



## Safety Data Sheet (SDS) for 'PeptiGel®'

### 1. Identification of the substance/mixture and company/undertaking

#### 1.1 Product Identifier:

Product Identifier	Peptide Hydrogel
Tradename of Substance	PeptiGel®
Synonyms	PeptiInk®

#### 1.2 Relevant identified uses of the substance or mixtures and uses advised against:

Used as a scaffold for cell culture, as a biomaterial for drug delivery or any other relevant research and development purpose. Not certified for use in humans.

#### 1.3 Details of the supplier of the safety data sheet:

Company Name	Manchester BIOGEL Ltd
Company Address	Mereside, Alderley Park, Alderley Edge Cheshire, UK, SK10 4TG
Telephone number	+44 (0) 1625 238800
E-mail of responsible person for SDS:	a.miller@manchesterbiogel.com

#### 1.4 Emergency telephone number

Emergency Telephone Number	<b>+44 (0) 7714094668</b>
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### 2. Hazards Identification

2.1 Classification of the mixture:	Non-hazardous
2.2 Label Elements	Not a hazardous substance or mixture
2.3 Other hazards	This substance/mixture contains no known hazards

### 3. Composition/Information of Ingredients

Name	CAS No.	Content	Classification
Water	7732-18-5	~95%	Non-hazardous
Peptide	N/A	~5%	Not classified

### 4. First Aid Measures

#### 4.1 Oral Exposure

If swallowed, wash out mouth with water provided person is conscious. If unconscious call a physician. Never give anything by mouth to an unconscious person.

#### 4.2 Inhalation Exposure

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician. If not breathing, give artificial respiration.

#### 4.3 Dermal Exposure

In case of contact, immediately wash skin with soap and plenty of water. Call a physician.

#### 4.4 Eye Exposure

In case of contact with eyes, flush with plenty of water for at least fifteen (15) minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

#### 4.5 Description of the most important symptoms or effects and any symptoms that are acute or delayed

No known symptoms or effects, but may cause skin, mouth or eye irritation

#### 4.6 Recommendations for immediate medical care and special treatment needed, when necessary

No data available

### 5. Fire-Fighting Measures

#### 5.1 Extinguishing media

Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

#### 5.2 Special Hazards arising from the substance or mixture

Carbon oxides may be produced.

#### 5.3 Advice for Fire Fighters

Wear protective clothing to prevent contact with skin and eyes.

### 6. Accidental Release Measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid spillages. Avoid breathing vapours.

#### 6.2 Environmental Precautions

Wear chemical safety goggles and personal protection as needed.

#### 6.3 Methods and materials for containment and cleaning up

Wipe up spill, place materials and used wipes in secure container and dispose of as contaminated waste.

#### 6.4 Reference to other sections

For disposal see section 13.

### 7. Handling and Storage

### 7.1 Precautions for safe handling

Avoid inhalation of fumes, gases, mists and sprays. Avoid contact with eyes, skin and clothing.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep tightly closed. Store at or below 4°C.

### 7.3 Specific end uses

## 8. Exposure Controls/Personal Protection

### 8.1 Control Parameters

Exposure Limit Values No data available.

### 8.2 Exposure Controls

Respiratory Equipment	NIOSH approved respirator, if conditions warrant.
Hand Protection	Chemically resistant gloves.
Skin Protection	Wash hands thoroughly after handling.
Eye Protection	Safety glasses, as needed.
Face Protection	Face protection, as needed.
Protective Clothing	Laboratory coat.

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Appearance	Clear gel
Colour	Colourless
Odour	Odourless
Solubility	N/A
Boiling Point	100°C
Melting Point	0°C
Relative Density Approx..	1.00 g/cm <sup>3</sup> @ 20°C
pH	Approx. range: 3-7
Flash point	Undetermined
Evaporation rate	Undetermined
Flammability	Undetermined
Upper flammability or explosive limits	Undetermined
Lower flammability or explosive limits	Undetermined
Vapor pressure	Undetermined
Vapor density	Undetermined

Partition co-efficient: n-octanol / water	Undetermined
Auto-ignition temperature	Undetermined
Decomposition temperatures	Undetermined
Viscosity	Undetermined
<b>9.2 Other Information</b>	Undetermined

## 10. Stability and Reactivity

<b>10.1 Reactivity</b>	No data available
<b>10.2 Chemical Stability</b>	Stable under recommended storage conditions
<b>10.3 Possibility of hazardous reactions</b>	No data available
<b>10.4 Conditions to avoid</b>	No data available
<b>10.5 Incompatible materials</b>	No data available
<b>10.6 Hazardous decomposition products</b>	No data available

## 11. Toxicological Information

### 11.1 Information on toxicological effects

Acute toxicity	No data available
Serious eye damage irritation	No data available
Skin corrosion/irritation	May cause skin irritation
Respiratory or skin sensitisation	No data available
STOT repeated exposure	No data available
Carcinogenicity	No data available
Germ Cell Mutagenicity	No data available
Reproductive toxicity	No data available
Aspiration hazard	No data available
International Agency for Research on Cancer (IARC)	No data available
National Toxicology Program (NTP)	No data available

## 12. Ecological Information

<b>12.1 Toxicity</b>	Avoid release to environment
<b>12.2 Persistence and degradability</b>	No data available
<b>12.3 Bio accumulative potential</b>	No data available
<b>12.4 Mobility in soil</b>	No data available
<b>12.5 Results of PBT and vPvB assessment</b>	No data available
<b>12.6 Other adverse effects</b>	No data available

### 13. Disposal Considerations

#### 13.1 Waste Treatment methods

This material must be disposed of in accordance with all local, state, municipal, provincial and federal regulations.

### 14. Transport Considerations

#### 14.1 UN Proper shipping name

N/A

#### 14.2 Non-hazardous for air transport per IATA

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

### 15. Regulatory Information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

No current regulatory information available for material.

#### 15.2 Chemical safety assessment

### 16. Other Information

#### List of R phrases/Hazard statements

Not currently classified.

#### Sources of Data for SDS

#### Other Information

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