

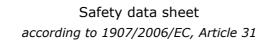
# Safety data sheet according to 1907/2006/EC, Article 31

795500

Revision: 23.02.2012 Printing date: 07.07.2016

01	Identification of the substance/mixture and of the company/undertaking	
•	Product identifier	
	Trade name:	
	Deltorphin I	
	Article number:	
	new: 4015450 old: H-8055	
•	CAS Number:	
	122752-15-2	
•		
•	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	
•		
	+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	
•	<ul> <li>Signal word</li> <li>Void</li> </ul>	
	Hazard statements	
	Void	
	Other hazards	
	Results of PBT and vPvB assessment	
•	PBT: Not applicable.	
	• vPvB:	
	Not applicable.	
0.2	Composition linformation on in mediante	
03	Composition/information on ingredients	
	Chemical characterization: Substances	
	CAS No. Description	





795500

BACHEM

Revision: 23.02.2012 Printing date: 07.07.2016

## **PRODUCT** : **Deltorphin I** (Contd. of page 1) 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
- Protective equipment:
- No special measures required.

## 06 Accidental release measures

 Personal precautions, protective equipment and emergency procedures Not required.

Environmental precautions:

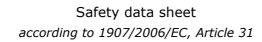
- No special measures required.
- Methods and material for containment and cleaning up: Pick up mechanically.

## 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.

(Contd. on page 3)



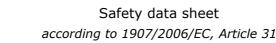


795500

**BACHEM** 

	(Contd. of page			
08 Exposure controls/personal protection				
<ul> <li>Ingredients with limit values that require monitoring at the workplace:</li> </ul>				
CAS No. Not required.	Designation of material			
<ul> <li>Personal protect</li> <li>General protect</li> <li>The usual precaut</li> <li>Respiratory proful</li> <li>In case of brief ex respiratory protect</li> <li>Use suitable respiratory protect</li> <li>Protection of hat</li> <li>The glove materiation</li> <li>Due to missing test</li> <li>Selection of the gliperotective gloves</li> <li>Material of gloves</li> <li>The selection of the</li> <li>manufacturer to m</li> <li>Penetration time</li> </ul>	In the making were used as basis. ive equipment: ve and hygienic measures: ionary measures are to be adhered to when handling chemicals. ection: obsoure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained ive device. ratory protective device in case of insufficient ventilation. nds: I has to be impermeable and resistant to the product/ the substance/ the preparation. its no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture is no recommendation of the penetration times, rates of diffusion and the degradation is e suitable gloves does not only depend on the material, but also on further marks of quality and varies from			

General Information		
Appearance:		
Form:	Powder	
Colour:	White	
Odour:	Nearly odourless	
Odour threshold:	Not determined.	
Molecular Weight	768,8700 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:	Not determined.	
Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	



795500

BACHEM

#### Revision: 23.02.2012 Printing date: 07.07.2016

(Contd. of page 3)

## PRODUCT : Deltorphin I

## 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.
- Hazardous 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
- 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.

## 13 Disposal considerations

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





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

795500

Revision: 23.02.2012 Printing date: 07.07.2016

1.	(Contd. of page 4) 4 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.
1	5 Regulatory information
	National regulations:
	Waterhazard class:
	Generally not hazardous for water.Self-assessment
	Chemical safety assessment:
	A Chemical Safety Assessment has not been carried out.
1	6 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
	<ul> <li>Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internation)</li> </ul>
	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
	WGK: Wassergefährdungsklasse
	vPvB: very Persistent and very Bioaccumulative
	<ul> <li>* Data compared to the previous version altered.</li> </ul>