MATERIAL SAFETY DATA SHEET

Version 1.0, July 2023

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING

- **Product identifiers**

Product Name: **PeptiGel® and PeptiInk®**
Catalogue Number: PA1, PA2, PA4, PG2, PG4, PD1, PA2P, PA4P, PG4P, PIA, PIA4P

- **Relevant identified uses of the substance or mixture and uses advised against**

Research use only. Not for human use.

- **Details of the supplier of the safety data sheet**

Company: Cell Guidance Systems
Maia Building, Babraham Research Campus,
Cambridge CB22 3AT, UK
Web: www.cellgs.com
Email: tech@cellgs.com
Telephone: +44 (0)1223 967316

- **Emergency Information**

In case of a chemical emergency, spill, fire, or exposure, call Cell Guidance Systems at +44 (0) 1223 967316 (09.00 - 17.00 GMT). In US call 760 450 4304.

2. HAZARDS IDENTIFICATION

- **Classification of the substance or mixture**

Non-hazardous.

- **Label elements**

Not a hazardous substance or mixture

- **Other Hazards**

This substance/mixture contains no know hazards.

3. COMPOSITION/INFORMATION ON INGREDIENTS

- **Substances**

Component	CAS No.	Classification	Percentage (weight)
Water	7732-18-5	Non-hazardous	~95%
Peptide	N/A	Not classified	~5%

For full text of H-statements: see SECTION 15.

FIRST AID MEASURES

- **Description of first aid measures**

General advice:	Consult a doctor and show this safety data sheet.
If inhaled:	Remove to fresh air and monitor breathing. If breathing becomes difficult, give oxygen. If breathing stops, give artificial respiration. Consult a doctor.
In case of skin contact:	Immediately wash skin with copious amounts of soap and water and rinse thoroughly. Remove contaminated clothing. Consult a doctor.
In case of eye contact:	Flush with copious amounts of water for several minutes. Consult a doctor.
If swallowed:	Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Consult a doctor.

4. FIRE-FIGHTING MEASURES

- **Classification of substance**

  Non-flammable substance.

- **Suitable extinguishing media**

  Use water spray, carbon dioxide, dry chemical powder or appropriate foam.

- **Special hazards arising from the substance or mixture**

  Carbon oxides may be produced

- **Protective Equipment**

  Wear suitable protective clothing to prevent contact with skin and eyes and self-contained breathing apparatus.

5. ACCIDENTAL RELEASE MEASURES

- **Personal precautions, protective equipment and emergency procedures**

  Use standard laboratory practices including proper personal protective equipment. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of vapours.

- **Environmental precautions**

  Do not let product enter drains.

- **Methods and materials for containment and cleaning up**

  Cover spillage with suitable absorbent material. Using non-spark tools, sweep up material and place in an appropriate container. Ventilate area until after disposal is complete. Hold all material for appropriate disposal as described under section 13 of MSDS.

- **Additional information**

  None

6. HANDLING AND STORAGE

- **Precautions for safe handling**

  No special measures required. No special precautions are necessary if used correctly. Avoid inhalation, contact with eyes, skin and clothing.

- **Conditions for safe storage, including any incompatibilities**

  Keep away from direct sunlight. Keep container tightly sealed until ready for use. Recommended storage temperature: Store at or below 4°C

- **Specific end uses**

  None

7. EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Control parameters**

  No data available.

- **Exposure controls**

Appropriate engineering controls	Ensure all engineering measures described under section 7 of MSDS are in place. Follow usual standard laboratory practices. Use appropriate personal protective work clothing.

- **Personal protective equipment**

Eye / face protection	Use appropriate safety glasses.
Skin protection	Use appropriate chemical resistant gloves. Gloves should be inspected before use. Wash and dry hands thoroughly after handling.
Body protection	Wear appropriate protective clothing.
Respiratory protection	Respiratory equipment is not required.

8. PHYSICAL AND CHEMICAL PROPERTIES

- **Information on basic physical and chemical properties**

Lipid Quantification Reagent

Appearance	Clear gel
Vapor pressure	No data available
Vapor density	No data available
Odor	Odourless
Odor threshold	No data available
Relative density	1.00 g/cm3 @ 20°C
pH	Approx. range: 3-7
Solubility(ies)	No data available
Melting / freezing point	0°C
Partition coefficient	No data available
Boiling point / range	100°C
Auto-ignition temperature	No data available
Flash point	No data available
Decomposition temperature	No data available
Evaporation rate	No data available
Viscosity	No data available
Flammability (solid, gas)	No data available
Explosive properties	No data available
Upper / lower flammability or explosive limits	No data available
Oxidising properties	No data available

- **Other safety information**

  No data available

9. STABILITY AND REACTIVITY

- **Reactivity**
  No data available.

- **Chemical stability**
  Stable under recommended storage conditions.

- **Possibility of hazardous reactions**
  No data available.

- **Conditions to avoid**
  No data available.

- **Incompatible materials**
  No data available.

- **Hazardous decomposition products**
  In the event of fire see section 5.

10. TOXICOLOGICAL INFORMATION

- **Information on toxicological effects**

Acute Toxicity	No data available
Skin corrosion/irritation	May cause skin irritation
Serious eye damage/irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available

11. ECOLOGICAL INFORMATION

- **Ecotoxicity**
  Avoid release to environment.

- **Persistence and degradability**
  No data available.

- **Bio accumulative potential**
  No data available.

- **Mobility in soil**
  No data available.

- **Results of PBT and vPvB assessment**
  Not available.

- **Other adverse effects**
  No data available.

12. DISPOSAL CONSIDERATIONS

- **Waste treatment methods**

Product	Transfer to a suitable container and arrange for collection by specialized disposal company in accordance with national, regional, or local legislation.
Contaminated packaging	Dispose in accordance with national, regional, or local legislation.

13. TRANSPORT INFORMATION

- **UN proper shipping name**

  N/A

- **Non-hazardous for air transport per IATA**

  This substance is considered to be non-hazardous for transport.

14. REGULATORY INFORMATION

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

  No current regulatory information available for material.

15. OTHER INFORMATION

- **Relevant statements**
  - H290 May be corrosive to metals.
  - H302 Harmful if swallowed.
  - H314 Causes severe skin burns and eye damage.
  - H315 Causes skin irritation.
  - H318 Causes serious eye damage.
  - H319 Causes serious eye irritation.

- **Disclaimer**

  THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT INTENDED FOR HUMAN OR ANIMAL DIAGNOSTIC OR THERAPEUTIC USES.

 This company shall not be held liable for any damage resulting from handling or from contact with the above product. This material must only be handled by suitably qualified experienced scientists in appropriately equipped and authorized facilities. The above information is believed to be correct but does not purport to be all inclusive and should be used as a guide only for experienced personnel. Always consult your safety advisor and follow appropriate local and national safety legislature. The absence of warning must not, under any circumstance, be taken to mean that no hazard exists.

End of safety data sheet