01 Identification of the substance/mixture and of the company/undertaking

• Product identifier

• Trade name:
  Vapreotide
  H-D-Phe-Cys-Tyr-D-Trp-Lys-Val-Cys-Trp-NH₂

• Article number:
  new: 4062833  old: H-6634

• CAS Number:
  103222-11-3

• Relevant identified uses of the substance or mixture and uses advised against
  Laboratory chemicals

• Details of the supplier of the safety data sheet

• Manufacturer/Supplier:
  Bachem AG
  Hauptstrasse 144
  CH-4416 Bubendorf
  Switzerland
  E-mail msds@bachem.com
  Tel +41 61 935 2323
  Fax +41 61 935 2325

• Further information obtainable from:
  Department: Marketing

• Emergency telephone number:
  +41 44 251 51 51  (Swiss Toxicological Information Centre, CH-Zurich)

02 Hazards identification

• Classification of the substance or mixture
  Classification according to Regulation (EC) No 1272/2008
  Void
  Classification according to Directive 67/548/EEC or Directive 1999/45/EC
  Not applicable.
  Information concerning particular hazards for human and environment:
  Not applicable.

• Label elements
  Labelling according to Regulation (EC) No 1272/2008
  Void

• Signal word
  Void

• Hazard statements
  Void

• Other hazards
  Results of PBT and vPvB assessment

• PBT:
  Not applicable.

• vPvB:
  Not applicable.
PRODUCT: Vapreotide

03 Composition/information on ingredients

- Chemical characterization: Substances
  **CAS No.**
  103222-11-3 Vapreotide
  **Description**
  - Identification number(s)
  - EC number:
  - RTECS Number:

04 First aid measures

- Description of first aid measures
- After inhalation:
  Supply fresh air; consult doctor in case of complaints.
- After skin contact:
  Immediately wash with water and soap and rinse thoroughly.
- After eye contact:
  Rinse opened eye for several minutes under running water.
- After swallowing:
  Call a doctor immediately.
- Information for doctor:
  - Most important symptoms and effects, both acute and delayed
    No further relevant information available.
  - Indication of any immediate medical attention and special treatment needed
    No further relevant information available.

05 Firefighting measures

- Extinguishing media
  Suitable extinguishing agents:
  CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture
  No further relevant information available.
- Advice for firefighters
  - Protective equipment:
    No special measures required.

06 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  Not required.
- Environmental precautions:
  No special measures required.
- Methods and material for containment and cleaning up:
  Pick up mechanically.

07 Handling and storage

- Handling:
  - Precautions for safe handling
    Prevent formation of dust.
  - Information about fire - and explosion protection:
    No special measures required.
- Conditions for safe storage, including any incompatibilities
- Storage:
- Requirements to be met by storerooms and receptacles:

(Contd. on page 3)
PRODUCT : Vapreotide

No special requirements.

• Information about storage in one common storage facility:
  Store away from foodstuffs.

• Further information about storage conditions:
  Store in dry conditions.

• Recommended storage temperature:
  -20 +/− 5 °C

• Specific end use(s)
  No further relevant information available.

08 Exposure controls/personal protection

• Control parameters

• Ingredients with limit values that require monitoring at the workplace:

  CAS No.      Designation of material
  Not required.

  • Additional information:
    The lists valid during the making were used as basis.

  • Exposure controls

  • Personal protective equipment:

  • General protective and hygienic measures:
    The usual precautionary measures are to be adhered to when handling chemicals.

  • Respiratory protection:
    In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
    Use suitable respiratory protective device in case of insufficient ventilation.

  • Protection of hands:
    The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
    Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
    Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
    Protective gloves

  • Material of gloves
    The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

  • Penetration time of glove material
    The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

  • Eye protection:
    Safety glasses

09 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance: Powder

Form: Powder

Colour: White

Odour: Nearly odourless

Odour threshold: Not determined.

Molecular Weight 1.131,3900 g/mol

Change in condition

Boiling point/Boiling range: Undetermined.

Flash point: Not applicable.

Flammability (solid, gaseous): Not applicable.

Ignition temperature: Not determined.

Self-igniting: Not determined.
PRODUCT: Vapreotide

### 10 Stability and reactivity

- Reactivity
- Chemical stability
- Thermal decomposition / conditions to be avoided:
  - No decomposition if used according to specifications.
- Possibility of hazardous reactions:
  - No dangerous reactions known.
- Conditions to avoid:
  - No further relevant information available.
- Incompatible materials:
  - No further relevant information available.
- Hazardous decomposition products:
  - No dangerous decomposition products known.

### 11 Toxicological information

- Information on toxicological effects:
- Acute toxicity:
  - No further relevant information available.
- Primary irritant effect:
  - on the skin:
    - No further relevant information available.
  - on the eye:
    - No further relevant information available.
- Sensitization:
  - No sensitizing effects known.
- Additional toxicological information:
  - The substance is not subject to classification according to the latest version of the EU lists.

### 12 Ecological information

- Toxicity:
- Aquatic toxicity:
  - No further relevant information available.
- Persistence and degradability:
  - No further relevant information available.
- Behaviour in environmental systems:
- Bioaccumulative potential:
  - No further relevant information available.
- Mobility in soil:
  - No further relevant information available.
- Additional ecological information:
- General notes:
### 13 Disposal considerations

- **Waste treatment methods**
- **Waste disposal key:** 18 02 06
- **Uncleaned packaging:**
  - **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **Land transport ADR/RID** (cross-border)
  - **ADR/RID class:** -
- **Maritime transport IMDG:**
  - **IMDG Class:** -
- **Air transport ICAO-TI and IATA-DGR:**
  - **ICAO/IATA Class:** -
- **Environmental hazards:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **Waterhazard class:**
  - Generally not hazardous for water. Self-assessment
- **Chemical safety assessment:**
  - A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:**
  - Department: Marketing
- **Abbreviations and acronyms:**
  - **ADR:** Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - **RID:** Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  - **IMDG:** International Maritime Code for Dangerous Goods
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- IATA: International Air Transport Association
- IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
- ICAO: International Civil Aviation Organization
- ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
- EINECS: European Inventory of Existing Commercial Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- RTECS: Registry of Toxic Effects of Chemical Substances
- WGK: Wassergefährdungsklasse

* Data compared to the previous version altered.