Material Safety Data Sheet

Section 1: Identification Of The Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

<table>
<thead>
<tr>
<th>Product Codes</th>
<th>Unique identifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Name</td>
<td>Synthetic Peptide</td>
</tr>
</tbody>
</table>

1.2 Relevant identified uses of the substance or mixture and uses advised against

<table>
<thead>
<tr>
<th>Recommended use</th>
<th>For research use only</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uses advised against</td>
<td>No information available</td>
</tr>
</tbody>
</table>

1.3 Details of the supplier of the safety data sheet

Cambridge Research Biochemicals
17-18 Belasis Court
Belasis Hall Technology Park
Billingham
Cleveland
TS23 4AZ
UK
Tel: +44 (0)1642 567 180
Fax: +44 (0)1642 567 181
For further information, please contact: sales@crbdiscovery.com

1.4 Emergency telephone number

Emergency telephone - Tel: +44 (0)1642 567 180 (08.30-17.00 GMT, Monday to Friday)

Section 2: Hazards Identification

2.1 Classification of the substance or mixture

GHS / CLP - REGULATION (EC) No 1272/2008
Lyophilised synthetic peptide purified by reverse phase HPLC

2.2 Label elements

Not dangerous

Precautionary Statements – (EC) No 1272/2008)
P280 - Wear protective gloves/ protective clothing
2.3 Other information

Caution - substance not yet tested completely

Section 3: Composition/Information On Ingredients

3.1 Substances

Synthetic peptide

Section 4: First Aid Measures

4.1 Description of first aid measures

Inhalation  Move to fresh air.
Skin contact  Wash off immediately with soap and plenty of water. Removing all contaminated clothes and shoes
Eye Contact  Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes
Ingestion  Clean mouth with water. Drink plenty of water

4.2 Most important symptoms and effects, both acute and delayed

Main symptoms  No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician  Treat symptomatically.

Section 5: Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Special hazard  None known

5.3 Advice for fire-fighters

Special protective equipment for fire-fighters
As in any fire, wear self-contained breathing apparatus and full protective gear.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.
Wear disposable gloves. Clear spill immediately.
Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so.
6.3 Methods and materials for containment and cleaning up

Contain and collect spillage with absorbent material and place in container for disposal according to local/national regulations (see Section 13).

Section 7: Handling And Storage

7.1 Precautions for safe handling

Ensure adequate ventilation

7.1.2 Advice on general occupational hygiene

(a) Do not to eat, drink and smoke in work areas;
(b) wash hands after use; and
(c) remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place.
Keep out of the reach of children.
Keep in properly labelled containers.

7.3 Specific end uses

Specific use(s)  No information available
Exposure scenario  No information available

Section 8. Exposure Controls/Personal Protection

8.1 Control parameters

<table>
<thead>
<tr>
<th>Exposure limits</th>
<th>National occupational exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Derived No Effect Level</td>
<td>No information available</td>
</tr>
<tr>
<td>Predicted No Effect Concentration</td>
<td>No information available</td>
</tr>
</tbody>
</table>

8.2 Exposure controls

<table>
<thead>
<tr>
<th>Engineering measures</th>
<th>Ensure adequate ventilation, especially in confined areas. Employ good industrial hygiene practice</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal protective equipment:</td>
<td>Safety glasses with side-shields</td>
</tr>
<tr>
<td>Eye protection</td>
<td>Protective gloves</td>
</tr>
<tr>
<td>Hand protection</td>
<td>Long sleeved clothing</td>
</tr>
<tr>
<td>Skin and body protection</td>
<td>No special protective equipment required</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>No information available</td>
</tr>
<tr>
<td>Thermal hazards</td>
<td>When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing</td>
</tr>
<tr>
<td>Hygiene measures</td>
<td>Do not allow material to contaminate ground water system</td>
</tr>
<tr>
<td>Environmental exposure controls</td>
<td></td>
</tr>
</tbody>
</table>
Section 9: Physical And Chemical Properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State @20°C</td>
<td>Solid</td>
<td>Lyophilised powder</td>
</tr>
<tr>
<td>Odour</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability Limits in Air:</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>- upper flammability limit</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>- lower flammability limit</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapour density</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Relative density</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>

9.2 Other information

VOC Content (%) No information available

Section 10: Stability And Reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under normal conditions.

10.3 Precautionary Statements

None under normal processing.

10.4 Conditions to avoid

Heat, flames and sparks

10.5 Incompatible materials

None in particular

10.6 Hazardous decomposition products

Not applicable
Section 11: Toxicological Information

11.1 Information on toxicological effects

**Acute toxicity**

<table>
<thead>
<tr>
<th>Product Information</th>
<th>Product does not present an acute toxicity hazard based on known or supplied information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>No information available</td>
</tr>
<tr>
<td>Eye Contact</td>
<td>No information available</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>No information available</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No information available</td>
</tr>
</tbody>
</table>

**Chronic toxicity**

| Corrosivity         | No information available                                                          |
| Sensitisation       | No information available                                                          |
| Neurological effects | No information available                                                          |
| Reproductive toxicity | No information available                                                      |
| Mutagenic effects   | No information available                                                          |
| Target Organ Effects | No information available                                                         |

Section 12. Ecological Information

12.1 Toxicity

**Ecotoxicity effects** As supplied, the preparation is not expected to present significant adverse environmental effects.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

Section 13: Disposal Consideration

13.1 Waste treatment methods

- **Waste from residues / unused Products** Dispose of in accordance with local regulations
- **Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal
Section 14: Transport Information

ADR Not dangerous goods
IATA Not dangerous goods
DOT Not dangerous goods

Section 15. Regulatory Information

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

No information available.

15.2 Chemical Safety Assessment

No information available.

Section 16. Other Information

Indication of changes
Version 1.0 Initial Issue

Training Advice:
User should be trained in safe laboratory practice and good industrial hygiene practice

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.