

**Material safety data sheet**  
According to EU Regulation 1907/2006 in the current version  
**Peptide-Coll**

**1. Identification of the substance/mixture and company**

Trade name: Peptide-Coll  
Patented tripeptide, esterified with palmitic acid, no preservatives  
INCI Palmitoyl tripeptide-5, Glycerin, Aqua  
CAS No. : 623172-56-5/ 56-81-5/ 7732-18-5  
EINECS/EC No. : -/200-289-5/ 231-791-2  
REACH pre-registration No. : -  
Utilization: Raw material for cosmetic or professional use  
Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania  
Tel/Fax: +40259-436.755, www.elemental.eu  
Emergency: RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București.  
International emergency number: +49 180 2273-112

**2. Hazards Identification**

2.1 Classification of the substance or mixture  
Classification (REGULATION (EC) No 1272/2008)  
Not a hazardous substance or mixture.

2.2 Label elements  
Labelling (REGULATION (EC) No 1272/2008)  
Not a hazardous substance or mixture.

Other hazards  
None known.

**3. Declaration of ingredients**

Brief description of the product: Mixture (preparation) containing active ingredients and auxiliary substances

3.1 Substances  
Not applicable

3.2 Mixtures  
Hazardous components  
Remarks : No hazardous ingredients

Further ingredients

Chemical name	CAS-No./ EC-No./Registration number	GHS Classification	Concentration [%]
glycerol	56-81-5 200-289-5	-	> 50 - < 70

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**4. First aid measures**

**4.1 Description of first aid measures**

General advice : No hazards which require special first aid measures.

If inhaled : Move to fresh air. If symptoms persist, call a physician.

In case of skin contact : Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.

In case of eye contact : Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing.

If swallowed : Clean mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.

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

Symptoms : No specific symptoms known.

**4.3 Indication of any immediate medical attention and special treatment needed**

Treatment : Treat symptomatically.

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**5. Fire fighting measures**

**5.1 Extinguishing media**

Suitable extinguishing media : Alcohol-resistant foam, Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: High volume water jet

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

Specific hazards during fire fighting : None known.

**5.3 Advice for firefighters**

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

Further information : Standard procedure for chemical fires.

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**6. Accidental release measures**

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

Use personal protective equipment.

**6.2 Environmental precautions**

Try to prevent the material from entering drains or water courses.

**6.3 Methods and material for containment and cleaning up**

Wipe up with absorbent material (e.g. cloth, fleece).

Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

For personal protection see section 8.

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For disposal considerations see section 13.

## 7. Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.

Advice on protection against fire and explosion: Take necessary action to avoid static electricity discharge. Product will burn under fire conditions.

Hygiene measures : General industrial hygiene practice.

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

Requirements for storage areas and containers: Protect against light. Keep container tightly closed and dry.

Advice on common storage : No special restrictions on storage with other products.

### 7.3 Specific end use(s)

Specific use(s) : Not applicable

## 8. Exposure controls / personal protection

### 8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
glycerol	56-81-5	TWA (Mist)	10 mg/m <sup>3</sup>	GB EH40
Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used				

### 8.2 Exposure controls

Personal protective equipment

Eye protection : Safety glasses

Hand protection : Glove material: for example nitrile rubber

Skin and body protection : Lightweight protective clothing

Respiratory protection : No personal respiratory protective equipment normally required.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance viscous liquid

Colour colourless - pale yellow

Odour slight

Odour Threshold No information available.

pH No data available

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Melting point/range not determined  
Boiling point/boiling range ca. 110 - 115 °C (calculated value)  
Flash point ca. 206 °C (closed cup, calculated value)

Evaporation rate not determined  
Lower explosion limit not determined  
Upper explosion limit not determined  
Vapour pressure not determined  
Relative vapour density Not applicable  
Relative density 1.15 - 1.22 (at 20 °C)  
Density not determined  
Water solubility completely miscible  
Solubility in other solvents  
Oils and fats: insoluble  
Partition coefficient: n-octanol/water Not applicable  
Auto-ignition temperature No data available  
Ignition temperature 434 °C  
Test performed using a similar product.  
Thermal decomposition  
Decomposes on heating.  
Potential for exothermic hazard  
Viscosity, dynamic not determined  
Explosive properties Not explosive  
Oxidizing properties No data available

9.2 Other information  
Refractive index : 1.41 - 1.44 (25 °C)

## **10. Stability and reactivity**

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10.1 Reactivity  
No hazards to be specially mentioned.

10.2 Chemical stability  
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions  
Possible incompatibility with materials listed under section 10.5.

10.4 Conditions to avoid  
Heat

10.5 Incompatible materials  
Strong acids and strong bases  
Strong oxidizing agents

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10.6 Hazardous decomposition products  
No decomposition if used as directed.

## 11. Toxicological information

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### 11.1 Information on toxicological effects

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg (Calculation method)

Skin irritation : No skin irritation (human, Patch Test 48 Hrs.)

Eye irritation : May irritate eyes.

Sensitisation : Did not cause sensitization. (human, HRIPT: Human Repeat Insult Patch Test)

Genotoxicity in vitro : not mutagenic (Ames test, OECD Test Guideline 471): not genotoxic (Mutagenicity (micronucleus test), OECD Test Guideline 487)

Test substance: active ingredient

Carcinogenicity : No indication for carcinogenicity known.

Reproductive toxicity : No indication for adverse effects on fertility known.

STOT - single exposure (Acute exposure): The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure : This information is not available.

Further information : Irritating to mucous membranes (in vitro assay)

Aspiration toxicity : No aspiration toxicity classification

## 12. Ecological information

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### 12.1 Toxicity

Toxicity to fish :

Gobiocypris rarus (rare gudgeon)

LC50 (96 h) > 100 mg/l

Test substance: Active ingredient  
(nominal concentration)

The substance tested had no adverse effects below its water solubility limit. (OECD Test Guideline 203)

### 12.2 Persistence and degradability

Biodegradability :

Not readily biodegradable.

67.81 % (28 d)

(OECD Test Guideline 301F)

Test substance: active ingredient : Biodegradable

Information refers to the main component.

### 12.3 Bioaccumulative potential

Biodegradability : Not readily biodegradable.

67.81 % (28 d)

(OECD Test Guideline 301F)

Test substance: active ingredient: Biodegradable

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Information refers to the main component.

Bioaccumulation : No data available

Partition coefficient: n-octanol/water: Not applicable

**12.4 Mobility in soil**

Distribution among environmental compartments: No data available

**12.5 Results of PBT and vPvB assessment**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6 Other adverse effects**

Additional ecological information : There is no data available for this product.

**13. Disposal considerations**

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**13.1 Waste treatment methods**

Product : Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

**14. Transport information**

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**14.1 UN number**

Not regulated as a dangerous good

**14.2 UN proper shipping name**

Not regulated as a dangerous good

**14.3 Transport hazard class(es)**

Not regulated as a dangerous good

**14.4 Packing group**

Not regulated as a dangerous good

**14.5 Environmental hazards**

Not regulated as a dangerous good

**14.6 Special precautions for user**

Remarks : Not classified as dangerous in the meaning of transport regulations.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

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**15. Regulatory information**

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

Health hazard: 0

Fire Hazard: 1

Reactivity Hazard: 0



15.2 Chemical safety assessment

Not applicable

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**16. Additional information**

**16.1 Abbreviations**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

LTE: Long-term exposure.

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STE: Short-term exposure.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

**Disclaimer:**

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.