

335000

BACHEM

Revision: 17.06.2011 Printing date: 07.07.2016

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<u> </u>	Identification of the substance/mixture and of the company/undertaking	
•	Product identifier	
•	Trade name:	
	β-Endorphin (30-31) (bovine, camel, mouse, ovine)	
	H-Gly-Gln-OH Glycyl-L-glutamine	
•	Article number:	
	new: 4001242 old: N-1070	
•	CAS Number:	
	13115-71-4	
•	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	
•	Department: Marketing Emergency telephone number:	
	Emergency telephone number: +41 44 251 51 51 (Tox Info Suisse)	
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Safety data sheet according to 1907/2006/EC, Article 31

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PRODUCT : β-Endorphin (30-31) (bovine, camel, mouse, ovine)

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04 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

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
- Advice for firefighters
 Protective equipment:
- No special measures required.

06 Accidental release measures

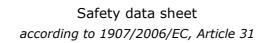
- Personal precautions, protective equipment and emergency procedures Not required.
- Environmental precautions:
- No special measures required.
- Methods and material for containment and cleaning up: Pick up mechanically.

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)
- No further relevant information available.

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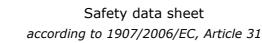
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	(Contd. of page 2,
)8 E	Exposure controls/personal protection
•	Ingredients with limit values that require monitoring at the workplace:
C	CAS No. Designation of material Not required.
•	Additional information: The lists valid during the making were 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

General Information		
Appearance:		
Form:	Powder	
Colour:	White	
Odour:	Nearly odourless	
Odour threshold:	Not determined.	
Molecular Weight	203,2000 g/mol	
Change in condition		
Boiling point/Boiling range:	Undetermined.	
Flash point:	Not applicable.	
Flammability (solid, gaseous):	Not applicable.	
gnition temperature:		
Decomposition temperature:	Not determined.	
Self-igniting:	Not determined.	
Danger of explosion:	Not determined.	
Explosion limits:		
Lower:	Not determined.	
Upper:	Not determined.	
Vapour pressure:	Not determined.	
Density:	Not determined.	
Solubility in / Miscibility with		
water:	at 25 °C 50,00 g/l	
Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	





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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: 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

- Acquatic 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:
- FDI.
- Not applicable. vPvB:
- Not applicable.
- Other adverse effects
- No further relevant information available.

13 Disposal considerations

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



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14	Transport information
A	DR/RID class:
"	IDG Class:
10	CAO/IATA Class:
•	Environmental hazards: Not applicable.
	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
	Not applicable.
5	Regulatory information
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	National regulations
•	National regulations:
•	Waterhazard class:
	Generally not hazardous for water.Self-assessment
•	Chemical safety assessment:
	•
	A Chemical Safety Assessment has not been carried out.
	Other information
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