

# 5x FIREPol® Master Mix Ready to Load

Safety Data Sheet

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



## 1. Identification of the substance and of the company

|                                       |   |
|---------------------------------------|---|
| Product name                          | <a href="#">5x FIREPol® Master Mix Ready to Load</a>                                |
| Catalog Number                        | FRTL-100, FRTL-400, FRTL-1000   |
| Supplier Information                  | Bento Bioworks Ltd<br>5 Hancock Road<br>London, E3 3DA<br>United Kingdom            |
| Emergency telephone number (CHEMTREC) | Within the USA & Canada: 1-800-424-9300<br>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

|                                |   |
|--------------------------------|---|
| <b>If inhaled</b>              | If breathed in, move person into fresh air. If not breathing, give artificial respiration.                                    |
| <b>If swallowed</b>            | Never give anything by mouth to an unconscious person. Rinse mouth with water. Do not induce vomiting without medical advice. |
| <b>In case of skin contact</b> | Wash off with soap and plenty of water. If irritation develops, get medical attention.  |
| <b>In case of eye contact</b>  | Rinse opened eye immediately with plenty of water. If irritation persists, get medical attention.                             |
| <b>Notes to physician</b>      | Treat symptomatically.  |

## 5. Firefighting measures

|                          |  |
|--------------------------|--|
| Extinguishing media      | Dry chemical, CO <sub>2</sub> , 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 | Do not allow to enter surface/sewers or ground water. Prevent further leakage or spillage if safe to do so. |
| 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   | So special precautions needed. Label and store at -20°C. |
| Specific end use(s)           | For research and educational use only.                   |

## 8. Exposure controls/personal protection

### 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. Do not eat, drink or smoke when handling this product. Wash thoroughly after handling. |

## 9. Physical and chemical properties

|                  |                          |
|------------------|--------------------------|
| Appearance       | Green solution           |
| 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 | Easily soluble           |
| 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     | None, if used according to specifications  |
| Incompatible materials  | Strong oxidizing agents, acids and alkali  |
| Hazardous decomposition | No known hazardous decomposition products. |

## 11. Toxicological information

### Routes of Exposure

|                          |  |
|--------------------------|--|
| Acute toxicity           | When used and handled according to specifications, the product does not have any harmful effects to our experience |
| Irritation and corrosion | May cause skin and eye irritation  |
| Sensitisation            | Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals                       |
| Chronic exposure         | No data available  |
| Exposure Symptoms        | No data available  |

### Potential Health Effects

|            |  |
|------------|--|
| Inhalation | May be irritating to mucous membranes and upper respiratory tract. |
| Skin       | May cause skin irritation  |
| Eyes       | May cause eye irritation.  |
| Ingestion  | May be harmful if swallowed.                                       |

## 12. Ecological information

|                     |  |
|---------------------|--|
| Ecotoxicity         | This product is slightly hazardous for water. Do not allow product to reach ground water, water course or sewage system. |
| Degradability       | Inherently biodegradable   |
| Accumulation        | Does not bioaccumulate.  |
| 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. |
|-------------------------|---|

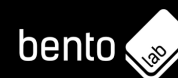
## 15. Regulatory information

|               |   |
|---------------|---|
| 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/>