

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

1329800

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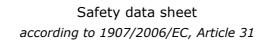
Revision: 21.01.2013 Printing date: 07.07.2016

•	Product identifier
•	Trade name:
	H-Ala-Ala-Ala-Tyr-OH
•	
	new: 4000371 old: H-1390
•	CAS Number:
	112079-60-4
•	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
•	
	+41 44 251 51 51 (Tox Info Suisse)
2	Hazards identification
	Classification of the substance or mixture
•	
	Void
•	Label elements
•	Labelling according to Regulation (EC) No 1272/2008
-	Void Signal word
•	Signal word Void
•	Hazard statements
	Void
	Other hazards
	Results of PBT and vPvB assessment
•	PBT:
	Not applicable. vPvB:
	Not applicable.

- CAS No.
- *Description* H-Ala-Ala-Ala-Tyr-OH 112079-60-4 Identification number(s)
- EC number:
- RTECS Number:

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PRODUCT : H-Ala-Ala-Ala-Tyr-OH (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:

- Suitable exiting using 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.

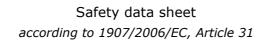
06 Accidental release measures

- 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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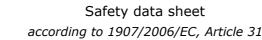
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08 Exposure cont	rols/personal protection	
 Control parameter 	rs	
 Ingredients with I 	mit values that require monitoring at the wo	orkplace:
CAS No. Not required.	Designation of material	
Additional inform	ation:	
The lists valid durin	g the making were used as basis.	
Exposure control	3	
 Personal protecti 	ve equipment:	
 General protectivity 	e and hygienic measures:	
	nary measures are to be adhered to when handl	ing chemicals.
 Respiratory prote 		
		e. In case of intensive or longer exposure use self-contained
respiratory protectiv	e device. tory protective device in case of insufficient vent	tilation
 Protection of han 		liation.
	has to be impermeable and resistant to the produ	ict/ the substance/ the preparation
Due to missing test Selection of the glo		e given for the product/ the preparation/ the chemical mixture
Protective gloves		
Material of gloves		
manufacturer to ma	nufacturer.	tterial, but also on further marks of quality and varies from
 Penetration time 	•	
	ough time has to be found out by the manufactur	rer of the protective gloves and has to be observed.
 Eye protection: 		

09 Physical and chemical properties

Information on basic physical and che	emical properties	
General Information		
Appearance:		
Form:	Powder	
Colour:	Whitish	
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:	Not determined.	
Viscosity:		
Dynamic:	Not determined.	





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PRODUCT : H-Ala-Ala-Ala-Tyr-OH

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:

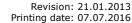
The substance is not subject to classification according to the latest version of the EU lists.

12 Ecological information

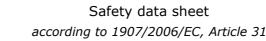
- Toxicity
- Aquatic toxicity:
- No further relevant information available.
- Persistence and degradability
- No further relevant information available. Behaviour in environmental systems:
- Bioaccumulative potential
- No further relevant information available.
- · Mobility in soil
- No further relevant 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 : H-Ala-Ala-Ala-Tyr-OH (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 14 Transport information UN-Number ADR Void IMDG Void ΙΑΤΑ Void · UN proper shipping name ADR Void IMDG Void ΙΑΤΑ Void Transport hazard class(es) ADR Void Class IMDG Class Void ΙΑΤΑ Void Class · Packing group Void ADR IMDG Void ΙΑΤΑ Void · Environmental hazards: Not applicable. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. · Transport/Additional information: Not applicable.

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.

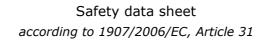
16 Other information

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