

## Safety Data Sheet

### 1. Product and company name

<b>Product Identifier:</b>	Gelacell (Product Code: GC0801RN-CC06/12/24-B) PCL:PLGA, fibrous scaffolds, placed in 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>	Polycaprolactone (PCL) (PLGA)
<b>CAS-No.</b>	24980-41-4
<b>Name</b>	Poly (lactic-co-glycolic acid) (PLGA)
<b>CAS-No.</b>	34346-01-5
The PCL:PLGA scaffold is produced by Gelatex Technologies and placed in 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.
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## 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>	$\cong 5.6 \text{ g/m}^2$	
<b>pH:</b>	7.4 - 7.5	
<b>Melting point/range:</b>	60 °C	
<b>Boiling point/range:</b>	237 °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	

Vapor density (air=1)	No data available
Decomposition temperature:	Not determined.
Self-igniting:	Product is not self-igniting.
Explosion hazard:	Not an explosive.
Fibre diameter:	$\cong 0.90 \mu\text{m}$
Solubility:	Not soluble in water.

## 10. Stability and reactivity

<b>Stable when stored under proper conditions.</b>	
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

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

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

<b>Aquatic plants:</b>	No data available
<b>Persistence and degradability:</b>	Product is not biodegradable.

### 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.

### 15. Regulatory information

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