

Safety Data Sheet

according to 1907/2006/EC, Article 31

Version number 11

Revision: 23.12.2020

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier:

Trade name: Water Solutions, Reagent Water Rw, Calibration Blank, Purified Water, Equilibrated Water, Solution 1.3

Product name/Description/Range:

Ultrapure Water <0.100mg/L C Total Organic Carbon (TOC).

Synonyms: Di Hydrogen Monoxide; Aqua

Altus Science Individual Product Reference: A-3401, A-3405, A-3409, A-4021, A-4041, A-4701, A-4767, A-UPW5, A-9013

Altus Science Kit Reference: A-3400, A-3406, A-3407, A-3408, A-3411, A-3905, A-3910, A-4020, A-4030, A-4040, A-4050, A-4070, A-4080, A-4090, A-4100, A-4800, A-4880, A-4890, A-6001, A-6002, A-6003, A-6020, A-6021, A-6025, A-47070, A-47080, A-47100, A-47105, A-47125, A-47150, A-47200, A-47250, A-47300, A-47310, A-47350, A-47600, A-47700, A-57100, A-57200, A-57300

CAS Number:

7732-18-5

EC number:

231-791-2

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Product category: PC21 Laboratory chemicals

Application of the substance / the mixture: Laboratory chemicals

1.3 Details of the supplier of the safety data sheet:

Manufacturer / Importer / Supplier:

Altus Science Limited

Park House

Manor Park Avenue

Manor Park

Runcorn, Cheshire, WA7 1TL

United Kingdom

Telephone: +44 (0) 1928 238 000

Email address: info@altusscience.com

Further information obtainable from: Product safety department.

1.4 Emergency telephone number:

Tel. +44(0) 1928 238 000 This telephone number can be reached during office hours.

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008:

The substance is not classified according to the CLP regulation.

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008: Void

Hazard pictograms: Void

Signal word: Void

Hazard statements: Void

2.3 Other hazards:

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/Information on Ingredients

3.1 Chemical characterization: Substances:

CAS No. Description:

7732-18-5 water, distilled, conductivity or of similar purity

Identification number(s)

EC number: 231-791-2

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SECTION 4: First Aid Measures

4.1 Description of first aid measures:

General information: No special measures required.

After inhalation: No special measures required.

After skin contact: No special measures required.

After eye contact: No special measures required.

After ingestion: No special measures required.

4.2 Most important symptoms and effects, both acute and delayed: No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

SECTION 5: Firefighting Measures

5.1 Extinguishing media:

Suitable extinguishing agents:

Use fire extinguishing methods suitable to surrounding conditions.

All extinguishing media are possible.

5.2 Special hazards arising from the substance or mixture: No further relevant information available.

5.3 Advice for firefighters:

Protective equipment: Wear self-contained respiratory protective device.

Additional information: Cool endangered tanks with water spray.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures: Not required.

6.2 Environmental precautions: No special measures required.

6.3 Methods and material for containment and cleaning up:

Spills of the product could present a significant slip hazard depending on quantity and surface type.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling: No special measures required.

Information about fire and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities: No special measures required.

Storage: No special requirements.

Requirements to be met by storerooms and tanks: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: No further information.

7.3 Specific end use(s): For professional and industrial users only

SECTION 8: Exposure Controls/Personal Protection

Additional information about design of technical facilities: No further data; see section 7.

8.1 Control parameters:

Ingredients with limit values that require monitoring at the workplace: Not required.

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment: No special protective equipment required.

Respiratory protection: Not required.

Protection of hands: Not required.

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Material of gloves: Not applicable.
Penetration time of glove material: Not applicable.
Eye protection: Not required.
Body protection: Not required.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:

General Information:

Appearance:

Form:	Liquid.
Colour:	Colourless.
Odour:	Odourless.
Odour threshold:	Not determined.

pH-value: 7

Change in condition

Melting point/Melting range:	0 °C
Boiling point/Boiling range:	100 °C

Flash point: Not applicable.

Flammability (solid, gaseous): Not applicable.

Ignition temperature:

Decomposition temperature: Not determined.

Self-igniting: Product is not self-igniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

Vapour pressure at 20 °C: 23 hPa

Density at 20 °C:	1 g/cm ³
Relative density:	Not determined.
Vapour density:	Not determined.
Evaporation rate at 20 °C:	1 (water = 1)

Solubility in / Miscibility with:

Water: Fully miscible.

Partition coefficient (n-octanol/water): Not determined.

Viscosity:

Dynamic at 20 °C:	0.95 mPa.s
Kinematic:	Not determined.

Solvent content:

Oxidizing properties: Does not contain oxidizing properties.

9.2 Other information: No further relevant information available.

SECTION 10: Stability and Reactivity

10.1 Reactivity: No further relevant information available.

10.2 Chemical stability:

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions: No dangerous reactions known.

10.4 Conditions to avoid: No further relevant information available.

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10.5 Incompatible materials: No further relevant information available.
10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects:

Acute toxicity: Based on available data, the classification criteria are not met.

Primary irritant effect:

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitization: Based on available data, the classification criteria are not met.

CMR effects (carcinogenic, mutagenic and reprotoxic):

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reprotoxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12: Ecological Information

12.1 Toxicity:

The product components are not classified as dangerous for the environment or the quantities are not relevant. Not harmful due to concentration.

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability: No further relevant information available.

12.3 Bioaccumulative potential: No further relevant information available.

12.4 Mobility in soil: No further relevant information available.

12.5 Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects: No further relevant information available.

SECTION 13: Disposal Considerations

13.1 Waste treatment methods:

Recommendation: Can be disposed in sewage system.

European waste catalogue:

16 03 03

16 Waste not otherwise specified in the list

16 03 Off-specification batches and unused products

16 03 03 Inorganic waste containing dangerous substances

Depending on the origin and state of waste, other EWC numbers may be applicable too

Contaminated packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport Information

14.1 UN-Number:

ADR,RID,ADN, IMDG, IATA

Void

14.2 UN proper shipping name:

ADR,RID,ADN, IMDG, IATA

Void

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14.3 Transport hazard class(es): ADR,RID,ADN, IMDG, IATA Class:	Void
14.4 Packing group: ADR,RID,ADN, IMDG, IATA	Void
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user:	Not applicable.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:	Not applicable.
UN "Model Regulation":	Void

SECTION 15: Regulatory Information

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

Directive 2012/18/EU:

Named dangerous substances - ANNEX I: None of the ingredients are listed.

National regulations: Not applicable

Water hazard class: Generally not hazardous for water.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other Information

Training hints: Provide training on safe handling considering the type of application and exposure scenarios.

Department issuing SDS: Environment protection department.

Abbreviations and acronyms:

ADN: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (Division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

EC50: Effective Concentration, 50 percent

IOELVS: Indicative Occupational Exposure Limit Values

mPa.s: milliPascal per second

References:

This information is based on the current available data (suppliers of raw materials, chemistry maps, Annex VI)

See also the internet site: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Based on regulations - 1907/2006/EC, 272/2008/EC and directive 2012/18/EU

Revisions were made in sections marked with *.

Disclaimer:

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