

Material Safety Data Sheet (MSDS)

SECTION I - PRODUCT & COMPANY IDENTIFICATION

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|---|---|
| Product name: | Oligonucleotide (Spoligotyping Kit) |
| Product code: | IM9701 |
| Description: | Spoligotyping membrane with Primers and Controls, tubes |
| Product use: | For Research purpose |
| Manufacturer | Mapmygenome India Limited |
| Person responsible for marketing within the community | Mapmygenome |
| Person responsible for MSDS preparation: | Mapmygenome India Limited |
| Information telephone: | +91-40-66986700 |
| Emergency telephone : | +91-40-66986813 |
| Date of MSDS preparation: | November 2020 |

SECTION II - HEALTH HAZARD IDENTIFICATION

Signs and symptoms of overexposure to bacterial powder through primary routes of exposure:

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|---------------|------|
| Skin contact: | None |
| Eye contact: | None |
| Inhalation: | None |
| Ingestion: | None |

SECTION III – DATA ON COMPONENTS

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| Product composition: | Spoligotyping Membrane in Solid in 20mM EDTA. |
| Microbial concentration: | Oligonucleotides in lyophilized form in tubes. |
| Hazardous ingredients: | None |

SECTION IV – FIRST AID MEASURES (If any symptoms persist, seek medical attention)

Emergency and First aid procedures

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|---------------|-----|
| Eye contact: | NA |
| Skin contact: | NA. |
| Inhalation: | NA |
| Ingestion: | NA |

Delayed effect that can be expected after exposure: NA

SECTION V – FIRE FIGHTING MEASURES

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| Conditions of flammability: | NA |
| Extinguishing media: | NA |
| Flash point: | non-flammable. |
| Flammable limits: | Not applicable. |
| Auto-ignition temperature: | NA. |
| Hazardous combustion products: | None. |
| Explosion – sensitivity to mechanical impact: | None. |
| Explosion – sensitivity to static discharge: | None. |
| Firefighting procedures: | NA |

SECTION VI – ACCIDENTAL RELEASE MEASURES

NA

SECTION VII – HANDLING & STORAGE

Handling: NA

Storage: Room Temperature and dry conditions recommended. Containers should be kept sealed and dry.

SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection: NA

Eye contact: NA

Clothing: Suitable protective clothing. Follow current Good Manufacturing Practices when handling food or dietary supplement ingredients and materials.

Specific engineering controls: None.

Environmental exposure control: None.

SECTION IX – PHYSICAL & CHEMICAL PROPERTIES

Microbial concentration: One Membrane in Solid in 20mM EDTA.

Physical state: Solid.

Order : Not determined

Solubility in water : High

Flash Point : Not determined

Classification : Not determined

Stability, reactivity, handling and storage conditions:

Stability : Product is stable under normal handling procedures

Dangerous reactions : No dangerous reactions identified

Handling : Wear suitable protective clothing including lab coat, safety glasses and gloves.

Storage Conditions : Store upon arrival at 4°C

Odour: Not available.

Odour threshold: Not applicable.

Specific gravity: No data available.

Vapour pressure: Not applicable.

Vapour density: Not applicable.

Evaporation rate: Not applicable.

Boiling point: non-alcoholic liquid.

Freezing point: Not applicable.

Melting point: NA

pH: No data available.

Partition coefficient: Not applicable.

Viscosity: Not applicable.

Solubility in water: Highly soluble.

Explosive properties: Not applicable

Oxidising properties: Not applicable

SECTION X – STABILITY AND REACTIVITY

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| Stability: | Non-reactive (stable under normal conditions of use) |
| Incompatibility: | No hazardous incompatibilities. |
| Conditions to avoid: | Avoid high humidity and temperature above 20°C. |
| Materials to avoid | None |
| Hazardous decomposition products: | None. |
| Hazardous polymerization: | None. |

SECTION XI – TOXICOLOGICAL INFORMATION

Product recognized as safe.

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| Effects of short-term exposure: | NA |
| Effects of long-term exposure: | NA |
| Irritancy: | Unknown. |
| Sensitization: | NA |
| Allergy: | NA |
| Carcinogenicity: | NA |
| Reproductive toxicity: | NA |
| Teratogenicity: | NA |
| Mutagenicity: | NA |
| Toxicologically synergistic products: | NA |

SECTION XII – ECOLOGICAL INFORMATION

None

SECTION XIII – DISPOSAL CONSIDERATIONS

None

SECTION XIV – TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

SECTION XV – REGULATORY INFORMATION

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| WHMIS classification for product: | Not a WHMIS regulated product. Product is classified as NIH (National Institute of Health, US) Risk Group I and is not considered to fall within the Canadian Controlled Products Regulations criteria for bio-hazardous infectious materials. This product does not meet the definition of a hazardous material given in the U.S. Occupational Safety and Health administration's Hazard Communication Standard. This product does not require a registration or Chemical Safety Report under EU Regulation 1907/2006. This product is regulated by Regulation (EC) N° 1831/2003 |
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The preparation does not contain dangerous ingredients. Refer to the regulations of the country of import.

SECTION XVI – OTHER INFORMATION

The information herein is based on current available data and is believed to be correct. No warranty, express or implied, is made regarding data accuracy, merchantability or hazards associated with product use. The user is responsible for determining product suitability, conditions of use and all associated hazards. Values listed in this document are not product specifications.