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

1.1. Product identifiers

- **Product name:** Hexarelin
- **CAS number:** 140703-51-1
- **Other names:** Gly-His-D-2-methyl-Trp-Ala-Trp-D-Phe-Lys-NH₂

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

- **Identified uses:** Substance for the research uses only.

1.3. Details of the supplier of the safety data sheet

- **Distributor:** PARTICLE, s.r.o.
- **Address:** Ulica mieru 2531/4, 984 01 Lučenec, SLOVAKIA
- **ID:** IČO 47858541
- **Telephone:** +421 917 976 258
- **E-mail:** info@particlepeptides.com

1.4. Emergency Telephone number

**NATIONAL TOXICOLOGICAL INFORMATION CENTRE**
University hospital Bratislava
Department of Occupational Medicine and Toxicology
Limbová 5, 833 05 Bratislava, SLOVAKIA
- **Telephone:** +421 2 5465 2307
- **Cellphone:** +421 9 1116 6066
- **Fax:** +421 2 5477 4605
- **E-mail:** ntic@ntic.sk

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

*Classification of the mixture according to directive (EC) No 1272/2008:* mixture is not considered as hazardous

2.2. Label elements

There is no need to label the product in compliance with the directives of European Committee of national regulation/legislation.
2.3. Other hazards
None.

SECTION 3: COMPOSITION/INFORMATION OF INGREDIENTS

3.1. Substances

- Molecular formula: C49H61N13O7
- Molar weight: 886.45 g/mol
- CAS number: 140703-51-1

SECTION 4: FIRST AID MEASURES

4.1. Description of the first aid measures

In case of an accident of the health issue get immediate medical advice/attention.

- **If inhaled**
  Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get immediate medical advice/attention.

- **If on skin**
  Rinse cautiously with water for several minute. Get medical advice/attention.

- **If swallowed**
  DO NOT INDUCE VOMITING – NOT TO INCREASE THE DANGER OF ADDITIONAL DEMAGE OF DIGESTIVE TRACT!! GET INMETIATE MEDICAL ADVICE/ATTENTION!

- **If in eyes**
  Rinse cautiously with water for several minutes. Remove contact lenses. Continue rinsing. Get immediate medical advice/attention.

4.2. Most important symptoms and effects, both acute and delayed

- **If on skin**
  May cause skin irritation and/or dermatitis.
  MAY CAUSE AN ALERGIC REACTION.

- **If swallowed**
  MAY CAUSE RESPIRATORY IRRITATION.

4.3. Identification of immediate medical attention and special treatment needed

No data available.
SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media
Use dry chemical, CO₂, water spray or “alcohol” foam.

5.2. Special hazards arising from the substance or mixture
In case of fire flaring can cause the irritation vapour arises.

5.3. Precautions for fire-fighters
In case of fire wear self-respiratory protection MSHA/NIOSH (proved or equivalent) and complete protection dress.

SECTION 6: ACCIDENTIAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Use personal protective equipment as required.

6.2. Environmental precautions
Avoid soil contamination and outflow to surface or ground water.

6.3. Methods and materials for containments and cleaning up
Cover the spill of the mixture with non-flammable absorbent. Store the absorbent in closed containers and handle the waste according the information in paragraph 13.

6.4. Reference to other sections
Section 7, 8 a 13

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
Use personal protective equipment as required. Store in a well-ventilated place with exhaust plant.

7.2. Conditions for safe storage, including any incompatibilities
Store in a closed container at temperature: -18°C for 3 years
0 – 7°C for 1 year
7 – 30°C for 6 months.

7.3. Specific end use/uses
The spontaneous products of flaming occur of in fire.
SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Does not contain substances with threshold exposure limits for working places.

8.2. Exposure controls

Care of the health protection at the working places especially of the good air conditions of the working places. For the good air conditions use local or areal exhausting system.

Respiratory protection
Use the mask with the filter protecting against aerosols or ashes.

Skin protection
Hand protection: Gloves resistant to the product. Follow the recommendation of the gloves producers for the thickness, material and permeability. For the long term contact with the mixture use proper skin cream.

Eye/face protection
Use glasses and face shield (depended on the work you make).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

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<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Appearance</td>
<td>Powder</td>
</tr>
<tr>
<td>Conditions</td>
<td>Powder</td>
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<tr>
<td>Colour</td>
<td>White or coloured</td>
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<td>Odour</td>
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<td>pH</td>
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<td>Flash temperature</td>
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<tr>
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<td>Vapour pressure</td>
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<tr>
<td>Viscosity</td>
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<td>KOW: n-octanol/water</td>
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<tr>
<td>Flammability</td>
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<tr>
<td>Solubility</td>
<td>Soluble in water</td>
</tr>
</tbody>
</table>
9.2. Other safety information
Data not available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Chemical stability
The mixture is stable under normal conditions.

10.2. Polymerization
None under normal processing.

10.3. Possibility of hazardous reactions
Mixture is stable on the normal conditions.

10.4. Conditions to avoid
Mixture is stable on normal conditions, no decomposition. Protect against air or humidity for a longer time.

10.5. Incompatible materials
Protect against strong oxidants.

10.6. Hazardous decomposition products
Nitrous oxide (NO₂), Ammonia, Cyanides oxides, Sulphured oxides
SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Concentrations LD<sub>50</sub> and LC<sub>50</sub> were not set.

Chronic toxicity
Chronic exposure may cause retch or vomiting. Higher exposure causes trace.

Local effects
Symptoms heavier exposure may be headache, dizziness, lassitude, retch and vomiting.

Specific effects
Can content mean or heavy erythema and middle oedema, retch, vomiting, headache.

Irritation
No data available.

Carcinogenic effects
No data available.

Mutagenic effects
No data available.

Reproduction toxicity
No data available.

Potential health effects

- If inhaled: Harmful if inhale. May cause respiratory irritation.
- If swallowed: Harmful if swallowed.
- Skin: May cause an allergic skin reaction. Causes skin irritation.
- Eye: Causes serious eye irritation

SECTION 12: ECOLOGICAL INFORMATION

12.1. Mobility
Data not available.

12.2. Bioaccumulative potential
Data not available.
12.3. Ecotoxicological effects

Data not available.

12.4. Toxicity for water organisms

May cause long lasting harmful effects to aquatic life.

12.5. Other adverse effects

Not present

SECTION 13: DISPOSAL CONSIDERATION

Danger of contamination of the environment, follow your country legislation/regulation.

13.1. Waste treatment methods

Follow valid waste treatment legislation. Non used product and used packaging store into the marked containers and forward to authorised waste company which is authorised to the operation with the specific waste category. It is not allowed to re-use once used packaging again.

13.2. Legislation for the waste treatment

Follow your country legislation/regulation.

SECTION 14: TRANSPORT INFORMATION

14.1. UN-number

ADR/RID: -  IMDG: -  IATA: -

14.2. UN proper shipping name

ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

14.3. Packaging group

ADR/RID: -  IMDG: -  IATA: -

14.4. Environmental hazards

ADR/RID: No  IMDG Marine pollutant: No  IATA: no
SECTION 15: REGULATORY INFORMATION


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

Data not available.

15.2. Chemical safety assessment

Data not available.

SECTION 16: OTHER INFORMATION

For the research and development purpose only. It is strict prohibited to use the substance for drugs, home use or other use.

Statement

Safety data sheet contents data for the health and safety protection for the workers and environment. Data are in compliance up to date knowledge and experience and do comply with valid regulations and legislation. There cannot guaranty overall for the proper use or usage for the concrete application.