

## Safety Data Sheet

### 1. Product and company name

<b>Product Identifier:</b>	Gelacell (Product Code: GC0805AL-WP24-A) PLLA Aligned, fibrous scaffolds affix to PET disc, 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>	Poly - L - Lactide (PLLA)
<b>CAS-No.</b>	26161-42-2
The PLLA scaffold is produced by Gelatex Technologies and fixed in Polyethylene terephthalate disc and placed in Polystyrene well plate.	
<b>Name</b>	Polyethylene terephthalate (PET)
<b>CAS-No.</b>	25038-59-9
The PET sheets were used to fix the scaffolds. It was commercially purchased.	
<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.
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**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.

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.	
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**

Appearance:	Physical state:	Fibrous material and solid
	Colour:	White
Odor:		Odorless
Odour threshold:		No data available
pH:		7.4 - 7.5
Melting point/range:		157 - 170 °C
Boiling point/range:		No data available
Flash point:		No data available
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**

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**

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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