Safety Data Sheet

1. Identification of Substance/ Identification of Company

Product: Apelin-13, human, bovine
Catalog #: P001250
CAS #: 217082-58-1
Chemical Formula: $C_{69}H_{111}N_{23}O_{16}S$
Molecular Weight: 1550.86
Synonyms: - NA
Sequence: Gln-Arg-Pro-Arg-Leu-Ser-His-Lys-Gly-Pro-Met-Pro-Phe

Relevant Identified Uses of the Substance or Mixture: Laboratory chemicals, Manufacture of substances

Supplier: AAPPTec, LLC
6309 Shepherdsville Road
Louisville, Kentucky USA
40228
Telephone: 502-968-2223
Fax: 502-968-3338

2. Hazards Identification

Regulation (EC) No. 1272/2008
Hazard Categories:
Carcinogenicity: Carc. 2
Reproductive toxicity: Repr. 2
Hazard Statements:
Suspected of causing cancer
Suspected of damaging fertility or the unborn child

GHS label elements
Pictogram:



Signal word: Warning
Hazard statements:

H351	Suspected of causing cancer.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child

Precautionary statements:

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood
P280	Wear protective gloves/eye protection/face protection
P308+P313	If exposed or concerned: Get medical advice/attention.
P405	Store locked up
P501	Dispose of contents/container to an approved waste disposal plant.

3. Composition/ information on ingredients

Substance/preparation: Substance
Chemical Name: Apelin-13, human, bovine
CAS #: 217082-58-1
EC #: Not available
Hazardous Components
Component: - NA
Classification: Carc. 2; Repr. 2; H351; H361
Concentration:
Full text of H and EUH statements: see Section 16

4. First Aid Measures

Description of First Aid Measures

General: Change contaminated, saturated clothing. In case of accident or unwellness, seek medical attention immediately. (show directions for use or safety data sheet if possible)

Inhalation: IF INHALED move person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin Contact: Rise cautiously with water for several minutes. If medical advice is needed, have product container or label at hand.

Eye Contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice..

Ingestion: IF SWALLOWED: Rinse mouth. Never give anything by mouth to an unconscious person or a person with cramps. Get medical advice/attention if you feel unwell

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Important Symptoms and Effects, Both Acute and Delayed
The most important known symptoms and effects are described in Section 2 and/or Section 11

Aggravating conditions: Repeated or prolonged exposure is not known to aggravate medical condition.

5. Fire-fighting Measures

Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Hazardous thermal decomposition products: Oxides of carbon (CO, CO_2), oxides of nitrogen (NOx), oxides of sulfur (SOx).

Advice for firefighters: Firefighters should wear positive pressure self-contained breathing apparatus (SCBA) if necessary

Other Information: No data available

6. Accidental Release Measures

Personal Precautions: Provide adequate ventilation. Avoid breathing dust, vapors, mist or gas. Remove persons to safety. For personal protection see Section 8

Environmental Precautions: Do not allow product to enter drains.

Methods and materials for containment and cleaning up: Collect spillage. Avoid dust formation.

Reference to Other Sections: For disposal see Section 13

7. Handling and Storage

Precautions for Safe Handling: Provide appropriate exhaust ventilation at places where dust is formed. Use personal protection equipment Avoid contact with skin, eyes and clothes. Avoid breathing dust, vapors, mist or gas.

Conditions for Safe Storage: Keep container tightly closed in a dry well-ventilated area.
Recommended storage temperature: <-15 °C
Do not store together with food and feedstuff.
Protect against: Frost, Heat, Humidity

Specific End Uses: Apart from the uses mentioned in Section 1, no other specific uses are stipulated.

8. Exposure Controls/Personal Protection

Control Parameters

Components with workplace control parameters
Contains no substances with occupational exposure limit values.

Exposure Controls

Engineering Controls
General industrial hygiene practice

Personal Protective Equipment

Eye/Face Protection: Tightly fitting safety goggles. Face shield (8 inch minimum) Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection: Handle with gloves. Suitable material NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber). Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Respiratory: If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.
Self-contained respirator.(breathing apparatus) (DIN EN 133)
Combination filtering device (EN 14387)

Control of Environmental Exposure: Do not allow product to enter drains.

9. Physical and Chemical Properties

Appearance: White solid
Odor: No data available
Odor Threshold: No data available
pH: No data available
Melting Point: No data available
Boiling Point: No data available
Flash Point: No data available
Evaporation Rate: No data available
Flammability (solid, gas): No data available
Upper/Lower Flammability or Explosive Limits: No data available
Vapor Pressure: No data available
Vapor Density: No data available
Relative Density: No data available
Water Solubility: 1.00 g/l
Partition Coefficient n-Octanol/Water: No data available
Auto-Ignition Temperature: No data available
Decomposition Temperature: No data available
Viscosity: No data available
Explosive Properties: No data available
Oxidizing Properties: No data available

Other Safety Information: No data available

10. Stability and Reactivity

Reactivity: No data available
Chemical Stability: Stable under recommended storage conditions.
Possibility of Hazardous Reactions: No data available
Conditions to Avoid: No data available
Incompatible Materials: Strong oxidizing agents
Hazardous Decomposition Products: Other decomposition products – No data available
In event of fire: See Section 5

11. Toxicological Information

Toxicological Effects
Acute Toxicology: No data available
Inhalation – No data available
Dermal – No data available
Skin Corrosion/Irritation: No data available
Serious Eye Damage/ Eye Irritation: No data available
Respiratory or Skin Sensitization: No data available
Germ Cell Mutagenicity: No data available
Carcinogenic/mutagenic/toxic effects for reproduction
Suspected of causing cancer, Suspected of damaging fertility, Suspected of damaging the unborn child.
Germ Cell Mutagenicity: Based on available data, the classification criteria are not met.
Reproductive Toxicity: No data available
Specific Organ Toxicity – Single Exposure: No data available

Specific Organ Toxicity – Repeated Exposure: No data available
Aspiration Hazard: No data available
Additional Information
RTECS: Not available
Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

12. Ecological Information

Toxicity: No data available
Persistence and Degradation: No data available
Bioaccumulative Potential: No data available
. **Mobility in Soil:** No data available
Results of PBT and vPvB Assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other Adverse Effects: No data available

13. Disposal Considerations

Waste Treatment Methods
Product: Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated Packaging: Dispose of as unused product

14. Transportation

DOT(US): Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

15. Regulatory Information

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards: No SARA hazards

State Regulations:
Massachusetts Right To Know Components
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components
No components are subject to the Massachusetts Right to Know Act.

New Jersey Right to Know Components

No components are subject to the Massachusetts Right To Know Act.

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

Relevant H and EUH statements (number and full text)

H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child

Notice to Reader

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