

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

2348200

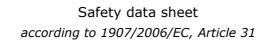
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•	Product identifier
•	Trade name:
	H-Ala-Glu-OH
•	Article number:
	new: 4002318 old: G-1200
•	CAS Number:
	13187-90-1
•	
•	Application of the substance / the preparation Laboratory chemicals
•	Details of the supplier of the safety data sheet
	Manufacturer/Supplier:
•	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 -





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BACHEM

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#### 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

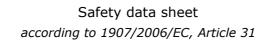
- · Extinguishing media
- · Suitable extinguishing agents:
- CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. • Special hazards arising from the substance or mixture
- No further relevant information available.
- Advice for firefighters
- Protective equipment: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



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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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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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14 Transport information		
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) ADR</li> </ul>		
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	
<ul> <li>Not applicable.</li> <li>Transport/Additional information: Not applicable.</li> </ul>		

### 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.