



# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH).

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

- 1.1 Product identifier**  
Trade Name Purified water  
CAS No. 7732-18-5
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Identified Use(s) Laboratory chemicals, Manufacture of substances.
- 1.3 Details of the supplier of the safety data sheet**  
Company Identification Micro-Bio (Ireland) Ltd.  
Industrial Estate,  
Fermoy,  
Co. Cork, P61 X977,  
Ireland.  
Telephone +353 (0) 25 31388  
E-Mail (competent person) info@micro-bio.ie
- 1.4 Emergency telephone number**  
Emergency Phone No. +353 (0) 25 31388

## SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture Regulation (EC) No. 1272/2008 (CLP)** Not classified as hazardous.
- 2.2 Label elements** No measures required.
- 2.3 Other hazards** None.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

SUBSTANCE	CAS No.	EC No.	%W/W
Purified Water	7732-18-5	231-791-2	100

Formula: H<sub>2</sub>O

Molecular weight: 18.02 g/mol

## SECTION 4: FIRST AID MEASURES

- 4.1 Description of first aid measures**  
Inhalation Apply artificial respiration if patient is not breathing.  
Skin Contact Not relevant for this material.  
Eye Contact Not relevant for this material.  
Ingestion Not relevant for this material.
- 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

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Suitable Extinguishing media	Not relevant for this material.
<b>5.2 Special hazards arising from the substance or mixture</b>	In case of fire, the following can be released: Steam
<b>5.3 Advice for fire-fighters</b>	The material is non-combustible. Use fire-extinguishing methods suitable to surrounding conditions. Wear full protective suit and self-contained breathing apparatus (SCBA) when extinguishing fires.


## SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	Not normally required.
<b>6.2 Environmental precautions</b>	Not normally required.
<b>6.3 Methods and material for containment and cleaning up</b>	Not normally required. Allow to evaporate.
<b>6.4 Reference to other sections</b>	-

## SECTION 7: HANDLING AND STORAGE

<b>7.1 Precautions for safe handling</b>	Not normally required.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	No special requirements.
<b>7.3 Specific end use(s)</b>	Not determined.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>8.1 Control parameters</b>	
<b>8.1.1 Occupational Exposure Limits</b>	The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
<b>8.2 Exposure controls</b>	
<b>8.2.1 Appropriate engineering controls</b>	Not relevant for this material.
<b>8.2.2 Personal protection equipment</b>	
Eye/ face protection	Not normally required.
Hand protection(prolonged exposure)	Impervious gloves (EN 374).
	
Material of gloves:	Latex / natural rubber, PVC, Nitrile rubber.
Penetration time of glove material:	Not relevant for this material.
Body protection	Waterproof protective clothing.
Respiratory protection	Not normally required.
<b>8.2.3 Environmental Exposure Controls</b>	No special measures are required.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>9.1 Information on basic physical and chemical properties</b>	
Appearance	Liquid.
Colour.	Colourless.



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Odour	Odourless.
Odour Threshold (ppm)	Not applicable.
pH (Value)	6 - 8
Melting Point (°C) / Freezing Point (°C)	0°C
Boiling point/boiling range (°C):	100°C
Flash Point (°C)	Not applicable.
Evaporation rate (BA = 1)	Not determined.
Flammability (solid, gas)	Not applicable.
Explosive Limit Ranges	Not applicable.
Vapour Pressure (mm Hg)	23 hPa
Vapour Density (Air=1)	Not determined.
Density (g/ml)	1.0
Solubility (Water)	Not applicable.
Solubility (Other)	Not determined.
Partition Coefficient (n-Octanol/water)	Not applicable.
Auto Ignition Point (°C)	Not determined.
Decomposition Temperature (°C)	Not determined.
Viscosity (mPa. s)	Not determined.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising
<b>9.2 Other information</b>	Not available.

## SECTION 10: STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	None known.
<b>10.2 Chemical stability</b>	The product is stable in accordance with the recommended storage conditions.
<b>10.3 Possibility of hazardous reactions</b>	Hazardous polymerisation will not occur.
<b>10.4 Conditions to avoid</b>	Freezing.
<b>10.5 Incompatible materials</b>	Water-reactive materials.Acids.
<b>10.6 Hazardous decomposition products</b>	None known.

## ► SECTION 11: TOXICOLOGICAL INFORMATION

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

#### 11.1.2 Mixtures

Acute toxicity	Based upon the available data, the classification criteria are not met.
Skin corrosion/irritation	Based upon the available data, the classification criteria are not met.
Serious eye damage/irritation	Based upon the available data, the classification criteria are not met.
Respiratory/skin sensitization	Based upon the available data, the classification criteria are not met.
Germ cell mutagenicity	Based upon the available data, the classification criteria are not met.
Carcinogenicity	Based upon the available data, the classification criteria are not met.
Reproductive toxicity	Based upon the available data, the classification criteria are not met.
STOT - single exposure	Based upon the available data, the classification criteria are not met.
STOT - repeated exposure	Based upon the available data, the classification criteria are not met.
Aspiration hazard	Based upon the available data, the classification criteria are not met.



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## Health Effects and Symptoms

Skin Contact No significant harmful effects anticipated.  
Eye Contact No significant harmful effects anticipated.  
Ingestion No significant harmful effects anticipated.

11.2 Information on other hazards Not applicable.

## ► SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity The product does not contain significant quantities of ingredients that are environmentally toxic.  
12.2 Persistence and degradability Not applicable.  
12.3 Bioaccumulative potential None.  
12.4 Mobility in soil Not applicable.  
12.5 Results of PBT and vPvB assessment Not applicable.  
12.6 Endocrine disrupting properties None.  
12.7 Other adverse effects None.

## SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods  
Product: No special requirements. May be released to sewer.  
  
Packaging: Packaging materials may be recycled. Contact your local service providers for further information.

## ► SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number Not applicable  
14.2 UN proper shipping name Not applicable  
14.3 Transport hazard class(es) Not classified as dangerous for transport.  
14.4 Packing group Not applicable  
14.5 Environmental hazards Not applicable  
14.6 Special precautions for user Not applicable  
  
14.7 Maritime transport in bulk according to IMO instruments Not applicable

## SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture None.  
  
15.2 Chemical Safety Assessment Not applicable.

## SECTION 16: OTHER INFORMATION

### LEGEND

STOT Specific Target Organ Toxicity

### Additional Information

Reason for update: Update in accordance with Regulation (EU) 2020/878.  
SECTION 1: SECTION 11: SECTION 12: SECTION 14:



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► Indicates altered section

Supersedes:

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