



291700

BACHEM

Revision: 11.05.2011 Printing date: 07.07.2016

01 Identification of the substance mixture and of the company/undertaking	
01 Identification of the substance/mixture and of the company/undertaking	
Product identifier	
Trade name:	
([¹³C₅]Leu ⁶)-Endothelin-1 (human, bovine, dog, mouse, porcine, rat) acetate salt	
Article number: new: 4072029 old: H-7254	
new. 4072029 Old. H-7234	
 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	
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 of the substance or mixture Classification according to Regulation (EC) No 1272/2008 	
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 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 GHS06 Acute Tox. 3 - H301 Toxic if swallowed. Acute Tox. 3 - H311 Toxic in contact with skin. 	
 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 GHS06 Acute Tox. 3 - H301 Toxic if swallowed. Acute Tox. 3 - H311 Toxic in contact with skin. Acute Tox. 3 - H331 Toxic if inhaled. 	
 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 GHS06 Acute Tox. 3 - H301 Toxic if swallowed. Acute Tox. 3 - H311 Toxic in contact with skin. Acute Tox. 3 - H331 Toxic if inhaled. Label elements 	
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 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 Construction of the substance or mixture Classification according to Regulation (EC) No 1272/2008 Acute Tox. 3 - H301 Toxic if swallowed. Acute Tox. 3 - H311 Toxic in contact with skin. Acute Tox. 3 - H311 Toxic in contact with skin. Acute Tox. 3 - H311 Toxic if inhaled. Label elements Label elements Labelling according to Regulation (EC) No 1272/2008 Construction of the substance of the statements Hazard statements H301 Toxic if swallowed. H311 Toxic in contact with skin. H331 Toxic if inhaled. Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash thoroughly after handling. P270 Do no eat, drink or smoke when using this product. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. P403+P233 Store in a well-vertilated place. Keep container tighty closed. P501a Dispose of contents/container in accordance with local/regional/ national/international regulations. 	
 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 <i>v</i> <i>G</i> <i>G</i> Acute Tox. 3 - H301 Toxic if swallowed. Acute Tox. 3 - H301 Toxic if invalued. Acute Tox. 3 - H301 Toxic if inhaled. Label elements Label elements Labelling according to Regulation (EC) No 1272/2008 <i>v</i> <i>G</i> <i>G</i>	
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- ([¹³C₆]Leu⁶)-Endothelin-1 (human, bovine, dog, mouse, porcine, rat)
- Identification number(s)
- EINECS Number:
- RTECS Number:

04 First aid measures

- General information: Involve doctor immediately. Immediately remove any clothing soiled by the product. Remove breathing equipment only after contaminated clothing have been completely removed. In case of irregular breathing or respiratory arrest provide artificial respiration. · After inhalation: Supply fresh air or oxygen; call for doctor. In case of unconsciousness place patient stably in side position for transportation. Call a doctor immediately. After skin contact: Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice. · After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing: Do not induce vomiting; call for medical help 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

05 Firefighting measures

Suitable extinguishing agents:

No further relevant information available.

- 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:
- Mouth respiratory protective device.

06 Accidental release measures

- 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: Dispose contaminated material as waste according to item 13.



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	(Contd. of page 2)
07 Handling and storage	
Handling:	
 Precautions for safe handli 	ing
Thorough dedusting.	
Ensure good ventilation/exhau	istion at the workplace.
Open and handle receptacle w	
Prevent formation of dust.	
Information about fire - and	
Keep respiratory protective de	evice available.
 Storage: Boquiroments to be met by 	v storerooms and receptacles:
No special requirements.	storerooms and receptacies.
	in one common storage facility:
Store away from foodstuffs.	
Further information about s	storage conditions:
Keep container tightly sealed.	
Store in dry conditions.	
 Recommended storage ter -20 +/- 5 °C 	nperature:
 Specific end use(s) 	
No further relevant information	n available.
 Additional information: 	
	ng were used as basis.
 Additional information. The lists valid during the making Personal protective equipment 	
The lists valid during the making	nent:
The lists valid during the makingPersonal protective equipmGeneral protective and hyperbolic keep away from foodstuffs, be	nent: gienic measures: everages and feed.
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 The lists valid during the making Personal protective equipming General protective and hydrogen way from foodstuffs, being mediately remove all soiled 	nent: gienic measures: everages and feed. and contaminated clothing rately.
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 The lists valid during the makin Personal protective equipm General protective and hygore keep away from foodstuffs, be Immediately remove all soiled Store protective clothing separa Avoid contact with the eyes ar Respiratory protection: In case of brief exposure or lo respiratory protective device. Protection of hands: The glove material has to be in Due to missing tests no recom Selection of the gloves Material of gloves The selection of the suitable g 	Interview of the penetration times, rates of diffusion and the degradation loves does not only depend on the material, but also on further marks of quality and varies from
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		(Contd. on page 4
Change in condition		
Molecular Weight	2.497,8800 g/mol	
Odour threshold:	Not determined.	
Odour:	Nearly odourless	
Colour:	White	
Form:	Lyophilisate	
Appearance:		



