Page: 1 / 6



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

1316700

Revision: 20.12.2012 Printing date: 07.07.2016

01 Identification of the substance/mixture and of the company/undertaking

- · Product identifier
- Trade name: H-Asp-Ala-His-Lys-OH
- Article number:

new: 4009490 old: H-2020

- CAS Number: 111543-77-2
- · 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)

* 02 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 hazards
- Results of PBT and vPvB assessment
- PBT:

Not applicable.

vPvB:

Not applicable.

03 Composition/information on ingredients

· Chemical characterization: Substances

CAS No. Description

111543-77-2 H-Asp-Ala-His-Lys-OH

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

GB

Page: 2 / 6



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

1316700

Revision: 20.12.2012 Printing date: 07.07.2016

PRODUCT: H-Asp-Ala-His-Lys-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:
 - -20 +/- 5 °C
- · Specific end use(s)

No further relevant information available.

GB





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

1316700

Revision: 20.12.2012 Printing date: 07.07.2016

PRODUCT: H-Asp-Ala-His-Lys-OH

(Contd. of page 2)

(Contd. on page 4)

08 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-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 Information on basic 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 ℃ 1,00 g/l
Viscosity:	
Dynamic:	Not determined.

Page: 4 / 6



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

1316700

Revision: 20.12.2012 Printing date: 07.07.2016

PRODUCT: H-Asp-Ala-His-Lys-OH

Kinematic: Not determined.

Other information No further relevant information available.

(Contd. of page 3)

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.

GB

Page: 5 / 6



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

1316700

Revision: 20.12.2012 Printing date: 07.07.2016

(Contd. of page 4)

PRODUCT: H-Asp-Ala-His-Lys-OH

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

IATA Void

• UN proper shipping name

ADR Void
IMDG Void
IATA Void

· Transport hazard class(es)

ADR

Class Void

IMDG

Class Void

IATA

Class Void

· Packing group

ADR Void
IMDG Void
IATA 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

(Contd. on page 6)





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

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Revision: 20.12.2012 Printing date: 07.07.2016

PRODUCT: H-Asp-Ala-His-Lys-OH

(Contd. of page 5)

· 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

WGK: Wassergefährdungsklasse

vPvB: very Persistent and very Bioaccumulative