

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

1349600

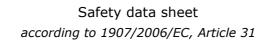
\*

Revision: 28.01.2013 Printing date: 07.07.2016

• Pr	roduct identifier
• Tra	ade name:
(Sa	ar <sup>1</sup> )-Angiotensin II
	ticle number:
ne	w: 4007360 old: H-1740
	AS Number:
51	833-69-3
	elevant identified uses of the substance or mixture and uses advised against
	oplication of the substance / the preparation boratory chemicals
• De	etails of the supplier of the safety data sheet
	anufacturer/Supplier:
	achem AG auptstrasse 144
	H-4416 Bubendorf
	vitzerland
	mail msds@bachem.com xl +41 58 595 2021
	ix +41 58 595 2021
_	
	urther information obtainable from:
De	epartment: Marketing
	mergency telephone number:
+4	11 44 251 51 51 (Tox Info Suisse)
	zards identification
	lassification of the substance or mixture lassification according to Regulation (EC) No 1272/2008
Vo	
• La	abel elements
• La Vo	abelling according to Regulation (EC) No 1272/2008
• Sig	gnal word
Vo	
• Ha Vo	azard statements
	ther hazards
	esults of PBT and vPvB assessment
• PE	3T:
	ot applicable.
• vP	
No	ot applicable.

- · Chemical characterization: Substances
- CAS No.Description51833-69-3(Sar1)-Angiotensin II• Identification number(s)
- EC number:
- RTECS Number:
- GB





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### PRODUCT : (Sar<sup>1</sup>)-Angiotensin II

(Contd. of page 1) 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.

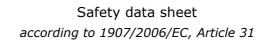
### 06 Accidental release measures

- 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: -20 +/- 5 °C
- Specific end use(s)
- No further relevant information available.





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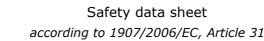
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PRO	DUCT: (Sar1)-Angiotensin II	
	(Contd. of	page 2)
08 E	Exposure controls/personal protection	
	Control parameters Ingredients with limit values that require monitoring at the workplace:	
-	CAS No. Designation of material Not required.	
	Additional information: The lists valid during the making were used as basis.	
	Exposure controls Personal protective equipment: General protective and hygienic measures: 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-conta 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 in 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.	om
•	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	

# 09 Physical and chemical properties

General Information		
Appearance:		
Form:	Powder	
Colour:	White	
Odour:	Nearly odourless	
Odour threshold:	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:		-
Dynamic:	Not determined.	





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#### **PRODUCT** : (Sar1)-Angiotensin II

Kinematic: Other information Not determined.

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 effects
- 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:

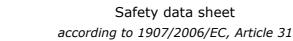
The substance is not subject to classification according to the latest version of the EU lists.

# 12 Ecological information

- Toxicity
- Aquatic 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:
- Not applicable.
- vPvB:
- Not applicable.
- Other adverse effects
- No further relevant information available.

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# PRODUCT : (Sar')-Angiotensin II (Contd. of page 4) 13 Disposal considerations • Waste treatment methods • Waste disposal key: 18 02 06

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

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> </ul>		
Class	Void	
IMDG		
Class	Void	
ΙΑΤΑ		
Class	Void	
<ul> <li>Packing group</li> </ul>		
ADR	Void	
IMDG	Void	
ΙΑΤΑ	Void	
<ul> <li>Environmental hazards: Not applicable.</li> <li>Transport in bulk according to Anne Not applicable.</li> </ul>	ex II of MARPOL73/78 and the IBC Code	

# 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.

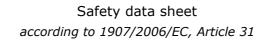
# 16 Other information

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