

# SAFETY DATA SHEET

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## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier  
 Product name Gelatin methacryloyl (GelMA), Cold Water Fish Skin-derived  
 80% degree of functionalization
- Product Number(s) SKU0014
- Brand Gelomics Pty Ltd
- 1.2 Other means of identification:  
 Gelatin methacrylate  
 Gelatine methacrylamide  
 GelMA.
- 1.3 Relevant identified uses of the substance of mixture and uses advised against
- Identified uses **For R&D use only. Not for use in humans or animals.  
 Not for use in pharmaceutical, household or other applications.**
- 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

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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:  
 Not Applicable.

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substance / Mixture:  
 Substance.
- 3.2 Substance synonyms:  
 Gelatin methacrylate  
 Gelatine methacrylamide



GelMA.

- 3.3 Hazardous Components:  
This product does not contain any hazardous ingredients at concentrations that require disclosure under applicable regulations (GHS, OSHA, REACH, or WHMIS).  
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 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:  
Rinse mouth with water. Never give anything by mouth to an unconscious person.
- 4.2 Most important symptoms and effects, both acute and delayed:  
No notable symptoms or effects.
- 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:  
Development of hazardous combustion gases or vapours possible in the event of fire.
- 5.3 Advice for firefighters:  
In the event of fire, wear self-contained breathing apparatus.
- 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 place.  
Recommended storage temperature: 2 - 8 °C.  
Light sensitive. Heat sensitive. Air sensitive.
- 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.
- 8.3 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 must satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.  
  
Body Protection:  
Not Applicable.  
  
Respiratory protection:  
Respiratory protection is not required.
- 8.4 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

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|----|--|--|
| a) | Appearance                                   | Form: Fibres<br>Colour: White to off-white |
| b) | Odour  | No data available                          |
| c) | Odour Threshold                              | No data available                          |
| d) | pH   | 5-8  |
| 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                             | 200 mg/mL                                  |
| 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: STABILITY 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:  
No data available.
- 10.4 Conditions to avoid:  
No data available.
- 10.5 Incompatible materials:  
None.
- 10.6 Hazardous decomposition products:  
In the event of fire, see Section 5.



Other decomposition products:  
No data available.

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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.

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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.

## 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.

## 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: Not Applicable  
IMDG Marine pollutant: Not Applicable  
IATA-DGR: Not Applicable
- 14.6 Special precautions for user:  
None.
- 14.7 Incompatible materials:  
None.

## SECTION 15: REGULATORY INFORMATION

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

