



DEMINERALISED WATER 20 LITRE DRUM (11898)

Safety Data Sheet

according to the WHS Regulations

Issue date: 20/06/2022 Date of revision: 31/01/2023 Supersedes: 20/06/2022 Version: 1.0

SECTION 1: Product identifier

1.1. GHS Product identifier

Product form	: Substance
Substance name	: DEMINERALISED WATER 20 LITRE DRUM (11898)
CAS-No.	: 7732-18-5
Product code	: 11898

1.2. Other means of identification

Synonyms	: dihydrogen oxide; H ₂ O; distilled water; aqua; demineralised water; caustic soda liquid; Aquafina; hydrogen oxide (H ₂ O); UltrexII Ultrapure; 1W001; 1W020; 1W021; 97019; 98989; 124185; Distilled water for Secondary Batteries
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1.3. Recommended use of the chemical and restrictions on use

Recommended use	: 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.
Restrictions on use	: Not to be used for any purpose other than the one the product was designed for

1.4. Details of manufacturer or importer

Supplier

Signet Pty Ltd
56 Ingleston Rd
WAKERLEY, QLD 4154
Australia
T +61 (07) 3179 2100
sales@signet.net.au - www.signet.net.au

1.5. Emergency phone number

Emergency number	: Office hours: +61 (07) 3179 2100 Poisons Information Centre (24 h): 13 11 26
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SECTION 2: Hazard identification

2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Not classified

2.2. GHS Label elements, including precautionary statements

Precautionary statements (GHS AU)	: P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P103 - Read carefully and follow all instructions. P201 - Obtain special instructions before use.
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2.3. Other hazards which do not result in classification

No additional information available

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SECTION 3: Composition and information on ingredients

Name	CAS-No.	%
Water	7732-18-5	100

SECTION 4: First aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

4.2. Symptoms caused by exposure

No additional information available

4.3. Medical attention and special treatment

Other medical advice or treatment	: Treat symptomatically.
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SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Unsuitable extinguishing media are not known.

5.2. Specific hazards arising from the chemical

General measures	: No action shall be taken without appropriate training or involving any personal risk. Notify authorities if product enters sewers or public waters.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Exercise caution when fighting any chemical fire. Keep upwind. Fight fire from safe distance and protected location.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: No action shall be taken without appropriate training or involving any personal risk. Notify authorities if product enters sewers or public waters.
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6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area.
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6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up	: Take up liquid spill into absorbent material.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Does not require any specific or particular technical measures.
Storage conditions	: Store in a well-ventilated place. Keep cool.
Information on mixed storage	: Store away from incompatible materials and products. Refer to the detailed list of incompatible materials in section 10 Stability/Reactivity.
Storage area	: Keep out of direct sunlight.
Special rules on packaging	: Position containers so that any labeling information is visible. Keep packaging closed when not in use. Check containers and packaging regularly for leaks and damage.
Packaging materials	: Keep only in original packaging.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

No additional information available

8.2. Monitoring methods

Monitoring methods	: Workplace exposure - General requirements for the performance of procedures for the measurement of chemical agents.
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8.3. Engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
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8.4. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment	: Personal protective equipment (PPE) must be suited to the nature of the work and any hazard associated with the work as identified by the risk assessment conducted. Avoid all unnecessary exposure.
Hand protection	: In case of repeated or prolonged contact wear gloves
Eye protection	: Even though no specific eye irritation data are available, wear eye protection appropriate to conditions of use when handling this material
Consumer exposure controls	: Personal protective equipment (PPE) is not required when handling individual retail pack.
Other information	: PPE compliant to the recommended standards should be selected. The following Australian and New Zealand Standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Industrial Clothing: AS2919, Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS2210.

