

Safety Data Sheet

1. Product and company name

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| Product Identifier: | Gelacell (Product Code: GC0800RN-CC06/12-B) PLGA, fibrous scaffolds, placed in a polystyrene well plate. |
| Manufacturer: | Gelatex Technologies OÜ Mahtra 30a, 13811, Tallinn, Estonia |
| Recommended Use: | Research on cell culture and its related applications. |
| Restriction on Use: | Not for use other than recommended. Not for use in animals or humans. Not for use in clinical, diagnostic, or therapeutic procedures. |

2. Hazards identification

| GHS classification and label elements | |
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| Hazard statement: | Non-hazardous |
| Hazard pictograms: | Not classified as hazardous |
| Signal word: | Not classified as hazardous |
| Other Hazards | |
| Inhalation: | None related to humans or the environment. |
| Skin Contact: | None in dry conditions. Molten conditions may cause slight irritation. |
| Eye Contact: | May cause slight mechanical irritation. |
| Ingestion: | No effect known or anticipated. |

3. Chemical characterization:

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| Name | Poly Lactic-co-glycolic acid (PLGA) (pharmaceutical grade) |
| CAS-No. | 26780-50-7 |
| The PLGA scaffold is produced by Gelatex Technologies and is placed in a polystyrene well plate. | |
| Name | Polystyrene (PS) |
| CAS-No. | 9003-53-6 |
| The well plate is made of polystyrene and was commercially purchased. | |

4. First aid measures

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| General information: | No special measures required. In case of emergency consult a physician and show this safety data sheet to the doctor. |
| After inhalation: | Supply fresh air. Gargle with water to clear the mouth and throat. Blow nose to evacuate dust. |
| After skin contact: | No effects anticipated. Any irritation washes off with soap and water. |
| After eye contact: | Remove contact lenses (if any). Flush the eyes with water until irritation subsides. |
| After ingestion: | May be temporarily irritant, emergency procedures normally not required. |
| Medical attention: | No information available; for any adversity contact general physician. |

5. Firefighting measures

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| Suitable fire extinguisher: | Water powder foam CO ₂ and sand. Fire-fighting measures should be suited to the surroundings. |
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| Flammable properties: | Can burn in fire releasing toxic vapors. |
| Hazardous combustion: | Toxic fumes of CO, CO ₂ , NO, NO ₂ , RCHO. In case of decomposition flammable gasses can result from smoldering. |
| Special protective equipment for fire-fighting: | As in any fire wear self-contained breathing apparatus pressure-demand and full protective gear. |

6. Accidental release measures

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| Personal precautions: | No special measures or requirements. Good hygiene practice. |
| Environmental precautions: | Nondegradable, dispose according to section 13. |
| Clean-up procedures: | Dry sweeping or vacuum-cleaning to avoid airborne dust. Rest can be flushed with water. |
| Additional information: | No hazardous material is discharged. |

7. Handling and storage

| Precautions for Safe Handling | |
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| Safety Information: | Avoid creating airborne dust formation. |
| Information to fire and explosion protection: | In case of airborne dust use aspiration. Not self-igniting and explosive. |
| Additional Information: | None. |
| Gloves material: | Gloves required due to its usage in aseptic conditions; any smooth texture gloves are preferred like Nitrile gloves. |
| Conditions for Safe Storage | |
| Storage Class | None |
| Storage Information: | Store in a dry environment. Normal room temperature. |

8. Exposure controls

Maintain general industrial or laboratory hygiene practices when using this product.

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| Respiratory protection: | In case of airborne dust, use a mask. |
| Eye protection: | Protective glasses recommended. |
| Skin protection: | None. |
| Hand Protection: | None. Wear gloves as recommended. |

9. Physical and chemical properties

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| Appearance: | Physical state: | Fibrous material and solid |
| | Colour: | White |
| Odor: | Odorless | |
| Odour threshold: | No data available | |
| pH: | 7.4 – 7.5 without observable changes | |
| Melting point/range: | 236 °C | |
| Boiling point/range: | No data available | |
| Flash point: | > 110 °C | |
| Flammability: | No data available | |
| Ignition temperature: | No data available | |
| Evaporation rate | No data available | |
| Lower explosive limit | No data available | |
| Upper explosive limit | No data available | |
| Vapor density (air=1) | No data available | |
| Decomposition temperature: | Not determined. | |
| Self-igniting: | Product is not self-igniting. | |
| Explosion hazard: | Not an explosive. | |
| Solubility: | Not soluble in water. | |

10. Stability and reactivity

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| Stable when stored under proper conditions. | |
| Hazardous products of decomposition: | No data available |
| Hazardous decomposition: | Heating to decomposition releases toxic fumes of carbon monoxide, carbon dioxide, and aldehydes. |
| Reactivity / Incompatibility: | Avoid contact with any oxidizing agents. |

11. Toxicological information

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| Toxicity: | No hazards to be expected. |
| Aspiration: | No data available |
| Skin contact: | No data available |
| Eye contact: | No data available |
| Ingestion: | No data available |

12. Ecological information

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| Ecological toxicity | |
| Fish toxicity: | No data available. |
| Aquatic invertebrates: | No data available. |
| Aquatic plants: | No data available |
| Persistence and degradability: | Product is not biodegradable. |

13. Disposal considerations

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| Material / Mixture: | Disposal according to local regulatory guidelines. Dispose in biohazard bag after cell culture and related studies. |
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| Packaging: | Non-contaminated packaging can be sent to recycling in compliance with national regulations. |
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14. Transport information

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| Not classified as dangerous goods. |
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15. Regulatory information

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| Classification and hazard identification of product: | No hazard pictograms and signal word. |
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