



Safety Data Sheet

SDS has been prepared in accordance with Regulation (EC) No. 453/2010

This Safety Data Sheet is written in reference to a sealed glass ampoule containing 10ml of the product named below.

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Substance name: Water

Synonyms:
Distilled water

Product type:
Liquid density standard

Date issued: Apr 2024
Previous: Jun 2022

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

Relevant identified uses: For use in the calibration of density meters.

1.3 Details of the supplier of the Safety Data Sheet

Company: H&D Fitzgerald Ltd.

Address: Cefn Du, Tremeirchion, St Asaph, Denbighshire, LL17 0US, UK

Telephone #: +44 (0)1352 720 774

Email address: admin@density.co.uk

1.4 Emergency telephone number

+44 (0)1352 720 774

Section 2 Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No1272/2008 [CLP]:

Not classified.

2.2 Label elements None.

2.3 Other hazards None.

Section 3 Composition / Information on ingredients

Formula: H₂O **EINECS No:** 231-791-2

Molecular Weight: 18.02g/mol

Section 4 First Aid measures

4.1 Description of first aid measures

Following inhalation: Move the person into fresh air.
If not breathing give artificial respiration. Consult a physician.

Following ingestion: Never give anything by mouth to an unconscious person.
Rinse mouth with water.

Following eye contact: Flush eyes with water as a precaution.

Following skin contact: Rinse off with plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

Section 5 Fire fighting measures	
5.1 Extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
5.2 Special hazards arising from the substance or mixture	No data available.
5.3 Advice for firefighters	Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 Accidental release measures	
6.1 Personal precautions, protective equipment and emergency procedures	
Personal precautions:	Use personal protective equipment. Avoid breathing vapours, mist, or gas. Ensure adequate ventilation.
Protective equipment:	See section 8.
6.2 Environmental precautions	No special environmental precautions required.
6.3 Methods and material for containment and cleaning up	
For disposal see section 13.	

Section 7 Handling and storage	
7.1 Precautions for safe handling	
For precautions see section 2.2.	
7.2 Conditions for safe storage, including any incompatibilities	
Storage precautions:	Store ampoule in the outer packaging until ready to use. Store in a cool place (less than 25°C). Do not store the ampoule once opened, dispose of according to local authority requirements.
7.3 Specific end use	
Recommendations:	Liquid density standard for calibration of density meters.

Section 8 Exposure controls and personal protection	
8.1 Control parameters	
Components with work place control parameters	
Contains no substances with occupational exposure limit values.	
8.2 Exposure controls	
Appropriate engineering controls	
Eye/Face protection:	Wear safety glasses with side shields conforming to EN166
Hand/skin protection:	Use of protective clothing is good industrial practise. Handle with gloves conforming to EN374.
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practise. Wash hands with soap before breaks and at the end of the workday.

Section 9 Physical and chemical properties			
9.1 Information on basic physical and chemical properties			
Appearance: Colourless, liquid	Odour: no data available	Odour threshold: no data available	pH: 6.0-8.0 @ 25 °C
Freezing point: 0 °C	Boiling point & range: 100 °C	Flash point: not applicable	Evaporation rate: no data available
Flammability: no data available	Upper/lower flammability or explosive limits: no data available	Vapour pressure: no data available	Vapour density: no data available
Density of liquid: 998 kgm ⁻³ at 20 °C	Solubility: completely soluble in water	Partition coefficient: n-octanol/water no data available	Auto-ignition temperature: no data available
Decomposition temperature: no data available	Viscosity: no data available	Explosive properties: no data available	Oxidising properties: no data available
9.2 Other information	No data available.		

Section 10 Stability and reactivity	
10.1 Reactivity	No data available.
10.2 Chemical stability	No data available.
10.3 Possibility of hazardous reactions	No data available.
10.4 Conditions to avoid	No data available.
10.5 Incompatible materials	No data available.
10.6 Hazardous decomposition products	No data available.

Section 11 Toxicological information	
11.1 Information on toxicological effects	
Acute toxicity:	No data available.
Skin corrosion/irritation:	No data available.
Serious eye damage/irritation:	No data available.
Germ cell mutagenicity:	No data available.
Carcinogenicity:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity:	No data available.
Specific target organ toxicity – single exposure:	No data available.
Specific target organ toxicity – repeated exposure:	No data available.
Aspiration hazard:	No data available
Additional information:	RTECS: Not available. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12 Ecological information	
12.1 Toxicity	No data available.
12.2 Persistence and degradability	Not applicable.
12.3 Bioaccumulative potential	No data available.
12.4 Mobility in soil	No data available.
12.5 Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
12.6 Other adverse effects	No data available.

Section 13 Disposal considerations	
General requirements:	Observe all national and local environmental regulations.
For small quantities:	Mop up with inert material and dispose of according to local authority requirements.
Contaminated packaging:	Dispose of as unused product.

Section 14 Transport information	
Not classified as dangerous for transport.	

Section 15 Regulatory information	
15.1 Safety health and environmental regulations/legislation specific for the substance or mixture	This safety data sheet complies with the requirements of Regulation (EC) No. 453/2010.
15.2 Chemical safety assessment	No chemical assessment has been carried out for this substance by the supplier.

Section 16 Other information	
Reason for revision:	Biennial review.
Disclaimer	
<p>H&D Fitzgerald Ltd believes that data given here is accurate. It is derived from published information about water. No warranty, expressed or implied, is intended. The data is provided for your information and consideration when using water as a liquid density standard for the calibration of density meters.</p> <p>H&D Fitzgerald Ltd assumes no legal responsibility for its use.</p>	