

36000

 Revision: 04.01.2011  
 Printing date: 07.07.2016

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

- Product identifier
- Trade name:  
H-D-Phe-Cys-Tyr-D-Trp-Arg-Thr-Pen-Thr-NH<sub>2</sub>  
(Disulfide bond between Cys<sup>2</sup> and Pen<sup>7</sup>)
- Article number:  
new: 4027138      old: H-3698
- CAS Number:  
103429-32-9
- Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the preparation  
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 58 595 2021  
Fax +41 58 595 2040
- Further information obtainable from:  
Department: Marketing
- Emergency telephone number:  
+41 44 251 51 51 (Tox Info Suisse)

## \* 02 Hazards identification

- Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008  
Void
- 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.

## 03 Composition/information on ingredients

- Chemical characterization: Substances
- | <b>CAS No.</b> | <b>Description</b>                                    |
|----------------|---|
| 103429-32-9    | H-D-Phe-Cys-Tyr-D-Trp-Arg-Thr-Pen-Thr-NH <sub>2</sub> |
- Identification number(s)
- EINECS Number:  
-
- RTECS Number:

(Contd. on page 2)

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(Contd. of page 1)

## 04 First aid measures

- **General information:**  
No special measures required.
- **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:**  
If symptoms persist consult doctor.
- **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

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, 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.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
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)**

(Contd. on page 3)

## Safety data sheet according to 1907/2006/EC, Article 31

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(Contd. of page 2)

No further relevant information available.

### 08 Exposure controls/personal protection

- Ingredients with limit values that require monitoring at the workplace:  
 Not required.
- **CAS No.**                      **Designation of material**  
 Not required.
- Additional information:  
 The lists valid during the making were used as basis.
- 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

#### General Information

#### Appearance:

<b>Form:</b>	Powder
<b>Colour:</b>	Yellow
<b>Odour:</b>	Nearly odourless
<b>Odour threshold:</b>	Not determined.
<b>Molecular Weight</b>	1.104,3200 g/mol

#### Change in condition

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	Undetermined.

<b>Flash point:</b>	Not applicable.
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<b>Flammability (solid, gaseous):</b>	Not applicable.
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#### Ignition temperature:

<b>Decomposition temperature:</b>	Not determined.
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<b>Self-igniting:</b>	Not determined.
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<b>Danger of explosion:</b>	Not determined.
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#### Explosion limits:

<b>Lower:</b>	Not determined.
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<b>Upper:</b>	Not determined.
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<b>Vapour pressure:</b>	Not determined.
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<b>Density:</b>	Not determined.
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(Contd. on page 4)

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(Contd. of page 3)

**Solubility in / Miscibility with**

**water:** at 25,00 °C 1,00 g/l

**Viscosity:**

**Dynamic:** Not determined.

**Kinematic:** Not determined.

**Other information**

No further relevant information available.

## 10 Stability and reactivity

- 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.
- Dangerous decomposition products:  
 No dangerous decomposition products known.

## 11 Toxicological information

- Acute toxicity:
- 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

- 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:  
 Not known to be hazardous to water.
- Results of PBT and vPvB assessment
- PBT:  
 Not applicable.
- vPvB:  
 Not applicable.
- Other adverse effects  
 No further relevant information available.

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(Contd. on page 5)

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(Contd. of page 4)

## 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

- ADR/RID class:** -
- IMDG Class:** -
- 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

- 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  
 IATA: International Air Transport Association  
 ICAO: International Civil Aviation Organisation  
 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  
 vPvB: very Persistent and very Bioaccumulative