

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

|   |  |
|---|--|
| <b>Product name</b>                     | 5x HOT FIREPol® Blend Master Mix<br>with 10 mM MgCl <sub>2</sub>                               |
| <b>Catalog number</b>                   | 04-27-00S20<br>04-27-00120<br>04-27-02020<br>04-27-10020                                       |
| <b>Manufacturer/Supplier</b>            | Solis BioDyne<br>Riia 185a, 51014 Tartu<br>Estonia<br>Tel. +372 740 9960<br>Fax. +372 740 2079 |
| <b>Information in case of emergency</b> | Tel. +372 740 9960   |

### 2. COMPOSITION/ INFORMATION ON INGREDIENTS

|  |
|--|
| <b>Hazardous/Non-hazardous Components</b>  |
| The product contains no substances which at their given concentration, are considered to be hazardous to health. |

### 3. HAZARDS IDENTIFICATION

|  |   |
|--|---|
| <b>Hazard description</b>  | Not applicable  |
| <b>Information concerning particular hazards for human and environment</b> | Not applicable  |
| <b>Classification system</b>   | The classification is according to the latest editions of the EU-lists. |

### 4. FIRST-AID MEASURES

|                           |   |
|---------------------------|---|
| <b>Inhalation</b>         | Move to fresh air. If breathing becomes difficult, call a physician.                                  |
| <b>Ingestion</b>          | Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. |
| <b>Skin contact</b>       | Wash off immediately with plenty of soap and water. If irritation develops, get medical attention.    |
| <b>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. FIRE-FIGHTING MEASURES

|                                     |  |
|-------------------------------------|--|
| <b>Suitable extinguishing media</b> | Dry chemical, CO <sub>2</sub> , water spary or alcohol resistant foam.                                 |
| <b>Fire/Explosion hazards</b>       | Not applicable   |
| <b>Protective equipment</b>         | Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. |

## 6. ACCIDENTAL RELEASE MEASURES

|                                  |  |
|----------------------------------|--|
| <b>Personal precautions</b>      | Use personal protective equipment. Ensure adequate ventilation.  |
| <b>Environmental precautions</b> | Do not allow to enter surface/ sewers or ground water. Prevent further leakage or spillage if safe to do so. |
| <b>Methods for cleaning up</b>   | Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).             |

## 7. HANDLING AND STORAGE

|                 |   |
|-----------------|---|
| <b>Handling</b> | No special measures are required for safe handling of this product. |
| <b>Storage</b>  | No special precautions required. Store at -20°C.                    |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

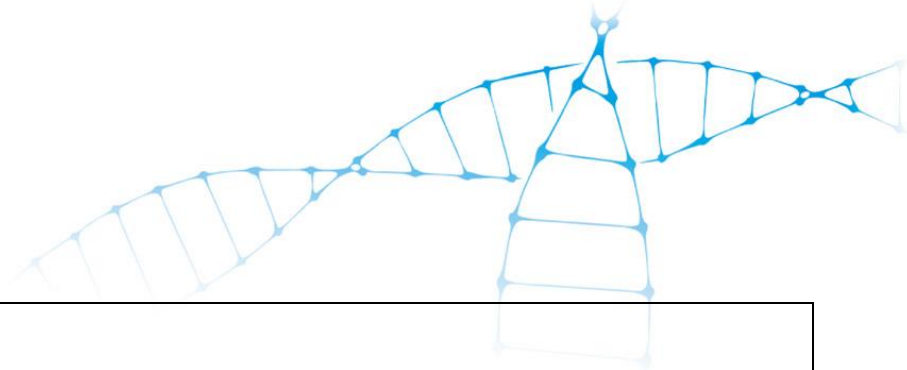
|                                      |  |
|--------------------------------------|--|
| <b>Engineering measures</b>          | Not required, see section 7.   |
| <b>Personal protective equipment</b> |  |
| Respiratory protection               | Not required.  |
| Hand protection                      | Protective gloves.   |
| Eye protection                       | Protective goggles.  |
| Skin and body protection             | Appropriate protective clothing.   |
| Hygiene measures                     | Do not eat, drink or smoke when handling this product. Wash thoroughly after handling. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                         |                          |
|-------------------------|--------------------------|
| <b>Form</b>             | Solution                 |
| <b>Color</b>            | Colorless                |
| <b>Odour</b>            | Not defined              |
| <b>Ph value</b>         | 7.0-7.5                  |
| <b>Boiling point</b>    | Undetermined             |
| <b>Melting point</b>    | Undetermined             |
| <b>Flash point</b>      | Not applicable           |
| <b>Autoflammability</b> | Not applicable           |
| <b>Explosion hazard</b> | Not applicable           |
| <b>Vapour pressure</b>  | No information available |
| <b>Relative density</b> | No information available |
| <b>Water solubility</b> | Easily soluble           |

## 10. STABILITY AND REACTIVITY

|   |   |
|---|---|
| <b>Conditions to avoid</b>              | None, if used according to specifications |
| <b>Materials to avoid</b>               | Strong oxidizing agents, acids and alkali |
| <b>Hazardous decomposition products</b> | No dangerous decomposition products known |



## 11. TOXICOLOGICAL INFORMATION

|   |  |
|---|--|
| <b>Routes of exposure:</b>                  |  |
| Inhalation                                  | Material may be irritating to mucous membranes and upper respiratory tract.  |
| Skin contact                                | May cause skin irritation  |
| Eye contact                                 | May cause eye irritation   |
| <b>Sensitization</b>                        | Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals                       |
| <b>Additional toxicological information</b> | When used and handled according to specifications, the product does not have any harmful effects to our experience |

## 12. ECOLOGICAL INFORMATION

|                      |   |
|----------------------|---|
| <b>Mobility</b>      | No data available   |
| <b>Degradability</b> | Inherently biodegradable  |
| <b>Accumulation</b>  | Does not bioaccumulate  |
| <b>Ecotoxicity</b>   | This product is slightly hazardous for water<br>Do not allow product to reach ground water, water course or sewage system |

## 13. DISPOSAL CONSIDERATIONS

|                                    |  |
|------------------------------------|--|
| <b>Waste handling and disposal</b> | Waste must be disposed of in accordance with federal, state and local environmental control regulations. |
|------------------------------------|--|

## 14. TRANSPORT INFORMATION

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| <b>Land transport ADR/RID (cross-border)</b> |  |
| ADR/RID class                                | no   |
| <b>Air transport ICAO-TI and IATA-DGR</b>    |  |
| ICAO/IATA class                              | no   |
| <b>Additional information</b>                | This substance is considered to be non-hazardous for transport |

## 15. REGULATORY INFORMATION

|   |   |
|---|---|
| <b>Labelling according to EU guidelines</b> | This product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials. |
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## 16. OTHER INFORMATION

This information is based on our present knowledge and shall be used only as a guide. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Solis BioDyne is not held liable for any damage resulting from handling or from contact with the above mentioned products.

HOT FIREPol<sup>®</sup> is a registered trademark of Solis BioDyne.

