

## SECTION 1 – IDENTIFICATION

**Product Identifier:** Water, DEPC-treated  
Biotechnology Grade

**Catalogue Number:** 1170

**Other means of identification:** Not available

**Recommended use of the chemical and restrictions on use:**  
For R&D use only. Not for pharmaceutical, household or other uses.

### Supplier Information:

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Monday – Friday, 8:00 a.m. to 6:00 p.m.  
+65 6775 7318 (Singapore)  
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## SECTION 2 – HAZARDS IDENTIFICATION

### GHS Classification

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

**Other Hazards** - None

## SECTION 3 – COMPOSITION/ INFORMATION ON INGREDIENTS

**Chemical Identity:** Water  
**Synonyms:** H<sub>2</sub>O  
**Molecular Formula:** H<sub>2</sub>O  
**Molecular Weight:** 18.0 g/mol  
**CAS No.:** 7732-18-5  
**EC No.:** 231-791-2

## SECTION 4 – FIRST-AID MEASURES

### Eye Contact

Flush eyes with water as a precaution.

### Skin Contact

Immediately wash skin thoroughly with soap and copious amounts of water.

## Inhalation

Remove to fresh air. If not breathing, give artificial respiration or if breathing is difficult, give oxygen.

## Ingestion

Never give anything by mouth to an unconscious person. Rinse mouth with water.

## Most important symptoms and effects, both acute and delayed

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

## Indication of immediate medical attention and special treatment needed

Data not available.

## SECTION 5 – FIRE-FIGHTING MEASURES

### Extinguishing Media

Use water spray, dry chemical powder, carbon dioxide or alcohol-resistant foam.

### Special Exposure Hazards

Data not available.

### Special Fire-fighting Procedures

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### Further Information

The product itself does not burn.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### Personal Precautions

Data not available.

### Environmental Precautions

Data not available.

### Methods for Cleaning Up

Wipe up with absorbent material and dispose off as general waste.

## SECTION 7 – HANDLING AND STORAGE

### Precautions for safe handling

No special handling methods required.

### Conditions for safe storage, including any incompatibilities

No special storage condition required.

## SECTION 8 – EXPOSURE CONTROLS/ PERSONAL PROTECTION

### Occupational Exposure Limits

We are not aware of any national exposure limit.

### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice.

## Skin/ Hand Protection

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.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

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. This recommendation 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.

## Body protection

No special protective equipment required.

## Respiratory Protection

No special protective equipment required.

## Control of environmental exposure

Prevent product from entering drains.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

|    |   |                            |
|----|---|----------------------------|
| a) | <b>Appearance</b>                                   | Clear, colourless solution |
| b) | <b>Odour</b>  | Odourless                  |
| c) | <b>Odour Threshold</b>                              | Not available              |
| d) | <b>pH (25 °C)</b>                                   | 5.0 – 7.0                  |
| e) | <b>Melting/freezing point</b>                       | 0 °C                       |
| f) | <b>Initial boiling point and boiling range</b>      | 100 °C                     |
| g) | <b>Flash point</b>                                  | Not available              |
| h) | <b>Evaporation rate</b>                             | Not available              |
| i) | <b>Flammability (solid, gas)</b>                    | Not available              |
| j) | <b>Upper/lower flammability or explosive limits</b> | Not available              |

|    |   |                         |
|----|---|-------------------------|
| k) | <b>Vapour pressure (mm Hg)</b>                    | Not available           |
| l) | <b>Vapour density</b>                             | Not available           |
| m) | <b>Relative density</b>                           | 1.000 g/cm <sup>3</sup> |
| n) | <b>Water solubility</b>                           | Completely miscible     |
| o) | <b>Partition coefficient:<br/>n-octanol/water</b> | Not available           |
| p) | <b>Autoignition temperature</b>                   | Not available           |
| q) | <b>Decomposition temperature</b>                  | Not available           |
| r) | <b>Viscosity</b>                                  | Not available           |

## SECTION 10 – STABILITY AND REACTIVITY

### Reactivity

Data not available.

### Chemical stability

Stable.

### Possibility of hazardous reactions

Data not available.

### Conditions to avoid

Data not available.

### Incompatible material

Data not available.

### Hazardous decomposition products

Data not available.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### Acute toxicity

LD50 Oral - Rat - > 90.000 mg/kg

### Skin corrosion/irritation

Data not available.

### Serious eye damage/eye irritation

Data not available.

### Respiratory or skin sensitization

Data not available.

**Germ cell mutagenicity**

Data not available.

**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**

Data not available.

**Specific target organ toxicity – single exposure**

Data not available.

**Specific target organ toxicity – repeated exposure**

Data not available.

**Aspiration hazard**

Data not available.

**Other information**

RTECS: ZC0110000

**SECTION 12 – ECOLOGICAL INFORMATION****Toxicity**

Data not available.

**Persistence and degradability**

Not applicable.

**Bioaccumulative potential**

Data not available.

**Mobility in soil**

Data not available.

**Other adverse effect**

Data not available.

**SECTION 13 – DISPOSAL CONSIDERATIONS****Product**

Product may be disposed off as general waste.

**Contaminated packaging**

Dispose off as unused product.

**SECTION 14 – TRANSPORT INFORMATION****UN Number**

ADR/RID: -

IMDG: -

IATA-DGR: -

**UN Proper Shipping Name:**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA-DGR: Not dangerous goods

**Transport Hazard Class(es)**

ADR/RID: -

IMDG: -

IATA-DGR: -

**Packing Group**

ADR/RID: -

IMDG: -

IATA-DGR: -

**Environmental Hazards**

ADR/RID: no

IMDG: marine pollutant: no

IATA-DGR: no

**Special Precaution for Users**

Data not available

**SECTION 15 – REGULATORY INFORMATION****Safety, health and environmental regulations/legislation specific for the substance or mixture**

Data not available

**SECTION 16 – OTHER INFORMATION****Date of Issue:** JULY 11, 2008**Date of Revision:** MAY 01, 2017

*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. Axil Scientific Pte Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.*