



SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product Identifier

Product Name	2 Pure Demineralised Water	
Proper shipping name	Electro deionized water	
Other means of identification	Item code: MPC-D1L	Size: 1 Litre
	Item code: MPC-D2.5L	Size: 2.5 Litres
	Item code: MPC-D5L	Size: 5 Litres
	Item code: MPC-D10L	Size: 10 Litres
	Item code: MPC-D20L	Size: 20 Litres
	Item code: MPC-D1000L	Size: 1000 Litres/IBC

Recommended use of the chemical and restrictions on use

Relevant identified uses	Suspending agent, solvent, diluent, carbonated beverages, hydration tile processing, paper coatings, moderator in nuclear reactors, debarking logs, filtration, industrial coolant, washing, sulfur mining, hydrolysis, Portland cement, hydraulic systems, power source, steam generation, food industry, source of hydrogen by electrolysis and thermochemical decomposition. Distilled water for use in secondary batteries in critical applications is required to meet AS 2668-1983
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Details of the supplier of the safety data sheet

Registered Company Name	MPC World Group Pty Ltd
Address	88-92 Micro Circuit Dandenong South VIC 3175 Australia
Telephone	1800 692 782
Email	roshan@mpcworldgroup.com

Emergency telephone number

Association / Organisation	POISONS INFORMATION CENTRE
Emergency telephone numbers	Poisons Information Centre (phone 13 11 26),

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

NON-HAZARDOUS CHEMICAL. NON-DANGEROUS GOODS. According to the WHS Regulations and the ADG Code.

Label elements

GSH label elements	Not Applicable
Signal Word	Not Applicable

Hazard Statements

Not Applicable

Precautionary statement(s) Prevention

Not Applicable

Precautionary statement(s) Response

Not Applicable

Precautionary statement(s) Storage

Not Applicable

Precautionary statement(s) Disposal

Not Applicable

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Identity	CAS Number	%
Water	7732-18-5	100%

SECTION 4. FIRST AID MEASURES

Description of first aid measures

Eye Contact	Generally not applicable.
Skin Contact	Generally not applicable.
Ingestion	Generally not applicable.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing Media

Generally not applicable.

Specific Hazards arising from the substrate or mixture

Fire Incompatibility	Generally not applicable.
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Special protective action for firefighters

Fire Fighting	Generally not applicable.
Fire /Explosion Hazard	Generally not applicable.
Hazchem Code	Not applicable.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

See Section 8.

Environmental precautions

See Section 12.

Methods and material for containment and cleaning up

Minor Spills	Clean up all spills immediately.
Major Spills	Clean up all spills immediately.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Advise on safe handling	Generally not applicable.
Other Information	<ul style="list-style-type: none">• Store in original containers.• Keep containers securely sealed.• Store in a cool, dry, well-ventilated area.• Store away from incompatible materials and foodstuff containers.• Protect containers against physical damage and check regularly for leaks.• Observe manufacturer's storage and handling recommendations contained within this SDS.

Conditions for safe storage, including any incompatibilities

Suitable Container	<ul style="list-style-type: none">• Polyethylene or polypropylene container.• Packing as recommended by manufacturer.• Check all containers are clearly labelled and free from leaks.
Storage Incompatibilities	None known.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| Occupational Exposure Limits (OEL)

Ingredient Data

Not Applicable

Emergency Limits

Ingredient	Mineral Name	TEEL-1	TEEL-2	TEEL-3
DEMINERALISED WATER. CONDUCTIVITY 5US/CM	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Ingredient	Original IDLH	Revised IDLH
Water	Not Applicable	Not Applicable

Appropriate engineering controls

Engineering controls	Generally not applicable.
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Individual protection measures, such as personal protective equipment

Eye/face protection	Generally not applicable.
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Skin/body protection	Generally not applicable.
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Hand protection	Generally not applicable.
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Other protection	Generally not applicable.
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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colourless, tasteless liquid. Polar liquid. Allotropic forms are ice and steam. Viscosity @ 20 deg. C. is 0.01002 poise.
Odour	Odourless
Odour threshold	Data is not available
pH	7
Melting point/freezing point	0
Boiling point and boiling range	100
Flash point	Not applicable.
Evaporation rate	Slow

