

1944900

**BACHEM** 

Revision: 25.10.2016 Printing date: 25.10.2016

01 Identification of the substance/mixture and of the company/undertakin	a
Product identifier	5
Trade name:	
Big Endothelin-1 (human)	
Article number:	
new: 4014579 old: H-9030	
CAS Number:	
120796-97-6	
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:	
Emergency telephone number:	
Emergency telephone number: +41 44 251 51 51 (Tox Info Suisse)	
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<ul> <li>Emergency telephone number: +41 44 251 51 51 (Tox Info Suisse)</li> <li>O2 Hazards identification</li> <li>Classification of the substance or mixture</li> <li>Classification according to Regulation (EC) No 1272/2008</li> <li>O</li> <li>O</li> <li>GHS07</li> <li>Acute Tox. 4 - H302 Harmful if swallowed.</li> <li>Acute Tox. 4 - H312 Harmful in contact with skin.</li> <li>Acute Tox. 4 - H332 Harmful if inhaled.</li> </ul>	
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# Safety data sheet according to 1907/2006/EC, Article 31

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#### PRODUCT : Big Endothelin-1 (human)

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- Other hazards
- · Results of PBT and vPvB assessment
- PBT:
- Not applicable
- vPvB:
- Not applicable.

#### 03 Composition/information on ingredients

Description

- · Chemical characterization: Substances
- CAS No.
- 120796-97-6 Big Endothelin-1 (human)
- Identification number(s)
- · EC number:
- RTECS Number:

# 04 First aid measures

- · Description of first aid measures
- General information:
- Involve doctor immediately
- Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident. • After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. Call a doctor immediately.

- After skin contact: Seek immediate medical advice.
- After eye contact:
- Rinse opened eye for several minutes under running water.
- · After swallowing:
- Call for 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:

# 06 Accidental release measures

Mouth respiratory protective device.

- Personal precautions, protective equipment and emergency procedures Avoid formation of dust.
   Use respiratory protective device against the effects of fumes/dust/ aerosol.
   Wear protective clothing.
- Environmental precautions:
- Suppress gases/fumes/haze with water spray.
- · Methods and material for containment and cleaning up:

(Contd. on page 3)



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#### PRODUCT : Big Endothelin-1 (human)

- Dispose contaminated material as waste according to item 13.
- Reference to other sections

## 07 Handling and storage

#### · Handling:

- Precautions for safe handling Thorough dedusting.
   Ensure good ventilation/exhaustion at the workplace.
   Open and handle receptacle with care.
   Prevent formation of dust.
- Information about fire and explosion protection: Keep respiratory protective device available.
- · Conditions for safe storage, including any incompatibilities
- 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: Keep container tightly sealed. Store in dry conditions.
- Recommended storage temperature: < -15 °C</li>
- 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: Keep away from foodstuffs, beverages and feed.
   Store protective clothing separately.
   Avoid contact with the eyes and skin.
- 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.
- 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



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9 Physical and chemical prope	rties	
Information on basic physical and che	mical properties	
General Information		
Appearance:		
Form:	Powder	
Colour:	White	
Odour:	Nearly odourless	
Odour threshold:	Not determined.	
oH-value:	Not determined.	
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.	
Other information	No further relevant information available.	

# 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 effectsAcute toxicity:
- No further relevant information available.
- Primary irritant effect: on the skin:
- No further relevant infor
- No further relevant information available. • on the eye:
  - No further relevant information available.

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# PRODUCT : Big Endothelin-1 (human)

Sensitization:

No sensitising effects known.

# 12 Ecological information

 Toxicity
 Aquatic 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.
- · 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 05
- · Uncleaned packaging:
- Recommendation:
  - Disposal must be made according to official regulations.

# 14 Transport information

•		
UN-Number		
ADR	Void	
IMDG	Void	
ΙΑΤΑ	Void	
<ul> <li>UN proper shipping name</li> </ul>		
ADR	Void	
IMDG	Void	
ΙΑΤΑ	Void	
<ul> <li>Transport hazard class(es)</li> <li>ADR</li> </ul>		
Class	Void	
IMDG		
Class	Void	
ΙΑΤΑ		
Class	Void	
Packing group		
ADR	Void	
IMDG	Void	
ΙΑΤΑ	Void	
Environmental hazards: Not applicable.     Transport in bulk according to Appen II (	of MARPOL 73/78 and the IRC Code	

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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## PRODUCT : Big Endothelin-1 (human)

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Not applicable.

 Transport/Additional information: Not applicable.

## 15 Regulatory information

- · Safety, health and environmental regulations/legislation specific for the substance or mixture
- · 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 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO: International Civil Aviation Organisation ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (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 vPvB: very Persistent and very Bioaccumulative