


## SAFETY DATA SHEET

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifiers
- Product name : LunaGel™ Ultrapure GelMA  
Photocrosslinkable Extracellular Matrix
- Powered by
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- Product description : Laboratory reagent for cell culture
- Product Number(s) : SKU0017, SKU0018
- Brand : Gelomics Pty Ltd
- 1.2 Other means of identification: N/A
- 1.3 Relevant identified uses of the substance of mixture and uses advised against
- Identified uses : **For R&D use only. Not for pharmaceutical, household or other uses.**
- 1.4 Details of the supplier of the safety data sheet
- Company : GELOMICS PTY LTD  
60 Musk Avenue  
Kelvin Grove, QLD 4059  
Australia
- Telephone : +61 1800 865 060
- 1.5 Emergency telephone number
- Emergency Phone # : +61 1800 865 060

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### SECTION 2: Hazards identification

- 2.1 GHS Classification  
Not a hazardous substance or mixture.
- 2.2 GHS Label elements, including precautionary statements  
Not a hazardous substance or mixture.
- 2.3 Other hazards - none

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### SECTION 3: Composition/information on ingredients

- Substance / Mixture : Mixture
- 3.1 Substances  
Synonyms : N/A
- No components need to be disclosed according to the applicable regulations.

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### SECTION 4: First aid measure

- 4.1 Description of first aid measures

If inhaled  
If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact  
Wash off with soap and plenty of water.

In case of eye contact  
Flush eyes with water as a precaution.

If swallowed  
Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed  
No data available

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture  
Carbon oxides, Nitrogen oxides (NO<sub>x</sub>)

5.3 Advice for firefighters  
Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information  
No data available

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures  
Avoid dust formation. Avoid breathing vapours, mist or gas.  
For personal protection see section 8.

6.2 Environmental precautions  
No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up  
Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections  
For disposal see section 13.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling  
Provide appropriate exhaust ventilation at places where dust is formed.  
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities  
Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature 2 - 8 °C

Light sensitive. Heat sensitive. Air sensitive. Handle under nitrogen, protect from moisture.  
Store under nitrogen.

- 7.3 Specific end use(s)  
Apart from the uses mentioned in section 1.3 no other specific.

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## SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters  
Components with workplace control parameters  
Contains no substances with occupational exposure limit values.

- 8.2 Exposure controls  
Appropriate engineering controls  
General industrial hygiene practice.

### Personal protective equipment

#### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

#### Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Control of environmental exposure

No special environmental precautions required.

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## SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

a)	Appearance	Form: fibres Colour: white
b)	Odour	No data available
c)	Odour Threshold	No data available
d)	pH	No data available
e)	Melting point/freezing point	No data available
f)	Initial boiling point and boiling range	No data available
g)	Flash point	No data available
h)	Evaporation rate	No data available

i)	Flammability (solid, gas)	No data available
j)	Upper/lower flammability or explosive limits	No data available
k)	Vapour pressure	No data available
l)	Vapour density	No data available
m)	Relative density	No data available
n)	Water solubility	No data available
o)	Partition coefficient: n-octanol/water	No data available
p)	Auto-ignition temperature	No data available
q)	Decomposition temperature	No data available
r)	Viscosity	No data available
s)	Explosive properties	No data available
t)	Oxidizing properties	No data available

9.2 Other safety information  
No data available

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SECTION 10: Sustainability and reactivity

- 10.1 Reactivity  
No data available
- 10.2 Chemical stability  
Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions  
No data available
- 10.4 Conditions to avoid  
No data available
- 10.5 Incompatible materials  
Strong oxidizing agents
- 10.6 Hazardous decomposition products  
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx)  
Other decomposition products - No data available  
  
In the event of fire: see section 5

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SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity  
No data available
- Skin corrosion/irritation  
No data available
- Serious eye damage/eye irritation  
No data available
- Respiratory or skin sensitization  
No data available
- Germ cell mutagenicity  
No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

No data available

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

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SECTION 14: Transport information

14.1 UN number

ADR/RID: -      IMDG: -      IATA-DGR: -

- 14.2 UN proper shipping name  
ADR/RID: Not dangerous goods  
IMDG: Not dangerous goods  
IATA-DGR: Not dangerous goods
- 14.3 Transport hazard class(es)  
ADR/RID: - IMDG: - IATA-DGR: -
- 14.4 Packaging group  
ADR/RID: - IMDG: - IATA-DGR: -
- 14.5 Environmental hazards  
ADR/RID: no IMDG Marine pollutant: no IATA-DGR: no
- 14.6 Special precautions for user  
None
- 14.7 Incompatible materials  
Strong oxidizing agents

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SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture  
None