



1 Identification

GHS Product Identifier

DEMINERALISED WATER

Other means of identification

CAS:	7732-18-5
EC:	231-791-2
RTECS:	ZC0110000
ICSC:	N/A
NSC:	147337
Synonyms:	Water Dihydrogen oxide Distilled water Purified water Water vapor Sterile water Water, purified Water, mineral Water, deionized
Proper Shipping Name:	NOT REGULATED FOR TRANSPORT
Chemical Formula:	H ₂ O
Molecular Weight:	18.015 g/mol

Recommended use of the chemical and restriction on use

Industry Uses

Agricultural chemicals (non-pesticidal).
Functional fluids (closed systems).
Processing aids, not otherwise listed.
Surface active agents.

Consumer Uses

Agricultural products (non-pesticidal).
Automotive care products.
Cleaning and furnishing care products.
Distribution and Resale.
Fuels and related products.
Plastic and rubber products not covered elsewhere.

Supplier's details

AQUATRADE WATER TREATMENT CHEMICALS (PTY) LTD

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Spartan, Kempton Park
Gauteng, South Africa
1619

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Isando
Gauteng, South Africa
1600

www.aquatradesa.co.za
sheq@aquatradesa.co.za

Tel: +27 11 394 0752
Tel: +27 87 654 3326 (SDS Enquiries)

Emergency phone number

E le Sar: +27 82 921 0643 (Available Mon - Fri, GMT 5:00 to 20:00)
Spilltech: +27 861 000 366 (Available 24/7)

2 Hazard(s) identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Product is considered to be non-hazardous and not classified.

For the full text of the H-Statements mentioned in this Section, see Section 16.

GHS label elements

Other hazards which do not result in classification

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3 Composition/information on ingredients

Description	CAS Number	EINECS Number	%	Note
Water			100	

4 First-aid measures

Description of necessary first-aid measures

Eyes

No specific treatment is necessary, since this material is not likely to be hazardous.

Skin

No specific treatment is necessary, since this material is not likely to be hazardous.

Ingestion

No specific treatment is necessary, since this material is expected to be non-hazardous.

Inhalation

No specific treatment is necessary since this material is not likely to be hazardous by inhalation.

Notes to Physician

Treat symptomatically and supportively.

Most important symptoms/effects, acute and delayed

None as product is not considered to be hazardous.

Indication of immediate medical attention and special treatment needed, if necessary

None as product is not considered to be hazardous.

5 Fire-fighting measures

Suitable extinguishing media

General Information

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn.

Extinguishing Media

Not available.

Flash Point

Not applicable.

Autoignition Temperature

Not applicable.

Explosion Limits, Lower

Not applicable.

Upper

Not applicable.

Specific hazards arising from the chemical

None as product is not considered to be hazardous.

Special protective actions for fire-fighters

None as product is not considered to be hazardous.

6 Accidental release measures**Personal precautions, protective equipment and emergency procedures****General Information**

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

Environmental precautions

None as product is not considered to be hazardous.

Methods and materials for containment and cleaning up

None as product is not considered to be hazardous.

7 Handling and storage**Precautions for safe handling**

No special handling procedures are required as product is not considered to be hazardous.

Conditions for safe storage, including any incompatibilities

No special storage procedures are required as product is not considered to be hazardous.

8 Exposure controls/personal protection**Control parameters**

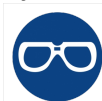
Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Water	none listed	none listed	none listed

Appropriate engineering controls

There are no special ventilation requirements as product is not considered to be hazardous.

Individual protection measures

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors. Recommendations below is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Eye/face protection

Eye protection is generally not required as product is not considered to be hazardous. If used in solution with other products use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Contact lenses should not be worn as they may contribute to severe eye injury.

Hand protection



Hand protection is generally not required as product is not considered to be hazardous. If used in solution with other products handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves.

Body Protection



Body protection is generally not required as product is not considered to be hazardous. If used in solution with other products wear complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is generally not required as product is not considered to be hazardous. If used in solution with other products where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9 Physical and chemical properties

Physical and chemical properties

Appearance (physical state, colour etc):	Clear colourless liquid
Odour:	None reported
Odour threshold:	Not applicable
pH:	Neutral
Melting/Freezing Point:	0° C
Initial boiling point and boiling range:	100° C
Flash point:	Not applicable
Evaporation rate:	Not applicable
Flammability (solid, gas):	Not applicable
Upper/lower flammability or explosive limits:	Not applicable
Vapour pressure:	17.5 mm Hg @ 20° C
Vapour density:	Not available
Relative density:	1.000
Solubility(ies):	Not applicable
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Not available
Viscosity:	1 cP @ 20C

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10 Stability and reactivity

Reactivity

No rapid reaction with air or water.

