

Safety Data Sheet

Creation Date 2023/10/26

1. Product and Company Information

Product Name : VEGF alternative peptide (VEGFR2 agonist)

Product Code : PG-007

Company : PeptiGrowth Inc.

Address : 2-6-1 Marunouchi, Chiyoda-Ku, Tokyo 100-8086 JAPAN

Telephone : + 81-70-7789-3905

Manufacturer : PeptiDream Inc.

Address : 3-25-23 Tonomachi, Kawasaki-Ku, Kawasaki-Shi, Kanagawa
210-0821 JAPAN

Telephone : + 81-44-270-1300

Recommended uses and restrictions on use: For research purposes

2. Hazards Identification

GHS classification

Classification of the substance or mixture

PHYSICAL HAZARDS Classification not possible

HEALTH HAZARDS Classification not possible

ENVIRONMENTAL HAZARDS Classification not possible

Pictograms: none

Signal word: none

Hazard statements

Not a hazardous substance or mixture according to the Globally
Harmonized System (GHS)

Precautionary statements-(Prevention)

None

Precautionary statements-(Response)

None

Precautionary statements-(Storage)

None

Precautionary statements-(Disposal)

None

Others

Other hazards: Not available

3. Composition/Information on Ingredients

Single substance or compound: Single

Common chemical name or general name: Peptide

Molecular Formula: C₂₂₈H₃₁₂N₃₈O₇₁S₂

Molecular Weight: 4785.32

Concentration: $\geq 98\%$

4. First Aid Measures**AFTER INHALATION**

Remove person to fresh air and keep comfortable for breathing. Get medical advice or attention if you feel unwell.

AFTER SKIN CONTACT

Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs or rash occurs: Get medical advice/attention.

AFTER EYE CONTACT

Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

AFTER INGESTION

If swallowed, wash out mouth with water provided person is conscious.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRST AID MEASURES

Wear protective gloves/protective clothing/eye protection/face protection while work.

5. Fire Fighting Measures**EXTINGUISHING MEDIA**

Suitable: Water spray, alcohol-resistant foam, carbon dioxide or dry chemical powder.

PROHIBITED MEDIA

No information

SPECIAL EXTINGUISHING MEASURES

Move containers from fire area if it can be done without risk. If not possible, apply water from a safe distance to cool and protect surrounding area. Dry chemical powder or dry sand should be used for small fires.

SPECIAL RISKS

Nature of decomposition products not known.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Keep personnel upwind and away from fire.

6. Accidental Release Measures**PERSONAL PRECAUTIONS. PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

Wear protective gloves/protective clothing/eye protection/face protection while work.

ENVIRONMENTAL PRECAUTIONS

Avoid entering the river or affecting to the environment.

METHODS AND MATERIALS FOR NEUTRALIZATION CONTAINMENT AND CLEANING UP

Sweep up diffused spillage and place in empty container.

7. Handling and Storage**HANDLING**

Technical measures: Wear protective gloves/protective clothing/eye protection/face protection while work.

Caution: Avoid contact with eyes, skin, and clothing. Wash hand thoroughly after handling.

Precautions for safe handling: Avoid contact with eyes, skin, and clothing. Do not eat, drink or smoke when using this product.

STORAGE

Storage condition: Store at -20°C

Safe container packing materials: Nothing special

Incompatible materials: No data available

8. Exposure Controls / Personal Protection

CONTROL VALUE

Not established

EQUIPMENT MEASURES

Nothing special

PROTECTIVE EQUIPMENT

Respiratory protection: Wear respiratory protection.

Hand protection: Wear protective gloves.

Eye protection: Wear eye protection/face protection.

Skin and body protection: Wear protective clothing and safety shoes

9. Physical and Chemical Properties

APPEARANCE

Physical State: Solid

Form: Powder

Color: white

Odor: No data available

BP/BP Range: No data available

MP/MP Range: No data available

Flash Point: No data available

Flammability: No data available

Autoignition Temp: No data available

Oxidizing Properties: No data available

Explosive Properties: No data available

Explosion Limits: No data available

Vapor Pressure: No data available

10. Stability and Reactivity

REACTIVITY

No data available

CHEMICAL STABILITY

Stable under recommended storage conditions.

INCOMPATIBLE MATERIALS

No data available

CONDITION TO AVOID

Sunlight/ hot surfaces/ heat/ sparks/ open flames/ moistures

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition. Nature of decomposition products not known.

11. Toxicological Information

Acute toxicity: No data available

Skin irritation/corrosion: No data available

Serious eye damage/ irritation: No data available

Respiratory or skin sensitization: No data available

Reproductive cell mutagenicity: No data available

Carcinogenicity: No data available

Reproductive toxicity: No data available

STOT-single exposure: No data available

STOT-repeated exposure: No data available

Aspiration hazard: No data available

12. Ecological Information

Ecotoxicity: No information available

Other data: No data available

Persistence and degradability: No information available

Bio accumulative potential: No information available

Mobility in soil: No information available

Hazard to the ozone layer: No information available

13. Disposal Considerations**RESIDUES**

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state, and local environmental regulations.

CONTAMINATED CONTAINER AND PACKING

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state, and local environmental regulations.

14. Transport Information

ADR/RID Not regulated

UN number - Proper

shipping name: UN

classification

Subsidiary hazard class

Packing group

Marine pollutant: Not applicable

IMDG Not regulated

UN number - Proper

shipping name:

UN classification

Subsidiary hazard class

Packing group

Marine pollutant (Sea) Not applicable

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

No information available

IATA Not regulated

UN number - Proper

shipping name:

UN classification

Subsidiary hazard class

Packing group

Environmentally Hazardous

Substance: Not applicable

15. Regulatory Information

Not hazardous

16. Other Information

The information contained herein is based on the truth of our statement; this should not be considered a guarantee in our claims. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user.