

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

1735500

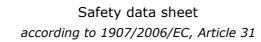
Revision: 04.11.2015 Printing date: 07.07.2016

Product identifie	er	
Trade name:		
Angiotensin III		
Article number:		
new: 4007359	old: H-1755	
CAS Number:		
13602-53-4		
Relevant identif	fied uses of the substance or mixture and uses advised against	
	he substance / the preparation	
Laboratory chemi	icals	
Details of the su	upplier of the safety data sheet	
Manufacturer/S	upplier:	
Bachem AG	A	
Hauptstrasse 144 CH-4416 Bubend		
Switzerland		
E-mail msds@ba		
Tel +41 58 595 20 Fax +41 58 595 2		
1 82 141 30 333 2		
	tion obtainable from:	
Department: Mark	xeting	
 Emergency tele +41 44 251 51 51 	ephone number: I (Tox Info Suisse)	
Hazards ider		
	f the substance or mixture ccording to Regulation (EC) No 1272/2008	
Void	coolding to Regulation (EC) No 12/2/2000	
Label elements		
 Labelling accord Void 	ding to Regulation (EC) No 1272/2008	
 Signal word 		
VoidHazard stateme	ents	
Void		
Other hazards		
	and vPvB assessment	
PBT:		
Not applicable.vPvB:		
Not applicable.		

CAS No.Description13602-53-4Angiotensin III• Identification number(s)

- EC number:
- RTECS Number:
- GB





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PRODUCT : Angiotensin III

- 04 First aid measures
 - Description of 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

- · 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:
- No special measures required.

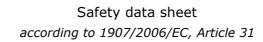
06 Accidental release measures

- 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.
- Reference to other sections

07 Handling and storage

- Handling:
- Precautions for safe handling Prevent formation of dust.
- Information about fire and explosion protection: No special measures required.
- · 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: Store in dry conditions.
- Recommended storage temperature:
 <-15 °C
- Specific end use(s)
- No further relevant information available.





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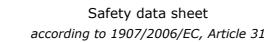
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08 Exposure cont	rols/personal protection
Control parameter	S
 Ingredients with lir 	nit values that require monitoring at the workplace:
CAS No.	Designation of material
Not required.	
Additional informa	tion:
The lists valid during	the making were used as basis.
Exposure controls	
 Personal protectiv 	e equipment:
 General protective 	and hygienic measures:
The usual precaution	nary measures are to be adhered to when handling chemicals.
 Respiratory protect 	tion:
	sure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained
respiratory protective	
	ory protective device in case of insufficient ventilation.
Protection of hand	
•	as to be impermeable and resistant to the product/ the substance/ the preparation.
•	no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. e material on consideration of the penetration times, rates of diffusion and the degradation
Protective gloves	ב המנכוימו טון כטוושועבימנטיו טו נוופ אבוופנומנוטון נווופט, ומנכט טו טוועטוטון מווע נוופ עפעומטמנטון
 Material of gloves 	
0	suitable gloves does not only depend on the material, but also on further marks of quality and varies from
manufacturer to mar	
Penetration time c	
	bugh time has to be found out by the manufacturer of the protective gloves and has to be observed.

09 Physical and chemical properties

Information on basic physical and che	emical properties	
General Information		
Appearance:		
Form:	Powder	
Colour:	White	
Odour:	Nearly odourless	
Odour threshold:	Not determined.	
pH-value:	Not determined.	
Change in condition		
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:	at 25 °C 1,00 g/l	
Viscosity:		





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Dynamic:	Not determined.
Kinematic:	Not determined.
Other information	No further relevant information available.
.0 Stability and reactivity	
Reactivity	
 Chemical stability 	
Thermal decomposition / cond	
No decomposition if used accordin	
 Possibility of hazardous reacti No dangerous reactions known. 	
Conditions to avoid	
No further relevant information available	ailable.
Incompatible materials:	
No further relevant information ava	
 Hazardous decomposition pro No dangerous decomposition proc 	
1 Toxicological informatio	n .
Information on toxicological eff	fects
Acute toxicity:	
No further relevant information available	ailable.
Primary irritant effect:	
on the skin:	
No further relevant information availableon the eye:	
No further relevant information ava	ailable.
Sensitization:	
No sensitising effects known.	
 Additional toxicological information of the substance is not subject to all 	ation: lassification according to the latest version of the EU lists.
.2 Ecological information	
Toxicity	
Aquatic toxicity:	
No further relevant information available	
Persistence and degradability	
No further relevant information ava	
 Behaviour in environmental sy Bioaccumulative potential 	13151113.
	ailable.
No further relevant information ava	
 Mobility in soil 	ailable
 Mobility in soil No further relevant information available 	
 Mobility in soil No further relevant information available Additional ecological information 	
 Mobility in soil No further relevant information available Additional ecological information General notes: 	ion:
 Mobility in soil No further relevant information available Additional ecological information General notes: Not known to be hazardous to water 	ion: ter.
 Mobility in soil No further relevant information available Additional ecological information General notes: Not known to be hazardous to wale Results of PBT and vPvB associated 	ion: ter.
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 Mobility in soil No further relevant information available Additional ecological information General notes: Not known to be hazardous to wail Results of PBT and vPvB assoint PBT: 	ion: ter.
 Mobility in soil No further relevant information available Additional ecological information General notes: Not known to be hazardous to wail Results of PBT and vPvB asset PBT: Not applicable. 	ion: ter.

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PRODUCT : Angiotensin III		Contra of action
13 Disposal considerations		(Contd. of page 4
Waste treatment methods		
Waste disposal key:		
18 02 06		
 Uncleaned packaging: 		
Recommendation: Dispaced must be made according to office	iel regulations	
Disposal must be made according to office		
14 Transport information		
 UN-Number 	Void	
IMDG	Void	
IATA	Void	
 UN proper shipping name 	Volu	
ADR	Void	
IMDG	Void	
ΙΑΤΑ	Void	
 Transport hazard class(es) 		
ADR		
Class	Void	
IMDG		
Class	Void	
ΙΑΤΑ		
Class	Void	
Packing group		
ADR	Void	
IMDG	Void	
ΙΑΤΑ	Void	
 Environmental hazards: 		
Not applicable.	I of MARROL 72/79 and the IRC Code	
 Transport in bulk according to Anne: Not applicable. 	II of MARPOL73/78 and the IBC Code	
Transport/Additional information:		

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture

- · National regulations:
- · Waterhazard class:
- Generally not hazardous for water.Self-assessment
- 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

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Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internationa
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
WGK: Wassergefährdungsklasse
vPvB: very Persistent and very Bioaccumulative