Water reacts with many substances, including but not limited to alkali metals, hydrides, strong halogenating agents, and

chlorosilanes. These reactions can be hazardous and may result in flammable or toxic gas production, or generation of excessive heat that may cause pressurization to occur. Another reactive hazard is heat of mixing. Mixing substances such as sulfuric acid or sodium hydroxide with water may generate significant heat. Additionally, water is a good solvent for polar molecules, so it can form aqueous solutions if it comes into contact with such molecules.

Chemical stability

Stable under all conditions of storage, handling and transport.

Possibility of hazardous reactions

None except those listed under "Reactivity".

Conditions to avoid

None.

Incompatible materials

None except those listed under "Reactivity".

Hazardous decomposition products

None.

Hazardous Polymerization:

Will not occur.

11 Toxicological information

Toxicological (health) effects

Carcinogenicity

CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology

No data available.

Teratogenicity

No data available.

Reproductive Effects

No data available.

Mutagenicity

No data available.

Neurotoxicity

No data available.

Other Studies

None

Information on the likely routes of exposure

No additional data.

Symptoms related to the physical, chemical and toxicological characteristics

No additional data.

Delayed and immediate effects and also chronic effects from short and long term exposure

No additional data.

Numerical measures of toxicity (such as acute toxicity estimates)

Test	Test Subject	Route	Value
LD ₅₀	Mice	ip	25 000 mg/kg
LD ₅₀	Mice	iv	25 000 mg/kg

LD₅₀ Mice ip 190 000 mg/kg

Interactive effects

No additional data.

Where specific chemical data are not available

No additional data.

Mixtures

No additional data.

Mixture versus ingredient information

No additional data.

Other information

No additional data.

12 Ecological information

Toxicity

No information available.

Persistence and degradability

No additional data.

Bioaccumulative potential

No additional data.

Mobility in soil

No additional data.

Other adverse effects

No additional data.

13 Disposal considerations

Disposal methods

No special disposal methods required.

14 Transport information

UN Number

Not regulated for transport.

UN Proper Shipping Name

Not regulated for transport.

Transport hazard class(es)

Not regulated for transport.

Packing group, if applicable

Not regulated for transport.

Environmental hazards

Not regulated for transport.

Special precautions for user

None except those in sections 4 to 8.

Not applicable.

15 Regulatory information

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

SA NATIONAL LEGISLATION

Hazardous Substances Act 15 of 1973 and Regulations.

Occupational Health and Safety Act 85 of 1993 and Regulations.

SA NATIONAL STANDARDS

SANS 10228 : 2006 : Identification and Classification of Dangerous Goods for Transport by Road and Rail.

SANS 10231 : 2018 : Transport of dangerous goods - Operational requirements for road vehicles.

SANS 10234 : 2008 : Globally Harmonized System of classification and labelling of chemicals (GHS).

SANS 11014 : 2010 : Safety Data Sheets for chemical Products.

REACH Regulation (EC) No 1907/2006

This product contains only components that have been either pre-registered, registered, are exempt from registration, are regarded as registered or are not subject to registration according to Regulation (EC) No. 1907/2006 (REACH)., The aforementioned indications of the REACH registration status are provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. It is the buyer's/user's responsibility to ensure that his/her understanding of the regulatory status of this product is correct.

Seveso III: Directive 2012/18/EU

Listed in Regulation: Not applicable

US FEDERAL

TSCA

CAS# 7732-18-5 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

Section 313 No chemicals are reportable under Section 313.

Clean Air Act

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depleters.

This material does not contain any Class 2 Ozone depleters.

Clean Water Act

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 7732-18-5 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California Prop 65

California No Significant Risk Level: None of the chemicals in this product are listed.

Chemical safety assessment

Not required.

16 Other information**Other information****Full text of H & P - Statements referred to under section 2****Hazard statements**

None

Precautionary statements

None

Labelling REGULATION (EC) No 1272/2008**Signal Word**

None

Pictograms Hazard to Human

None

Pictogram Hazard during Transport

None

Training advice

Provide adequate information, instruction and training for operators.

Compiled by Aquatrade Water Treatment Chemicals (Pty) Ltd, R. van Rooyen, SHEQ Co-ordinator and E. Le Sar, Director.

MANUFACTURER/SUPPLIER DISCLAIMER:

IMPORTANT: This information is given without a warranty or guarantee. No suggestions for use are intended or shall be construed as a recommendation to infringe any existing patents or violate any national or local laws. Safe handling and use is the responsibility of the customer. Read the label before using this product. This information is true and accurate to the best of our knowledge.

Revision History

Revision:	Date:	Change:
1.0	2019/05/22	Preparation of the safety data sheet according to SANS 11014 : 2010 & SANS 10234 : 2008