

1. Identification of the substance and of the company

Product name	DNA Gel Stain 10,000x in Water
Catalog number	B101-DNA-STAIN, GG-100, GG-500, GG-1000
Supplier information	Bento Bioworks Ltd 5 Hancock Road London, E3 3DA United Kingdom
Emergency telephone number (CHEMTREC)	Within the USA & Canada: 1-800-424-9300 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.

Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram	Not applicable
Signal word	Not applicable
Hazard statements	Not applicable
Precautionary statements	Not applicable
Other hazards	Not applicable

3. Composition / information on ingredients

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

Component	Nucleic Acid Stain	Water
CAS number	-	7732-18-5
EIN / ECS number	-	231-791-2
Weight %	<1%	99%
REACH registration number	-	-
Classification	-	-

4. First aid measures

Description of first aid measures

If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
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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.
In case of eye contact	Flush eyes with water as a precaution.
Notes to physician	Treat symptomatically.

5. Firefighting measures

Extinguishing media	Dry chemical, CO ₂ , water spray or alcohol resistant foam.
Special hazards	Not applicable.
Firefighting precautions	Burning produces poisonous gases, sulfur oxides. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. Accidental release measures

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	Avoid inhalation of vapour or mist. Avoid direct contact with substance.
Conditions for safe storage	Label and store at room temperature in a dry, well-ventilated place.
Specific end use(s)	For research and educational use only.

8. Exposure controls/personal protection

Engineering Measures	Not required.
Personal protective equipment	
Respiratory Protection	Respiratory protection is not required.
Hand Protection	For prolonged or repeated contact use protective gloves.
Eye Protection	Safety glasses.
Skin and Body Protection	Wear laboratory coat for body protection.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Appearance	Liquid
Odour	Not defined
pH value	Undetermined
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

Reactivity	None known.
Chemical stability	Stable under normal conditions.
Hazardous reactions	Hazardous reaction has not been reported.
Conditions to avoid	Heat, flames and sparks.
Incompatible materials	No data available.
Hazardous decomposition	Hazardous decomposition products formed under fire conditions: carbon oxides and sulfur oxides.

11. Toxicological information

Routes of Exposure

Acute toxicity	No data available
Irritation and corrosion	No data available
Sensitisation	No data available
Chronic exposure	No data available
Exposure Symptoms	No data available

Potential Health Effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	May be harmful if swallowed.
Target Organs	None.

12. Ecological information

Ecotoxicity	No information available.
Degradability	No information available.
Accumulation	No information available.
Mobility	No information available.
Further information	No information available.

13. Disposal considerations

Waste treatment methods	Observe all federal, state, and local environmental regulations. Do not dispose product directly into sewage.
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14. Transport information

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

EU guidelines	This product is not subject to regulations under EU Directives and the Ordinance on Hazardous Materials.
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/