SECTION 9: Physical and chemical properties

Physical state	: Liquid
Appearance	: Colourless, odourless, tasteless liquid. Polar liquid. Allotropic forms are ice and steam.
Molecular mass	: 18.02 g/mol
Colour	: Colourless
Odour	: Not available
Odour threshold	: No data available
pH	: 7
pH solution	: 7
Relative evaporation rate (butylacetate=1)	: No data available
Melting point / Freezing point	: Melting point: 0 °C
Boiling point	: 100 °C
Flash point	: Not applicable

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Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not applicable
Flammability	: No data available
Vapour pressure	: Vapour pressure: 2.33 kPa at 20°C.
Relative density	: Relative vapour density at 20°C: > 1 (Air=1).
Density	: Relative density: 1 at 3.9 °C. (Water = 1).
Solubility	: Water: Mixes.
Partition coefficient n-octanol/water (Log Pow)	: Not available
Viscosity, kinematic	: 0.01 mm²/s at 20 °C.
Explosive properties	: No data available
Explosive limits	: No data available
Minimum ignition energy	: No data available
VOC content	: Not available
Fat solubility	: No data available

SECTION 10: Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: Strong acids. Strong bases. Strong oxidizers.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Water (7732-18-5)

LD50 oral rat	90000 mg/kg
Skin corrosion/irritation	: Not classified pH: 7
Serious eye damage/irritation	: Not classified pH: 7
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

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Viscosity, kinematic	0.01 mm²/s at 20 °C.
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Water (7732-18-5)

Animal studies and expert judgment for classification	False
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SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

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12.1. Ecotoxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Water (7732-18-5)

Partition coefficient n-octanol/water (Log Pow)	-1.38
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12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

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Partition coefficient n-octanol/water (Log Pow)	Not available
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Water (7732-18-5)

Partition coefficient n-octanol/water (Log Pow)	-1.38
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12.4. Mobility in soil

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Partition coefficient n-octanol/water (Log Pow)	Not available
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Water (7732-18-5)

Partition coefficient n-octanol/water (Log Pow)	-1.38
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12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No additional information available

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Fluorinated greenhouse gases	False
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Water (7732-18-5)

Fluorinated greenhouse gases	False
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SECTION 13: Disposal considerations

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
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SECTION 14: Transport information

ADG	IMDG	IATA
14.1. UN number		
Not regulated	Not regulated	Not regulated
14.2. UN Proper Shipping Name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated

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ADG	IMDG	IATA
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated

14.6. Special precautions for user

Specific storage requirement : No data available
Shock sensitivity : No data available

14.7. Additional information

Other information : No supplementary information available

Transport by road and rail

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

14.8. Hazchem or Emergency Action Code

Hazchem Code : Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial Chemicals (AICIS : Listed
Inventory) status

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Relevant Poisons Schedule number : Unscheduled

15.2. International agreements

No additional information available

SECTION 16: Other information

Indication of changes:

Update of the SDS from former GHS version to the 7th edition of the GHS (GHS 7).

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Data sources

: Safe Work Australia - Code of Practice - Preparation of Safety Data Sheets for Hazardous Chemicals
Safe Work Australia - Code of Practice - Labelling of Workplace Hazardous Chemicals
Safe Work Australia - Workplace Exposure Standards for Airborne Contaminants
Safe Work Australia - Hazardous Chemical Information System (HCIS)
Australian Inventory of Industrial Chemicals (AICIS Inventory)
Environmental Protection Authority - Hazardous Substances (Hazard Classification) Notice 2020
Environmental Protection Authority - Hazardous Substances (Safety Data Sheets) Notice 2017
Environmental Protection Authority - Hazardous Substances (Labelling) Notice 2017
New Zealand - Chemical Classification and Information Database (CCID)
New Zealand - Inventory of Chemicals (NZIoC)
European Chemicals Agency (ECHA) - Annex VI (C&L Inventory)
European Chemicals Agency (ECHA) - REACH Study Results
European Chemicals Agency (ECHA) - REACH Registration Dossiers
United Nations - Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
Uniform Scheduling of Medicines and Poisons (SUSMP)
United Nations Recommendations on the Transport of Dangerous Goods (UNRTDG Model Regulation)
Australian Dangerous Goods Code (ADG Code)
International Air Transport Association Dangerous Goods Regulations (IATA DGR)
International Maritime Dangerous Goods (IMDG Code).

Date of revision

: 31/01/2023

Safety Data Sheet (SDS), Australia

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.