Goods

IATA – International Air Transport Association

Training:

Not required.

RESOURCES

Annex to Regulation (EU) 2020/878.

Current legislation (Section 15).

Information Agency for Chemical Substances.