



| <b>SAFETY DATA SHEET</b>  |                             |   |                                   |
|---|-----------------------------|---|-----------------------------------|
| <b>1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY</b>   |                             |   |                                   |
| 1.1   | Product name and code       | : SYN®-COLL, 800421   |                                   |
| 1.2   | Recommended use             | : Cosmetic ingredient   |                                   |
| 1.3   | Manufacturer                | : <b>PENTAPHARM LTD.</b><br>Engelgasse 109<br>P.O. Box<br>CH-4002 Basel / Switzerland<br>Tel. +41-61-706 48 48<br>Fax. +41-61-319 96 19 |                                   |
| 1.4   | Emergency phone number      | +41-61-706 48 48  |                                   |
| <b>2. COMPOSITION AND INFORMATION ON INGREDIENTS</b>  |                             |   |                                   |
| 2.1   | Chemical characterisation : | SYN®-COLL is a synthetic peptide, dissolved in 80% glycerol, without addition of preservatives.   |                                   |
| 2.2   | Hazardous ingredients :     | None  |                                   |
| 2.3   | <u>Ingredients</u>          | <u>CAS No</u>   | <u>EINECS No</u> <u>Reference</u> |
|   | Glycerol                    | 56-81-5   | 200-289-5      EINECS Database    |
|   | Palmitoyl Tripeptide-5      | 623172-56-5   | -      EINECS Database            |
| <b>3. HAZARD IDENTIFICATION</b>   |                             |   |                                   |
| <p>SYN®-COLL, used as a cosmetic ingredient, is not a hazardous material.<br/>The data available do neither support any environmental hazard nor any adverse human health hazard.</p> |                             |   |                                   |
| <b>4. FIRST AID MEASURES</b>  |                             |   |                                   |
| 4.1   | Skin Contact                | : Rinse with water.   |                                   |
| 4.2   | Eye Contact                 | : Rinse immediately with plenty of water possibly containing a mild detergent. Contact physician in case of irritation.                 |                                   |
| 4.3   | Inhalation                  | : Not applicable.   |                                   |
| 4.4   | Ingestion                   | : None, see 11.1.   |                                   |
| 4.5   | Other first aid information | : None known  |                                   |

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**5. FIRE FIGHTING MEASURES**

- 5.1 Extinguishing media : Carbon dioxide, foam, dry powder, water
- 5.2 Unsuitable extinguishing media : None known
- 5.3 Unusual fire fighting hazards : None known
- 5.4 Special fire fighting procedure : None known
- 5.5 Other recommendations : No special precautions and measures necessary.

**6. ACCIDENTAL RELEASE MEASURES**

- 6.1 Personal precautions : Avoid eye contact.
- 6.2 Precautions to protect the environment : Keep away from drains and ground water.
- 6.3 Cleanup procedures : Dam large quantities and pump them into a container. For the remaining amount use inert absorbent material. Small quantities can be flushed with a suitable detergent into the sewage system.

**7. HANDLING AND STORAGE**

- 7.1 Handling precautions : Avoid eye contact. Watch out for slippery conditions after spillage.
- 7.2 Storage precautions : None
- 7.3 Other information : None

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

- 8.1 Exposure controls : See 7.1
- 8.2 Engineering control measures : No special control measures necessary.
- 8.3 Personal protective equipment
  - Respiratory protection : None
  - Hand protection : Gloves
  - Eye protection : Safety glasses
  - Skin protection : Additional protective equipment is normally not required.
  - Other : ---

SQS Certificate, ISO 9001, Registr.No. 11179-04

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

|     |                                       |   |                                    |
|-----|---------------------------------------|---|------------------------------------|
| 9.1 | Appearance                            |   |                                    |
|     | Physical state                        | : | liquid                             |
|     | Colour                                | : | colourless-yellowish; clear-opaque |
|     | Odour                                 | : | Slight                             |
| 9.2 | Safety related information            |   |                                    |
|     | pH                                    | : | 3.5 – 5.5                          |
|     | Boiling point/boiling range           | : | Not determined                     |
|     | Melting point/melting range           | : | Not determined                     |
|     | Flash point                           | : | Not determined                     |
|     | Flammability (solid, gas)             | : | Not determined                     |
|     | Autoflammability                      | : | Not determined                     |
|     | Explosive properties                  | : | Not determined                     |
|     | Oxidizing properties                  | : | Not determined                     |
|     | Vapour pressure                       | : | Not determined                     |
|     | Relative density                      | : | 1.15-1.22                          |
|     | Water solubility                      | : | Not determined                     |
|     | Fat solubility                        | : | Not determined                     |
|     | n-octanol/water partition coefficient | : | Not determined                     |
|     | Vapour density (air = 1)              | : | Not determined                     |
|     | Viscosity                             | : | Not determined                     |
|     | Volatiles                             | : | Not determined                     |

**10. STABILITY AND REACTIVITY**

|      |                                  |   |            |
|------|----------------------------------|---|------------|
| 10.1 | Conditions to avoid              | : | None known |
| 10.2 | Materials to avoid               | : | None known |
| 10.3 | Hazardous decomposition products | : | None known |

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**11. TOXICOLOGICAL INFORMATION**

- 11.1 Possible dangerous-to-health effects
- 11.2 Skin contact : Neither irritative nor sensitizing.
- 11.3 Eye contact : Weakly irritative.
- 11.4 Inhalation : Not determined.
- 11.5 Ingestion : Not determined.
- 11.6 Other information : SYN<sup>®</sup>-COLL has proved to be safe for cosmetic use.

**12. ECOLOGICAL INFORMATION**

- 12.1 Mobility : Not determined
- 12.2 Persistence and degradability : Not determined
- 12.3 Bioaccumulative potential : Not determined
- 12.4 Ecotoxicity : Not determined
- 12.5 Other information : SYN<sup>®</sup>-COLL is composed of physiological, biodegradable compounds that are harmless when released into the environment.

**13. DISPOSAL CONSIDERATIONS**

- 13.1 Product disposal : Neutralize and flush with plenty of water into the sewage system.
- 13.2 Packaging disposal : Dispose of in a manner in accordance with local and national regulations.

**14. TRANSPORT INFORMATION**

- 14.1 UN-No. : Not applicable
- 14.2 Road and rail transport (ADR/RID) : Not applicable
- 14.3 Air transport (ICAO/IATA-DGR) : Not applicable
- 14.4 Sea transport (IMO/IMDG) : Not applicable
- 14.5 Inland navigation (ADN/ADNR) : Not applicable
- 14.6 Other information : SYN<sup>®</sup>-COLL is not classified as a dangerous material.

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**15. REGULATORY INFORMATION**

- 15.1 Supply classification and labelling : No special packaging and labelling requirements.  
15.2 National legislation : For further product information, we recommend consideration of the corresponding appropriate National Legislation.

**16. OTHER INFORMATION**

All information and instructions provided in this Safety Data Sheet are based on the current state of scientific and technical knowledge at the date indicated on this Safety Data Sheet. PENTAPHARM LTD. shall not be held responsible for any defect in the product covered by this Safety Data Sheet, should the existence of such a defect not be detectable considering the current state of scientific and technical knowledge.

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