

## Safety Data Sheet

### 1. Product and company name

<b>Product Identifier:</b>	Gelacell (Product Code: GC0800RN-CC06/12/24-B) PLGA, fibrous scaffolds, placed in a polystyrene well plate.
<b>Manufacturer:</b>	GelateX Technologies OÜ Mahtra 30a, 13811, Tallinn, Estonia
<b>Recommended Use:</b>	Research on cell culture and its related applications.
<b>Restriction on Use:</b>	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	
<b>Hazard statement:</b>	Non-hazardous
<b>Hazard pictograms:</b>	Not classified as hazardous
<b>Signal word:</b>	Not classified as hazardous
Other Hazards	
<b>Inhalation:</b>	None related to humans or the environment.
<b>Skin Contact:</b>	None in dry conditions. Molten conditions may cause slight irritation.
<b>Eye Contact:</b>	May cause slight mechanical irritation.
<b>Ingestion:</b>	No effect known or anticipated.

### 3. Chemical characterization:

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

### 4. First aid measures

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

### 5. Firefighting measures

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

## 6. Accidental release measures

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

## 7. Handling and storage

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

## 8. Exposure controls

<b>Maintain general industrial or laboratory hygiene practices when using this product.</b>	
<b>Respiratory protection:</b>	In case of airborne dust, use a mask.
<b>Eye protection:</b>	Protective glasses recommended.
<b>Skin protection:</b>	None.
<b>Hand Protection:</b>	None. Wear gloves as recommended.

## 9. Physical and chemical properties

<b>Appearance:</b>	<b>Physical state:</b>	Fibrous material and solid
	<b>Colour:</b>	White
<b>Odor:</b>		Odorless
<b>Odour threshold:</b>		No data available
<b>Density:</b>		7.36 g/m <sup>2</sup> ± 1 g/m <sup>2</sup>
<b>pH:</b>		7.4 – 7.5 without observable changes
<b>Melting point/range:</b>		236 °C
<b>Boiling point/range:</b>		227 °C
<b>Flash point:</b>		> 110 °C
<b>Flammability:</b>		No data available
<b>Ignition temperature:</b>		No data available
<b>Evaporation rate</b>		No data available
<b>Lower explosive limit</b>		No data available
<b>Upper explosive limit</b>		No data available
<b>Vapor density (air=1)</b>		No data available
<b>Decomposition temperature:</b>		Not determined.

<b>Self-igniting:</b>	Product is not self-igniting.
<b>Explosion hazard:</b>	Not an explosive.
<b>Fibre diameter:</b>	$\cong 1.20 \mu\text{m}$
<b>Solubility:</b>	Not soluble in water.

## 10. Stability and reactivity

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

## 11. Toxicological information

<b>Toxicity:</b>	No hazards to be expected.
<b>Aspiration:</b>	No data available
<b>Skin contact:</b>	No data available
<b>Eye contact:</b>	No data available
<b>Ingestion:</b>	No data available

## 12. Ecological information

<b>Ecological toxicity</b>	
<b>Fish toxicity:</b>	No data available.
<b>Aquatic invertebrates:</b>	No data available.
<b>Aquatic plants:</b>	No data available

<b>Persistence and degradability:</b>	Product is not biodegradable.
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### 13. Disposal considerations

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

### 14. Transport information

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

<b>Classification and hazard identification of product:</b>	No hazard pictograms and signal word.
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