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RODUCT : ([¹³ C ₈]Leu ^s)-Endothelin	-1 (human, bovine, dog, mouse, porcine, rat) aceta	ate salt
		(Contd. of page 3)
Melting point/Melting range:	Undetermined.	
Boiling point/Boiling range:	Undetermined.	
Flash point:	Not applicable.	
Flammability (solid, gaseous):	Not applicable.	
Ignition 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

Thermal decomposition / conditions to be avoided: • No decomposition if used according to specifications.

- · Possibility of hazardous reactions
- No dangerous reactions known. Conditions to avoid ٠
- 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.

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.

(Contd. on page 5)





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PRODUCT :	([¹³ C ₆]Leu ^e)-Endothelin-1 (human	n, bovine, dog, mouse, porcine, rat) acetate salt	1
 General no Not known to Results of I PBT: 	o be hazardous to water. PBT and vPvB assessment		(Contd. of page 4)
Not applicab • vPvB: Not applicab • Other adve No further re	le.		
13 Disposal	considerations		
	tment methods		
 Uncleaned Recommer Disposal mu 		ons.	
14 Transport	: information		
21 Hanoport			
ADR/RID cla		6.1 (T2)	
ADR/RID cla Danger code		60	
ADR/RID cla Danger code UN-Number:	(Kemler):	60 2811	
ADR/RID cla Danger code	(Kemler): roup:	60 2811 III	
ADR/RID cla Danger code UN-Number: Packaging g	roup: : 6.1	60 2811 III	
ADR/RID cla Danger code UN-Number: Packaging g Hazard label UN proper sl	n (Kemler): roup: : 6.1	60 2811 III 2811 TOXIC SOLID, ORGANIC, N.O.S.	
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ADR/RID cla Danger code UN-Number: Packaging g Hazard label UN proper sl Excepted qu Limited quar Transport ca Tunnel restri IMDG Class: UN Number: Label Packaging g	roup: (Kemler): roup: : 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1	60 2811 III 2811 TOXIC SOLID, ORGANIC, N.O.S. E1 LQ9 2 E 6.1 2811	
ADR/RID cla Danger code UN-Number: Packaging g Hazard label Excepted qu Limited quar Transport ca Tunnel restri IMDG Class: UN Number: Label Packaging g EMS Number	roup: (Kemler): roup: (6.1) (6.1) (6.1) (1.2)	60 2811 III 2811 TOXIC SOLID, ORGANIC, N.O.S. E1 LQ9 2 E 6.1 2811 III F-A,S-A	
ADR/RID cla. Danger code UN-Number: Packaging g Hazard label Excepted qu Limited quar Transport ca Tunnel restri IMDG Class: UN Number: Label Packaging g EMS Numbe Proper shipp	roup: (Kemler): (Kemler): (I antities (I antities (60 2811 III 2811 TOXIC SOLID, ORGANIC, N.O.S. E1 LQ9 2 E 6.1 2811 III F-A,S-A TOXIC SOLID, ORGANIC, N.O.S.	
ADR/RID cla Danger code UN-Number: Packaging g Hazard label Excepted qu Limited quar Transport ca Tunnel restri IMDG Class: UN Number: Label Packaging g EMS Number	roup: roup: (Kemler): (6.1) (6) (6) (6) (6) (6) (6) (6) (6	60 2811 III 2811 TOXIC SOLID, ORGANIC, N.O.S. E1 LQ9 2 E 6.1 2811 III F-A,S-A	



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RODUCT : ([¹³ C ₆]Leu ⁶)-Endothelin	n-1 (human, bovine, dog, mouse, porcine, rat) acetate salt
Label	6.1 (Contd. of page 5)
Packaging group:	. III
 Proper shipping name: UN "Model Regulation": UN 2811 TOXIC SOLID, ORGANIC, N.C. Environmental hazards: Not applicable. Special precautions for user Warning: Toxic substances. Transport in bulk according to Anne Not applicable. 	TOXIC SOLID, ORGANIC, N.O.S. O.S., 6.1, III ex II of MARPOL73/78 and the IBC Code
.5 Regulatory informationChemical safety assessment:	
A Chemical Safety Assessment has not .6 Other information	been carried out.
	nowledge. However, this shall not constitute a guarantee for any specific product features actual relationship.
Carriage of Dangerous Goods by Road)	nt le transport des marchandises dangereuses par chemin de fer (Regulations Concerning th oods by Rail) Dangerous Goods iation isation