

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

1.1 Product identifier

Product name DEIONIZED WATER
CAS-No. 7732-18-5
Product code GN1056

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

Identified uses Chemical for analysis and production.

1.3 Details of the manufacturer of the safety data sheet

Manufacturer RCI LABSCAN LIMITED.
24 Rama 1 Road, Pathumwan, Bangkok 10330 Thailand
Telephone number (662) 613-7911-4
Fax number (662) 613-7915

1.4 Emergency Telephone Number

Emergency phone (662) 613-7911-4

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

This substance is not hazardous according to Regulation (EC) No. 1272/2008 and Directive 67/548/EEC.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

This substance is not need to be labelled in according to Regulation (EC) No. 1272/2008.

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

3.1 Substances

Synonyms Dihydrogen oxide

CAS-No	EC-No	EC-Index-No	Formula	Molecular Weight	Weight %
7732-18-5	-	-	H ₂ O	18.02 g/mol	100

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

This substance is not hazardous ingredients according to Regulation (EC) No 1272/2008.

SECTION 4: First aid measures

4.1 Description of first aid measures

No special precautionary measures necessary.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in section 2.2 and section 11

4.3 Indication of any immediate medical attention and special treatment needed

Not Available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

In adaption to materials stored in the immediate neighborhood.

5.2 Special hazards arising from the substance or mixture

Not Available

5.3 Advice for firefighters

Not Available

5.4 Further information

Not Available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Not Available

6.2 Environmental precautions

Not Available

6.3 Methods and materials for containment and cleaning up

Not Available

6.4 Reference to other sections

For disposal see **Section 13**.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Cannot be stored indefinitely. No further requirements.

7.2 Conditions for safe storage, including any incompatibilities

Keep tightly closed at room temperature. Keep out of direct sunlight.

Storage class 12 (TRGS 510); 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

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice.

Individual protection measures (Personal protective equipment, PPE)

Eye/face protection

Not required.

Skin protection

Not required.

Respiratory protection

Not required.

Environmental exposure controls

No special prevent liquid entering sewers, basements and workpits.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Physical State	Liquid
Color	Colorless
Odour	Odorless
Odour Threshold	Not Available
pH	7 at 20 °C
Melting point/range	0 °C
Boiling point/range	100 °C at 1013 hPa
Flash point	Not applicable
Evaporation rate	Not Available
Flammability (solid, gas)	Not applicable
Explosion limits: lower	Not applicable
upper	Not applicable
Vapor Pressure	23 hPa at 20°C
Relative Vapor Density	Not Available
Density	1.00 g/ml at 20°C
Water solubility	Soluble at 20°C
Partition coefficient (n-octanol/water)	Not Available
Auto-Ignition temperature	Not Available
Decomposition Temperature	Not Available
Viscosity	0.952 mPa.s at 20°C
Explosive properties	Not Explosive
Oxidizing properties	The substance or mixture is not classified as oxidizing.

SECTION 10: Stability and reactivity**10.1 Reactivity**

Not Available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Not Available

10.4 Conditions to avoid

Not Available

10.5 Incompatible materials

Not Available

10.6 Hazardous decomposition products

Not Available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not Available

Skin corrosion/irritation

Not Available

Serious eye damage/eye irritation

Not Available

Respiratory or skin sensitization

Not Available

Germ cell mutagenicity

Not Available

Carcinogenicity

Not Available

Reproductive toxicity

Not Available.

Specific target organ toxicity (STOT) - single exposure

Not Available.

Specific target organ toxicity (STOT) - repeated exposure

Not Available

Aspiration hazard

Not Available

Further information

Not Available

SECTION 12: Ecological information

12.1 Toxicity

Not Available

12.2 Persistence and degradability

Not Available

12.3 Bioaccumulative potential

Not Available

12.4 Mobility in soil

Not 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

Not Available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding law and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste or burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Observe all federal, state, and local environmental regulations.

Contaminated packaging

Disposal in compliance with official regulations. Handle contaminated packaging as hazardous waste in the same way of the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

SECTION 14: Transport information

Not subject to transport regulations.

SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

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

Not Available

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

SECTION 16: Other information

Recommended restrictions

Take notice of labels and safety data sheets for the working.

Reference

Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

Labelling according to EC Directives 67/548 EEC and Regulation (EC) No 1272/2008.

Transportation information according to Recommendations on the Transport of Dangerous Goods, Model Regulations. Twelfth revised edition. United Nations.

Institute for Occupational Safety and Health of the German Social Accident Insurance in Sankt Augustin/Germany, Source: IFA for Databases on hazardous substances (GESTIS).

Further information

Contact to RCI Labscan Limited.

Revision Date

31/03/2025

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