

Material Safety Data Sheet (MSDS)

Prepared according to Regulation EC No. 1907/2006

Revision date: 17.03.2023

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

Product name: **Ultrapure Water (nuclease free, not treated with DEPC)**

Product number: 005-15,005-515, 005-1015, 005-2515, 005-10015, 005-5, 005-55, 005-100, 005-250, 005-500

Relevant identified uses: laboratory chemical, for R&D use only.

Uses advised against: undefined.

Supplier:

A&A Biotechnology

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Emergency number: 112

REACH no: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

Laboratory chemicals, Manufacture of substances

2. HAZARDS IDENTIFICATION

Classification and labelling according to regulation (EC) No. 1272/2008

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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

Water	CAS-No 7732-18-5 EC-No 231-791-2	100%
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Formula : H₂O

Molecular Weight : 18.02 g/mol

No components need to be disclosed according to the applicable regulations.

4. FIRST AID MEASURES

If inhaled: Not applicable.

Most important symptoms and effects, both acute and delayed: Not applicable.

5. FIREFIGHTING MEASURES

Suitable extinguishing media: The mixture is not flammable

Special hazards arising from the substance or mixture: Not applicable.

Advice for firefighters: Not applicable.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Not applicable.

Environmental precautions: Not applicable.

Methods and materials for containment and cleaning up: Not applicable.

7. HANDLING AND STORAGE

Precautions for safe handling: No special conditions required.

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

Store at: from -20 °C up to +20 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection: No special protective equipment required.

Skin protection: No special protective equipment required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Form: clear liquid
	Colour: colourless
Odour:	No odour
pH	6,0 - 7,5
Melting point/freezing point	0 °C
Initial boiling point and boiling range	~ 100 °C
Flash point	not applicable
Evaporation rate	no data available
Flammability	the mixture is not flammable
Upper/lower flammability or explosive limits	the mixture is not flammable
Pressure	no data available
Density	~ 1 g/cm ³
Water solubility	Mixed with water without restriction

Other information:

No data

10. STABILITY AND REACTIVITY

Possibility of hazardous reactions: Avoid contact with substances that react violently with water. The product is stable under recommended conditions of use.

Conditions to avoid: Avoid contact with substances that react violently with water

Incompatible materials: none

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:	The product is not hazardous to health
Skin corrosion/irritation:	It does not pose a threat
Serious eye damage/eye irritation:	It does not pose a threat
Respiratory or skin sensitization:	It does not pose a threat

Germ cell mutagenicity:	It does not pose a threat
Carcinogenicity:	
IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity:	It does not pose a threat
Specific target organ toxicity - single exposure:	It does not pose a threat
Specific target organ toxicity - repeated exposure:	It does not pose a threat
Aspiration hazard:	It does not pose a threat

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Endocrine disrupting properties

None of the ingredients are listed.

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12. ECOLOGICAL INFORMATION

Toxicity:	no data available
Persistence and degradability:	no data available
Bioaccumulative potential:	no data available
Mobility in soil:	no data available
Results of PBT and vPvB assessment:	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.
Endocrine disrupting properties:	None of the ingredients are listed.
Other adverse effects:	no data available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods: This material and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

Waste treatment of containers/packaging: It is a dangerous waste; only packages which are approved (e.g. acc. to ADR) may be used.

Relevant provisions relating to waste: The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. W

Sewage disposal-relevant information: Do not empty into drains. Avoid release to the environment.

Remarks: Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions.

14. TRANSPORT INFORMATION

UN number or ID number