Flammability	Not applicable.
Flammable Limits – Lower	Not applicable.
Flammable Limits – Upper	Not applicable.
Vapour pressure	2.33 @ 20 degC.
Vapour density	>1
Solubility	Mixes
Partition coefficient: n-octanol/water	Not applicable.
Auto-ignition temperature	Not applicable.
Decomposition temperature	Not applicable.
Viscosity	Data is not available

Other physical/chemical parameters

Saturated vapour concentration	Not applicable.
Partition coefficient n-octanol / water	Not applicable.
Auto-ignition temperature (°C)	Not applicable.
Decomposition temperature	Not applicable.
Viscosity (cSt)	Not applicable.
Molecular weight (g/mol)	18.02
Taste	Not applicable.
Explosive properties	Not applicable.
Oxidising properties	Not applicable.
Surface Tension (dyn/cm or mN/m)	Not applicable.
Volatile Component (%vol)	100
Gas group	Not applicable.

pH as a solution (1%)	7
VOC g/L	Not applicable.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	See section 7
Chemical Stability	Product is considered stable and hazardous polymerisation will not occur.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Information of likely routes of exposure

Product information

Inhalation	Generally not applicable
Eye contact	Generally not applicable
Skin contact	Generally not applicable
Ingestion	Generally not applicable

	Toxicity	Irritation
Water	Oral (rat) LD50: >90000 mg/kg ^[2]	Not Available

Legend:	1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.* Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances
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Water	No significant acute toxicological data identified in literature search.
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Skin corrosion/irritation	No information available.
Serious eye damage / eye irritation	No information available.
Respiratory or skin sensitisation	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Target organ effects	No information available.
Aspiration hazard	No information available.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

	End Point	Test Duration (hr)	Species	Value	Source
Water	LC50	96	Fish	897.520mg/L	3
Water	EC50	96	Algae or other aquatic plants	8768.874mg/L	3

Legend:	Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Suite V3.12 (QSAR) - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data
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Persistence and degradability:

Ingredient	Persistence: Water/Soil	Persistence: Air
Water	LOW	LOW

Bioaccumulative potential:

Ingredient	Bioaccumulation
Water	LOW (LogKOW = -1.38)

Persistence and degradability:

Ingredient	Mobility
Water	LOW (KOC = 14.3)

SECTION 13. DISPOSAL CONSIDERATION

Waste treatment methods

Product / Packaging disposal	Generally not applicable.
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SECTION 14. TRANSPORT INFORMATION

Land Transport ADG

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air Transport IATA

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Marine Transport IMDG

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Labels Required

Hazchem	Not Applicable
Marine Pollutant	NO

SECTION 15. REGULATORY INFORMATION

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

| WATER(7732-18-5) IS FOUND ON THE FOLLOWING REGULATORY LISTS

National Pollutant Inventory

National Inventory Status

National Inventory	Status
Australia - AICS	Yes
Canada - DSL	Yes
Canada - NDSL	No (water)
China - IECSC	Yes
Europe - EINEC / ELINCS / NLP	Yes
Japan - ENCS	Yes
Korea - KECI	Yes
New Zealand - NZIoC	Yes

Philippines - PICCS Yes

USA - TSCA Yes

Taiwan - TCSI Yes

Mexico - INSQ Yes

Vietnam - NCI Yes

Russia - ARIPS Yes

Thailand - TECI Yes

Legend:

*Yes = All CAS declared ingredients are on the inventory
No = One or more of the CAS listed ingredients are not on the inventory and are not exempt from listing (see specific ingredients in brackets)*

SECTION 16. OTHER INFORMATION

Initial Date Not Available
Revision Date 01-April-2025

Disclaimer

This Safety Data Sheet was prepared in good faith from the best information available at that time of issue and is based on the present state of our knowledge and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. MPC World Group Pty Ltd and its Affiliates or Agents shall not be held liable or responsible for any damage or unauthorised use of this information or from contact with this product.

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END OF SAFETY DATA SHEET