

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

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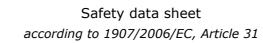
Revision: 06.01.2012 Printing date: 07.07.2016

	Identification of the substance/mixture and of the company/undertaking	
•	Product identifier	
•	Trade name:	
	Ac-Ala-Ala-OH	
	Article number:	
	new: 4001561 old: G-1000	
	CAS Number:	
	19245-87-5	
	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:	
	+41 44 251 51 51 (Tox Info Suisse)	
2	Hazards identification	
	Classification of the substance or mixture	
•	Classification according to Regulation (EC) No 1272/2008 Void	
•		
•	Labelling according to Regulation (EC) No 1272/2008	
	Void Signal word	
	Void	
•	Hazard statements	
	Void Other hazards	
	Results of PBT and vPvB assessment	
	PBT:	
	Not applicable.	
•	vPvB:	
	Not applicable.	
2	Composition/information on ingredients	
	Chemical characterization: Substances	
	Luemical characterization. Substances	

- EC number:
- -
- RTECS Number:

GB





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#### PRODUCT : Ac-Ala-Ala-OH

O4 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:

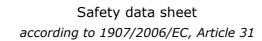
- No special measures required.
- Methods and material for containment and cleaning up: Pick up mechanically.

### 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.

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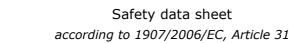
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08 Exposure cor	trols/personal protection	
<ul> <li>Ingredients with</li> </ul>	limit values that require monitoring at the workplace:	
CAS No. Not required.	Designation of material	
<ul> <li>Personal protect</li> <li>General protect</li> <li>The usual precau</li> <li>Respiratory pro</li> <li>In case of brief expeription of brief expeription protect</li> <li>Use suitable respiratory protection of that</li> <li>The glove materiation</li> <li>Due to missing the selection of the generative gloves</li> <li>Material of glow</li> <li>The selection of the manufacturer to m</li> <li>Penetration time</li> </ul>	Ing the making were used as basis. ive equipment: ve and hygienic measures: ionary measures are to be adhered to when handling chemicals. ection: posure or low pollution use respiratory filter device. In case of intensive or longer exp 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 to no consideration of the penetration times, rates of diffusion and the deg s e suitable gloves does not only depend on the material, but also on further marks of anufacturer.	ation/ the chemical mixture. radation quality and varies from

General Information	
Appearance:	
Form:	Powder
Colour:	White
Odour:	Nearly odourless
Odour threshold:	Not determined.
Molecular Weight	202,2100 g/mol
Change in condition	
Melting point/Melting range:	172 °C
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.



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#### PRODUCT : Ac-Ala-Ala-OH

#### 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
- 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



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## **PRODUCT** : Ac-Ala-Ala-OH (Contd. of page 4) 14 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. 15 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. 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 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 · \* Data compared to the previous version altered.