

# 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: **Sterile water (nuclease free, treated with DEPC)**

Product number: **003-075, 003-25, 003-575, 003-500**

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 : H<sub>2</sub>O

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

<b>Appearance:</b>	Form: clear liquid
	Colour: colourless
<b>Odour:</b>	No odour
<b>pH</b>	6,0 - 7,5
<b>Melting point/freezing point</b>	0 °C
<b>Initial boiling point and boiling range</b>	~ 100 °C
<b>Flash point</b>	not applicable
<b>Evaporation rate</b>	no data available
<b>Flammability</b>	the mixture is not flammable
<b>Upper/lower flammability or explosive limits</b>	the mixture is not flammable
<b>Pressure</b>	no data available
<b>Density</b>	~ 1 g/cm <sup>3</sup>
<b>Water solubility</b>	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**

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

<b>Carcinogenicity:</b>	
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.
<b>Reproductive toxicity:</b>	It does not pose a threat
<b>Specific target organ toxicity - single exposure:</b>	It does not pose a threat
<b>Specific target organ toxicity - repeated exposure:</b>	It does not pose a threat
<b>Aspiration hazard:</b>	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

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

ADR/RID/ADN: -

IMDG: -

ICAO-TI: -

**UN proper shipping name**

ADR/RID/ADN: -

IMDG: -

ICAO-TI: -

**Transport hazard class(es)**

ADR/RID/ADN: -

IMDG: -

ICAO-TI: -

**Packing group**

ADR/RID/ADN: -

IMDG: -

ICAO-TI: -

**Environmental hazards**

ADR/RID/ADN: no

IMDG: Marine pollutant:no

ICAO-TI: no

**Special precautions for user:** no data available**Maritime transport in bulk according to IMO instruments:** The cargo is not intended to be carried in bulk**15. REGULATORY INFORMATION**

This safety data sheet complies with the requirements of Regulation (EC) No. 1272/2008.

Alignment to regulation: Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU

**16. OTHER INFORMATION**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. A&A Biotechnology, shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

MSDS has been prepared in accordance with EC regulation 1272/2008/EC and other European Union legislation in force.

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

**DISCLAIMER: For R&D use only. Not for drug, household or other uses.**