

1. Identification of the substance and of the company

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|---------------------------------------|---|
| 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

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|-------------------|--|
| 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

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|--------------------------|---|
| 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

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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

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|-------------------------------|--|
| 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

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| 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

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|------------------|--------------------------|
| 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

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|-------------------------|---|
| 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

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|--------------------------|-------------------|
| 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

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| 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

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

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|------------------------|---|
| 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

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|-------------|---|
| ECHA | https://echa.europa.eu/ |
| TOXNET | https://www.nlm.nih.gov/toxnet/index.html |
| eChemPortal | https://www.echemportal.org/ |