

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

2348200

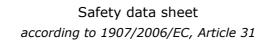
Revision: 12.12.2017 Printing date: 12.12.2017

•	Product identifier
•	Trade name:
	H-Ala-Glu-OH
•	Article number:
	new: 4002318 old: G-1200
•	CAS Number:
	13187-90-1
•	
•	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)
	Hazards identification
	Classification of the substance or mixture
•	Classification according to Regulation (EC) No 1272/2008 Void
•	Label elements
•	Labelling according to Regulation (EC) No 1272/2008
	Void Signal word
	Void
•	Hazard statements
	Void Other hazarda
	Other hazards Results of PBT and vPvB assessment
	PBT:
	Not applicable.
•	vPvB:
	Not applicable.
2	Composition/information on ingredients
	composition/mormation on ingredients

- Identification number(s)EC number:
- RTECS Number:

GB -





2348200

BACHEM

Revision: 12.12.2017 Printing date: 12.12.2017

PRODUCT : H-Ala-Glu-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

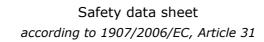
- · Extinguishing media
- · Suitable extinguishing agents:
- CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. • Special hazards arising from the substance or mixture
- No further relevant information available.
- Advice for firefighters
- Protective equipment:
- 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.



2348200

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Revision: 12.12.2017 Printing date: 12.12.2017

	(Contd. of page 2
08 E	xposure controls/personal protection
•	Control parameters
•	Ingredients with limit values that require monitoring at the workplace:
•	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-contained 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 mixture. 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.
_	
•	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
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General Information				
Appearance:				
Form:	Powder			
Colour:	White			
Odour:	Nearly odourless			
Odour threshold:	Not determined. Not determined.			
pH-value:				
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.			
Kinematic:	Not determined.			



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Revision: 12.12.2017 Printing date: 12.12.2017

(Contd. of page 3)

PRODUCT : H-Ala-Glu-OH

Other information

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 sensitising 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.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
- · Uncleaned packaging:
- Recommendation:
- Disposal must be made according to official regulations



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		(Contd. of page 4)
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 		
Class	Void	
IMDG		
Class	Void	
ΙΑΤΑ		
Class	Void	
Packing group		
ADR	Void	
IMDG	Void	
ΙΑΤΑ	Void	
	nex 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
- 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
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
* Data compared to the previous version altered.