



# SAFETY DATA SHEET

[Required under safety and health regulations for shipping and handling]

Version: 2023

Date Updated: January 27, 2023

## SECTION 1. ----- PRODUCT AND COMPANY IDENTIFICATION-----

Product Name Water, deionized  
 Product Code(s) WC8800  
 Recommended Use For Laboratory Research Use Only  
 Not for Human or Animal Drug Use

Supplier Bio Basic Inc.  
 Address 20 Konrad Crescent, Markham, Ontario,  
 Canada, L3R 8T4  
 Telephone (905) 474 4493  
 Fax (905) 474 5794  
 For Chemical Emergency Phone# (416) 995 9730

## SECTION 2. ----- HAZARDS IDENTIFICATION -----

### Classification of the substance or mixture

Not a hazardous substance or mixture.

### GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

### Hazards not otherwise classified (HNOC) or not covered by GHS

- none

## SECTION 3. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

Chemical Name	EC No.	CAS-No	Weight %
Water	231-791-2	7732-18-5	<100

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

## SECTION 4. ----- FIRST-AID MEASURES-----

### General advice

No hazards which require special first aid measures.

### If inhaled

After inhalation: fresh air.

### In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

### In case of eye contact

After eye contact: rinse out with plenty of water. Remove contact lenses.

### If swallowed

After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**Indication of any immediate medical attention and special treatment needed**

No data available

**SECTION 5. ----- FIRE FIGHTING MEASURES -----**

**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Special hazards arising from the substance or mixture**

Nature of decomposition products not known. Not combustible.

**Advice for firefighters**

No data available

**Further information**

The product itself does not burn.

**SECTION 6. ----- ACCIDENTAL RELEASE MEASURES-----**

**Personal precautions, protective equipment and emergency procedures**

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Evacuate the danger area, observe emergency procedures, consult an expert.  
For personal protection see section 8.

**Environmental precautions**

No special precautionary measures necessary.

**Methods and materials for containment and cleaning up**

Wipe up with absorbent material (e.g. cloth, fleece).

**6.1 Reference to other sections**

For disposal see section 13.

**SECTION 7. ----- HANDLING AND STORAGE-----**

**Precautions for safe handling**

For precautions see section 2.

**Conditions for safe storage, including any incompatibilities**

No special storage conditions required.  
Storage class (TRGS 510): 12: Non Combustible Liquids

**Specific end use(s)**

Apart from the uses mentioned in section 1 no other specific uses are stipulated

**SECTION 8. ----- EXPOSURE CONTROLS/PERSONAL PROTECTION-----**

**Exposure controls**

**Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Change contaminated clothing. Wash hands after working with substance.

**Personal protective equipment**

**Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses.

**Skin protection**

Not required.

### Respiratory protection

Not required; except in case of aerosol formation.

### Control of environmental exposure

No special precautionary measures necessary

## SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -

### Information on basic physical and chemical properties

- |  |   |
|--|---|
| a) Appearance                                      | Form: liquid<br>Color: colorless              |
| b) Odor  | No data available                             |
| c) Odor Threshold                                  | No data available                             |
| d) pH  | 6.0 - 8.0 at 25 °C (77 °F)                    |
| e) Melting point/freezing point                    | Melting point/range: 0.0 °C (32.0 °F)         |
| f) Initial boiling point and boiling range         | 100 °C 212 °F - lit.                          |
| g) Flash point                                     | ( )No data available                          |
| h) Evaporation rate                                | No data available                             |
| i) Flammability (solid, gas)                       | No data available                             |
| j) Upper/lower flammability or explosive limits    | No data available                             |
| k) Vapor pressure                                  | No data available                             |
| l) Vapor density                                   | No data available                             |
| m) Relative density                                | 1.000 g/cm <sup>3</sup> at 3.98 °C (39.16 °F) |
| n) Water solubility                                | completely miscible                           |
| o) Partition coefficient: log Pow: n-octanol/water | -0.467 - Bioaccumulation is not expected.     |
| p) Autoignition temperature                        | No data available                             |
| q) Decomposition temperature                       | No data available                             |
| r) Viscosity                                       | No data available                             |
| s) Explosive properties                            | No data available                             |
| t) Oxidizing properties                            | None  |

### Other safety information

No data available

## SECTION 10. - - - - - STABILITY AND REACTIVITY - - - - -

### Reactivity

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

No data available

**Conditions to avoid**

No data available

**Incompatible materials**

Strong oxidizing agents

**Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions.- Nature of decomposition products not known.

In the event of fire: see section 5

**SECTION 11. ----- TOXICOLOGICAL INFORMATION -----****Acute toxicity**

LD50 Oral - Rat - > 90,000 mg/kg

Remarks: (RTECS)

Inhalation: No data available

Dermal: No data available No data available

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Additional Information**

RTECS: ZC0110000

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

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**SECTION 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**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects**

No ecological problems are to be expected when the product is handled and used with due care and attention.

**SECTION 13. ----- DISPOSAL CONSIDERATIONS -----**

**Product**

Taking into account local regulations the product may be disposed of as waste water after neutralization.

**SECTION 14. ----- TRANSPORT INFORMATION -----**

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**Further information**

Not classified as dangerous in the meaning of transport regulations.

**SECTION 15. ----- REGULATORY INFORMATION -----**

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

**SECTION 16. ----- OTHER INFORMATION -----**

Further information: no limited for paper copy, just for internal uses.  
For research use only. Not intended for human or animal diagnostic or therapeutic uses.

**Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**Issuing Date:** 27-Nov-2020

**End of SDS**