Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



1. Identification of the substance and of the company

Product name DNA Ladder 100 bp

Catalog Number B101-LADDER-100BP, DL-100BP-200, DL-100BP-500

Supplier Information Bento Bioworks Ltd

5 Hancock Road London, E3 3DA United Kingdom

Emergency telephone number Within the USA & Canada: 1-800-424-9300

(CHEMTREC) Outside the USA & Canada: 1-703-741-5970

2. Hazards identification

Classification of the substance or mixture

According to Regulation (EC) No. 1272/2008 (EU-GHS/CLP)

The product contains no substances which are considered to be hazardous to health at their given concentration.

3. Composition / information on ingredients

Hazardous ingredients according to Regulation (EC) No 1272/2008 Not applicable.

4. First aid measures

If inhaled If breathed in, move person into fresh air. If not breathing, give

artificial respiration.

If swallowed Never give anything by mouth to an unconscious person. Rinse mouth

with water.

In case of skin contact

Wash off with soap and plenty of water.

Flush eyes with water as a precaution.

Notes to physician Treat symptomatically.

5. Firefighting measures

Extinguishing media Dry chemical, CO2, water spray or alcohol resistant foam.

Special hazards Not applicable.

Firefighting precautions Wear self-contained breathing apparatus and protective clothing to

prevent contact with skin and eyes.

6. Accidental release measures

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Personal precautions Ensure adequate ventilation. Avoid contact with skin, eyes or

clothing. Use personal protection equipment.

Environmental precautions Avoid discharge into drains and waterways whenever possible.

Methods for cleaning up Soak up with inert absorbent material (sand, diatomite, acid binders,

universal binders, sawdust).

7. Handling and storage

Precautions for safe handling No special precautions required.

Conditions for safe storage No special precautions required. Store at 4°C.

Specific end use(s) For research and educational use only.

8. Exposure controls/personal protection

Engineering Measures Not required.

Personal protective equipment

Respiratory Protection Not required.

Hand Protection Protective gloves for prolonged contact.

Eye Protection Protective safety glasses.

Skin and Body Protection Appropriate protective clothing.

Hygiene Measures Handle in accordance with good safety practice.

9. Physical and chemical properties

Appearance Colourless liquid

Odour Not defined pH value 7.0-7.5

Boiling point Undetermined

Melting point Undetermined

Flash point Not applicable

Autoignition Not applicable

Explosion hazard Not applicable

Vapour pressure No information available Relative density No information available

Water solubility Soluble in water
Other data No other data

10. Stability and reactivity

Chemical stability Stable under normal conditions.

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Hazardous reactions Hazardous reaction has not been reported.

Conditions to avoid No information available.

Incompatible materials Strong oxidizing agents, acids and alkali

Hazardous decomposition No known hazardous decomposition products.

11. Toxicological information

Routes of Exposure

Acute toxicity

Irritation and corrosion

No data available

Sensitisation

No data available

Chronic exposure

Exposure Symptoms

No data available

No data available

Potential Health Effects

Inhalation May cause respiratory tract irritation. May be harmful if inhaled.

Skin May cause skin irritation. May be harmful if absorbed through skin.

Eyes May cause eye irritation.

Ingestion May be harmful if swallowed.

12. Ecological information

Ecotoxicity Do not allow product to reach ground water, water course or sewage

system.

Degradability Biodegradable

Accumulation Does not bioaccumulate.

Mobility No information available.

Further information No information available.

13. Disposal considerations

14. Transport information

ADR/RID/ICAO/IATA class This substance is considered to be non-hazardous for transport.

15. Regulatory information

Labelling according to EU

guidelines

This product is not subject to identification regulations under EU

Directives and the Ordinance on Hazardous Materials.

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US Federal Regulations This product is not subject to regulations under US Toxic Substances

Control Act (TSCA), and SARA 302/313/311/312.

16. Other Information

This information is based on available knowledge and shall be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution.

This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Bento Bioworks Ltd is not held liable for any damage resulting from handling or from contact with the above mentioned products.

References

ECHA https://echa.europa.eu/

TOXNET https://www.nlm.nih.gov/toxnet/index.html

eChemPortal https://www.echemportal.org/