

SAFETY DATA SHEET

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

- a. Product name : Water, Rnase and DNase free Endotoxin Free
- Product Number : W0212
- Brand : BYLABS
- b. Recommended use of the chemical and restrictions on use : **Identified uses**
Laboratory chemicals, For research use only.
- c. Company : 1004, 1005 Ho 510, Misa-daero
Hanam-si, Gyeonggi-do,
Republic of Korea
- d. Telephone : +82 -31-796-2955
Fax : +82 -31-796-2956

SECTION 2: Hazards identification

a. GHS Classification

This material is not classified as hazardous under the Article 104 of the Occupational Safety and Health Act (OSHA). It is not regulated for the MSDS creation and labeling by the provision of Article 110 Paragraph 1 of the OSHA.

b. GHS-Labeling

Pictogram

Signal Word : Not applicable

Hazard Statements

Not applicable

Precautionary Statements

General advice

Not applicable

This material is not classified as hazardous under the Article 104 of the Occupational Safety and Health Act (OSHA). It is not regulated for the MSDS creation and labeling by the provision of Article 110 Paragraph 1 of the OSHA.

c. Other hazards which do not result in classification

none

SECTION 3: Composition/information on ingredients

3a Substances

Formula	:	H ₂ O
Molecular weight	:	18.02 g/mol
CAS-No.	:	7732-18-5
EC-No.	:	231-791-2

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

SECTION 4: First aid measures

a. In case of eye contact

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

b. In case of skin contact

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

c. If inhaled

After inhalation: fresh air.

d. If swallowed

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

e. Most important acute symptoms/effects

No data available

Most important delayed symptoms/effects

No data available

f. Notes to physician

No data available

General advice

No hazards which require special first aid measures.

SECTION 5: Firefighting measures

a. Suitable extinguishing media

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

Extinguishing media which shall not be used for safety reasons

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

b. Specific hazards arising from the chemical

Not combustible. Ambient fire may liberate hazardous vapours.

c. Special protective actions for fire-fighters

In the event of fire, wear self-contained breathing apparatus.

Further information

none

SECTION 6: Accidental release measures

a. 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.

b. Environmental precautions

No special precautionary measures necessary.

c. Methods and materials for containment and cleaning up

Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material (e.g. Chemisorb®). Dispose of properly. Clean up affected area.

SECTION 7: Handling and storage

a. Precautions for safe handling

b. Conditions for safe storage

No special storage conditions required.
Tightly closed.

c. Storage class

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

SECTION 8: Exposure controls/personal protection

a. Control parameters

Contains no substances with occupational exposure limit values.

b. Appropriate engineering controls

No data available

c. Personal protective equipment

Respiratory protection

Not required; except in case of aerosol formation.

Hand protection

not required

Eye protection

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

Hygiene measures

Change contaminated clothing. Wash hands after working with substance.

SECTION 9: Physical and chemical properties

a. Appearance

Form	liquid
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Color	colorless
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b. Odor	No data available
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c. Odor Threshold	No data available
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d. pH	6.0 - 8.0 at 25 °C
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e. Melting point	0.0 °C
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f. Initial boiling point	100 °C - lit.
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g. Flash point	Not applicable
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h. Evaporation rate	No data available
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i. Flammability (solid, gas)	No data available
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j. Lower explosion limit	Not applicable
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Upper explosion limit	Not applicable
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k. Vapor pressure	No data available
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l. Water solubility	completely miscible
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m. Relative vapor density	No data available
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n. Density	1.000 g/cm ³ at 3.98 °C
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o. Partition coefficient: n- octanol/water	log Pow: -0.467 - Bioaccumulation is not expected.
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p. Decomposition temperature	No data available
q. Viscosity, dynamic	No data available
Viscosity, kinematic	No data available
r. Molecular weight	18.02 g/mol

SECTION 10: Stability and reactivity

a. Chemical stability

No data available

b. Possibility of hazardous reactions

Violent reactions possible with:

The generally known reaction partners of water.

c. Conditions to avoid

no information available

d. Incompatible products

No data available

e. Hazardous decomposition products

No data available

Thermal decomposition

No data available

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 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

11.2 Additional Information

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

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

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

12.6 Endocrine disrupting properties

No data available

12.7 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**a. Disposal methods**

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

SECTION 14: Transport information

IMDG

Not dangerous goods

IATA

Not dangerous goods

Further information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information

a. Regulation under the Occupational Safety and Health Act

Harmful Substances Required Permission for Manufacture - Not applicable

Harmful Substances Prohibited from Manufacturing - Not applicable

Harmful Agents to be kept below Occupational Exposure Limits - Not applicable

Controlled Substances Subject to Environment Monitoring - Not applicable

Controlled Substances Subject to Health Examination - Not applicable

Hazardous substances requiring management - Not applicable

Special Management Materials - Not applicable

b. Act on the Registration and Evaluation, etc. of Chemical Substances, Chemicals Control Act

Toxic Chemicals - Not applicable

Restricted Chemicals - Not applicable

Prohibited Chemicals - Not applicable

Accident Precaution Chemicals - Not applicable

c. Dangerous Substances Safety Management Act

Not Applicable to Dangerous Materials

d. Waste Control Act

Follow article 13 of the act to dispose the product waste

e. Other regulations

KECI Number

On the inventory, or in compliance with the inventory

SECTION 16: Other information

a. List of references

b. Issuing date: 2014.07.22

c. Version: 6.6 Revision Date 2024.07.01

e. Further information

This product is offered by BYLABS for research, laboratory or further manufacturing use. Not for human use or consumption.

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