Safety Data Sheet

1. Product and company name

Product Identifier:	Gelacell (Product Code: GC0805RN-CC06/12-B) PLLA, fibrous scaffolds, placed in 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	
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:

Name	Poly - L - Lactide (PLLA)
CAS-No.	26161-42-2
The PLLA scaffold is produced by Gelatex Technologies and placed in 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

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

Suitable fire extinguisher:	Water powder foam CO_2 and sand. Fire-fighting measures should be suited to the surroundings.
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

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	
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.	
Respiratory protection:	In case of airborne dust, use a mask.

www.bocascientific.com • (781) 686-1631 • info@bocascientific.com

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

Ecological toxicity	
Fish toxicity:	No data available.
Aquatic invertebrates:	No data available.
Aquatic plants:	No data available
Persistence and degradability:	Product is biodegradable.

13. Disposal considerations

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

14. Transport information

Not classified as dangerous goods.

15. Regulatory information

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