



Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

Date 05.05.2017

Version 1.0

PEPTIDE

1. Identification of the substance/preparation and the company

Trade name: Peptide
Utilization: Ingredient for personal care products
Supplier company identification: **Elemental SRL**, Piata Cazarmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.elemental.eu
Emergency: RO: numar national pentru cazuri de urgenta: 021 3183606 Institutul de Sanatate Publica Bucuresti. 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.

Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.3 Other hazards

None known.

3. Composition / Information on ingredients

3.1. Substances --

3.2. Mixtures

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

Remarks : No hazardous ingredients . No preservatives.

Ingredients (INCI): Glycerine, Aqua, Palmitoyl Tripeptide-5

Further ingredients: Glycerol Reg.nr. 56-81-5 200-289-5 > 50 - < 75

4. First Aid

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.

5. Fire-fighting Measures



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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.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting: 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.

6. Accidental release measures:

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system. Try to prevent the material from entering drains or water courses.

6.3 Methods and materials 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. 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.

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 and Personal Protection

8.1 Control parameters

Components	CAS-No.	Value (Form of exposure)	Control parameters
Glycerol	56-81-5	TWA (Mist)	10 mg/m ³

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

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection : Glove material: for example nitrile rubber

Eye protection : Safety glasses

Skin and body protection : Lightweight protective clothing

Hygiene measures : General industrial hygiene practice.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties



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Appearance : viscous liquid
Colour : slightly yellowish
Odour : slight
Odour Threshold : No information available.
Peptide content: 900-1300 ppm
pH : No data available
Melting point/range : not determined
Boiling point/boiling range : not determined
Flash point : > 220 °C
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 : soluble
Solubility in other solvents : Oils and fats: insoluble
Partition coefficient: octanol/water: Not applicable
Auto-ignition temperature : No data available
Ignition temperature : not determined
Thermal decomposition : No data available
Viscosity, dynamic : not determined
Explosive properties : Not explosive
Oxidizing properties : No data available

10. Stability and Reactivity

- 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
- 10.6 Hazardous decomposition products: No decomposition if used as directed.

11. Toxicological Information

- 11.1 Information on toxicological effects
 - Acute oral toxicity : No data available
 - Skin corrosion/irritation : No skin irritation (human, Patch Test 48 Hrs.)
 - Serious eye damage/eye irritation: May irritate eyes.
 - Respiratory or skin 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 : This information is not available.
 - STOT - repeated exposure : This information is not available.
 - Further information : Irritating to mucous membranes (in vitro assay)



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12. Ecological Information

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

Bioaccumulation : No data available

Partition coefficient: noctanol/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

13. Disposal considerations

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

14.1 UN number ADR/RID: - IMDG: - IATA: - Not regulated for transport

14.2 UN proper shipping name

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

14.3 Transport hazard class(es) ADR/RID: - IMDG: - IATA: -

14.4 Packaging group ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user: For information on handling, see section 7. For information on personal protective equipment, see section 8. For information on disposal, see section 13.

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

IBC code : Not defined.

15. Additional Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

No warning label, this product is not classified as hazardous in accordance with (EC) 1272/2008 (CLP).

15.2. Chemical safety assessment

Not applicable

16. Other Information



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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.

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.