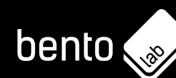


HotSHOT DNA Extraction Kit

Safety Data Sheet

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



1. Identification of the substance and of the company

| | |
|--|---|
| Product name | HotSHOT DNA Extraction Kit |
| Catalog Number | HS-KIT |
| 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.

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. |
| In case of eye contact | Flush eyes with water as a precaution. |
| Notes to physician | Treat symptomatically. |

5. Firefighting measures

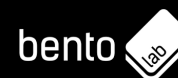
| | |
|--------------------------|--|
| Extinguishing media | Extinguish with dry chemical, CO2, water spray or alcohol resistant foam. |
| Special hazards | Sodium oxides. Nature of decomposition products not known. |
| Firefighting precautions | Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. |

6. Accidental release measures

HotSHOT DNA Extraction Kit

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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. |
| 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 | 12.4 |
| 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 |

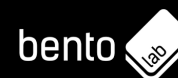
10. Stability and reactivity

| | |
|--------------------|---------------------------------|
| Chemical stability | Stable under normal conditions. |
|--------------------|---------------------------------|

HotSHOT DNA Extraction Kit

Safety Data Sheet

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



| | |
|-------------------------|---|
| Hazardous reactions | Hazardous reaction has not been reported. |
| Conditions to avoid | No information available. |
| Incompatible materials | Acids, Organic materials, Chlorinated solvents, Aluminum, Phosphorus, Tin/tin oxides, Zinc, Strong oxidizing agents. Avoid storage in PET plastics. |
| Hazardous decomposition | No known hazardous decomposition products. |

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 | No specific symptoms known. |
| Skin | No specific symptoms known. |
| Eyes | May cause eye irritation. |
| Ingestion | May be harmful if swallowed. |

12. Ecological information

| | |
|---------------------|--|
| Ecotoxicity | LC50 fish 1 45.4 mg/l (Other, 96 h, Salmo gairdneri, Static system, Fresh water, Experimental value) EC50 Daphnia 1 40.4 mg/l (Other, 48 h, Ceriodaphnia sp., Experimental value) |
| 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. |
|-------------------------|--|

14. Transport information

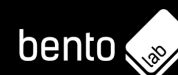
| | |
|-------------------------|---|
| ADR/RID/ICAO/IATA class | This substance is considered to be non-hazardous for transport. |
|-------------------------|---|

15. Regulatory information

HotSHOT DNA Extraction Kit

Safety Data Sheet

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



Labelling according to EU guidelines

This product is not subject to identification 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/>