



# 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

**Mixture name:** Seawater (including coastal and ocean seawater)

**Synonyms:**

**Product type:**

Liquid density standard

**Date issued:** Jun 2022

**Previous:** Feb 2020

### 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:** H<sub>2</sub>O

**EINECS No:** 231-791-2

**Molecular Weight:** 18.02g/mol

No components need to be disclosed according to the applicable regulations.

## 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:**

Wash off with soap and 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.

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

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

<b>Section 7 Handling and storage</b>	
<b>7.1 Precautions for safe handling</b>	
	For precautions see section 2.2.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	
<b>Storage precautions:</b>	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.
<b>7.3 Specific end use</b>	
<b>Recommendations:</b>	Liquid density standard for calibration of density meters.

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

<b>Section 9 Physical and chemical properties</b>			
<b>9.1 Information on basic physical and chemical properties</b>			
<b>Appearance:</b> Colourless, liquid	<b>Odour:</b> no data available	<b>Odour threshold:</b> no data available	<b>pH:</b> 6.0 - 8.0 @ 25 °C
<b>Freezing point:</b> 0 °C	<b>Boiling point &amp; range:</b> 100 °C	<b>Flash point:</b> not applicable	<b>Evaporation rate:</b> no data available
<b>Flammability:</b> no data available	<b>Upper/lower flammability or explosive limits:</b> no data available	<b>Vapour pressure:</b> no data available	<b>Vapour density:</b> no data available
<b>Density of liquid:</b> 1024 - 1029 kgm <sup>-3</sup> at 20 °C	<b>Solubility:</b> completely soluble in water	<b>Partition coefficient: n-octanol/water</b> no data available	<b>Auto-ignition temperature:</b> no data available
<b>Decomposition temperature:</b> no data available	<b>Viscosity:</b> no data available	<b>Explosive properties:</b> no data available	<b>Oxidising properties:</b> no data available
<b>9.2 Other information</b>	No data available.		

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

<b>Section 11 Toxicological information</b>	
<b>11.1 Information on toxicological effects</b>	
<b>Acute toxicity:</b>	No data available.
<b>Skin corrosion/irritation:</b>	No data available.
<b>Serious eye damage/irritation:</b>	No data available.
<b>Germ cell mutagenicity:</b>	No data available.
<b>Carcinogenicity:</b>	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.
<b>Reproductive toxicity:</b>	No data available.
<b>Specific target organ toxicity – single exposure:</b>	No data available.
<b>Specific target organ toxicity – repeated exposure:</b>	No data available.
<b>Aspiration hazard:</b>	No data available
<b>Additional information:</b>	RTECS: Not available. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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

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

<b>Section 14 Transport information</b>	
Not classified as dangerous for transport.	

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

<b>Section 16 Other information</b>	
<b>Reason for revision:</b>	Updated to comply with Regulation (EC) No. 453/2010
<b>Disclaimer</b>	
<p>H&amp;D Fitzgerald Ltd believes that data given here is accurate. It is derived from published information about seawater. No warranty, expressed or implied, is intended. The data is provided for your information and consideration when using seawater as a liquid density standard for the calibration of density meters.</p> <p>H&amp;D Fitzgerald Ltd assumes no legal responsibility for its use.</p>	