



Preparing for the New Era of Laboratories

# MATERIAL SAFETY DATA SHEET (MSDS)

According to regulation (EU) no.1907/2006

## **WATER HPLC/ SPECTROSCOPY**

PRODUCT CODE : B-3079

CAS No : 7732-18-5

FORMULA : H<sub>2</sub>O

UN No : Not Applicable

website : [www.labotiq.net](http://www.labotiq.net)

**MATERIAL SAFETY DATA SHEET (SDS/MSDS)**  
**WATER HPLC/SPECTROSCOPY**

MSDS Number : 0411

Date : November 8<sup>th</sup>, 2024

Version : 1.0

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- 1.1 Product Name** : WATER HPLC/SPECTROSCOPY  
**Synonyms** : Dihydrogen oxide, Deionized water, Aqua  
**CAS No.** : 7732-18-5  
**HS Code** : 2853 90 10  
**Chemical Formula** : H<sub>2</sub>O  
**Molecular Weight** : 18.02 g/mol  
**Product Code** : B-3079  
**Brand** : Labotiq  
**1.2 Manufacturer** : Labotiq  
**Address** : Jl.Terapi Raya AD2-Bumi Menteng Asri Bogor, Jawa Barat Indonesia – 16111  
**Website** : [www.labotiq.net](http://www.labotiq.net)  
**Email** : [labotiq.id@gmail.com](mailto:labotiq.id@gmail.com)  
**For information** : Phone : (+62-251) 839110, 8311662, Fax : (+62-251) 83135710  
**Emergency number** : +6281316894650  
**1.3 Application** : Laboratory chemicals, Manufacture of substances, General Chemical reagent

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

**2.2 Label elements**

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

**2.3 Other hazards**

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.

**Ecological information:**

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.

**Toxicological information:**

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.

**SECTION 3: Composition/information on ingredients****3.1 Substances**

- Synonyms** : Dihydrogen Oksida, Deionized water, Aqua  
**Formula** : H<sub>2</sub>O  
**Molecular weight** : 18.02 g/mol  
**CAS-No.** : 7732-18-5  
**EC-No.** : 231-791-2

# **MATERIAL SAFETY DATA SHEET (SDS/MSDS)**

## **WATER HPLC/SPECTROSCOPY**



MSDS Number : 0411

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### **3.2 Mixture**

**Hazardous ingredients according to Regulation (EC) No 1272/2008**

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

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General advice**

No hazards which require special first aid measures.

### **4.2 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

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

No data available

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

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

#### **Unsuitable extinguishing media**

For this substance/mixture no limitations of extinguishing agents are given.

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

Not combustible.

### **5.3 Advice for firefighters**

none

### **5.4 Further information**

none

## **SECTION 6: Accidental release measures**

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

For personal protection see section 8.

### **6.2 Environmental precautions**

No special precautionary measures necessary.

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

Observe possible material restrictions (see sections 7 and 10). Pour into drain.

### **6.4 Reference to other sections**

For disposal see section 13.

## **SECTION 7: Handling and storage**

# **MATERIAL SAFETY DATA SHEET (SDS/MSDS)**

## **WATER HPLC/SPECTROSCOPY**



MSDS Number : 0411

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### **7.1 Precautions for safe handling**

For precautions see section 2.2

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

#### **Storage conditions**

No special storage conditions required.

#### **Storage class**

Storage class (TRGS 510): 12: Non Combustible Liquids

### **7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**Ingredients with workplace control parameters**

### **8.2 Exposure controls**

#### **Appropriat engineering controls**

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product

#### **Personal protective equipment**

##### **Eye/face protection**

not required

##### **Skin 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 Regulation (EU) 2016/425 and the standard EN 374 derived from it.

##### **Full contact**

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Material tested: Dermatril®

##### **Splash contact**

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Material tested: Dermatril®

##### **Body Protection**

No special protective equipment required.

##### **Respiratory protection**

No special protective equipment required.

# MATERIAL SAFETY DATA SHEET (SDS/MSDS)

## WATER HPLC/SPECTROSCOPY



MSDS Number : 0411

Date : November 8<sup>th</sup>, 2024

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**Control of environmental exposure**  
No special precautionary measures necessary.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

|                                              |                                                    |
|----------------------------------------------|----------------------------------------------------|
| Appearance                                   | Form: liquid                                       |
|                                              | Colour: colourless                                 |
| Odour                                        | No data available                                  |
| Odour Threshold                              | No data available                                  |
| pH                                           | 6,0 - 8,0 at 25 °C                                 |
| Melting point/freezingpoint                  | Melting point/range: 0,0 °C                        |
| Initial boiling point and boiling range      | 100 °C - lit.                                      |
| Flash point                                  | Not applicable                                     |
| Evaporation rate                             | No data available                                  |
| Flammability (solid, gas)                    | No data available                                  |
| Upper/lower flammability or explosive limits | No data available                                  |
| Vapour pressure                              | No data available                                  |
| Density                                      | 1,000 g/cm <sup>3</sup> at 3,98 °C - lit.          |
| Vapour density                               | No data available                                  |
| Relative density                             | No data available                                  |
| Water solubility                             | completely miscible                                |
| Partition coefficient: noctanol/water        | log Pow: -0,467 - Bioaccumulation is not expected. |
| Auto-ignition temperature                    | No data available                                  |
| Decomposition temperature                    | No data available                                  |
| Viscosity                                    | No data available                                  |
| Explosive properties                         | No data available                                  |
| Oxidizing properties                         | No data available                                  |

#### 9.2 Other safety information

No data available

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No data available

#### 10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

#### 10.3 Possibility of hazardous reactions

Violent reactions possible with:

The generally known reaction partners of water.

#### 10.4 Conditions to avoid

no information available

#### 10.5 Incompatible materials

No data available

#### 10.6 Hazardous decomposition products

In the event of fire: see section 5

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## **WATER HPLC/SPECTROSCOPY**



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### **SECTION 11: Toxicological information**

#### **11.1 Information on toxicological effects**

##### **Acute toxicity**

LD50 Oral - Rat - > 90.000 mg/kg

Remarks: (RTECS)

Inhalation: No data available

Dermal: No data available

##### **Skin corrosion/irritation**

No data available

##### **Serious eye damage/eye irritation**

No data available

##### **Respiratory or skin sensitisation**

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 aspiration toxicity classification

##### **Additional Information**

Endocrine disrupting properties

Product:

Assessment : 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. RTECS: ZC0110000 To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### **SECTION 12: Ecological information**

#### **12.1 Toxicity**

No data available

#### **12.2 Persistence and degradability**

No data available

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### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 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.

### 12.6 Other adverse effects

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

Endocrine disrupting properties

Product:

Assessment : 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.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product

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

## SECTION 14: Transport information

### 14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

### 14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

### 14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

### 14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

### 14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

### 14.6 Special precautions for user

No data available

Further information

Not classified as dangerous in the meaning of transport regulations

## SECTION 15: Regulatory information

## **MATERIAL SAFETY DATA SHEET (SDS/MSDS) WATER HPLC/SPECTROSCOPY**



MSDS Number : 0411

Date : November 8<sup>th</sup>, 2024

Version : 1.0

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

### **15.2 Chemical safety assessment**

For this product a chemical safety assessment was not carried out

## **SECTION 16: Other information**

### **National Fire Protection Association (U.S.A.):**

Health: 0

Flammability: 0

Reactivity: 0

### **Further 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. Labotiq shall not be held liable for any damage resulting from handling or from contact with the above product.*

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