

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

292300

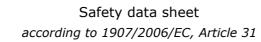
Revision: 12.05.2011 Printing date: 07.07.2016

•	Product identifier
	Trade name:
	H-Lys(Tfa)-OH
	Article number:
	new: 4008182 old: E-2615
	CAS Number:
	10009-20-8
	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)
) L	lazards 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 hezerde
	Other hazards Results of PBT and vPvB assessment
	PBT:
	Not applicable.
	vPvB:
	Not applicable.
3 C	Composition/information on ingredients

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

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292300

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Revision: 12.05.2011 Printing date: 07.07.2016

#### **PRODUCT** : H-Lys(Tfa)-OH (Contd. of page 1) 04 First aid measures · General information: No special measures required. · 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

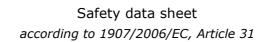
- Personal precautions, protective equipment and emergency procedures
   Not required.
- Environmental precautions:
  - No special measures required.
- Methods and material for containment and cleaning up: Pick up mechanically.

# 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.

(Contd. on page 3)





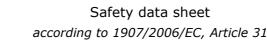
292300

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Revision: 12.05.2011 Printing date: 07.07.2016

PRODUCT : H-Lys(Tfa)-OH	
	(Contd. of page 2)
08 Exposure controls/personal p	protection
<ul> <li>Ingredients with limit values that required</li> </ul>	uire monitoring at the workplace:
Not required.	
Additional information:	
<ul><li>The lists valid during the making were us</li><li>Personal protective equipment:</li></ul>	ed as basis.
<ul> <li>General protective and hygienic mea</li> </ul>	asures:
	b be adhered to when handling chemicals.
Respiratory protection:	Ŭ
	use respiratory filter device. In case of intensive or longer exposure use self-contained
respiratory protective device. Use suitable respiratory protective device	a in case of insufficient ventilation
<ul> <li>Protection of hands:</li> </ul>	
	e and resistant to the product/ the substance/ the preparation.
-	to the glove material can be given for the product/ the preparation/ the chemical mixture.
-	eration of the penetration times, rates of diffusion and the degradation
<ul><li>Protective gloves</li><li>Material of gloves</li></ul>	
0	not only depend on the material, but also on further marks of quality and varies from
manufacturer to manufacturer.	
Penetration time of glove material	
C C	ound out by the manufacturer of the protective gloves and has to be observed.
<ul> <li>Eye protection: Safety glasses</li> </ul>	
Salety glasses	
09 Physical and chemical prope General Information	rties
General Information Appearance:	
General Information Appearance: Form:	Powder
General Information Appearance: Form: Colour:	Powder White
General Information Appearance: Form: Colour: Odour:	Powder White Nearly odourless
General Information Appearance: Form: Colour: Odour: Odour threshold:	Powder White Nearly odourless Not determined.
General Information Appearance: Form: Colour: Odour: Odour threshold: Molecular Weight	Powder White Nearly odourless
General Information Appearance: Form: Colour: Odour: Odour threshold: Molecular Weight Change in condition	Powder White Nearly odourless Not determined. 242,2000 g/mol
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General Information Appearance: Form: Colour: Odour: Odour threshold: Molecular Weight Change in condition Melting point/Melting range:	Powder White Nearly odourless Not determined. 242,2000 g/mol Undetermined.
General Information Appearance: Form: Colour: Odour: Odour threshold: Molecular Weight Change in condition Melting point/Melting range: Boiling point/Boiling range:	Powder White Nearly odourless Not determined. 242,2000 g/mol Undetermined. Undetermined.
General Information Appearance: Form: Colour: Odour: Odour threshold: Molecular Weight Change in condition Melting point/Melting range: Boiling point/Boiling range: Flash point:	Powder White Nearly odourless Not determined. 242,2000 g/mol Undetermined. Undetermined. Not applicable.
General Information Appearance: Form: Colour: Odour: Odour threshold: Molecular Weight Change in condition Melting point/Melting range: Boiling point/Boiling range: Flash point: Flammability (solid, gaseous): Ignition temperature: Decomposition temperature:	Powder White Nearly odourless Not determined. 242,2000 g/mol Undetermined. Undetermined. Not applicable.
General Information Appearance: Form: Colour: Odour: Odour threshold: Molecular Weight Change in condition Melting point/Melting range: Boiling point/Melting range: Flash point: Flammability (solid, gaseous): Ignition temperature: Decomposition temperature: Self-igniting:	Powder White Nearly odourless Not determined. 242,2000 g/mol Undetermined. Undetermined. Not applicable. Not applicable.
General Information Appearance: Form: Colour: Odour: Odour threshold: Molecular Weight Change in condition Melting point/Melting range: Boiling point/Melting range: Flash point: Flammability (solid, gaseous): Ignition temperature: Decomposition temperature: Self-igniting: Danger of explosion:	Powder White Nearly odourless Not determined. 242,2000 g/mol Undetermined. Undetermined. Not applicable. Not applicable. Not determined.
General Information Appearance: Form: Colour: Odour: Odour threshold: Molecular Weight Change in condition Melting point/Melting range: Boiling point/Melting range: Flash point: Flammability (solid, gaseous): Ignition temperature: Decomposition temperature: Self-igniting:	Powder White Nearly odourless Not determined. 242,2000 g/mol Undetermined. Undetermined. Not applicable. Not applicable. Not applicable. Not determined.
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General Information Appearance: Form: Colour: Odour: Odour threshold: Molecular Weight Change in condition Melting point/Melting range: Boiling point/Melting range: Flash point: Flammability (solid, gaseous): Ignition temperature: Decomposition temperature: Self-igniting: Danger of explosion: Explosion limits: Lower: Upper: Vapour pressure: Density:	Powder White Nearly odourless Not determined. 242,2000 g/mol Undetermined. Undetermined. Undetermined. Not applicable. Not applicable. Not determined. Not determined. Not determined. Not determined. Not determined. Not determined. Not determined. Not determined.
General Information Appearance: Form: Colour: Odour the shold: Molecular Weight Change in condition Melting point/Melting range: Boiling point/Melting range: Flash point: Flammability (solid, gaseous): Ignition temperature: Decomposition temperature: Self-igniting: Danger of explosion: Explosion limits: Lower: Upper: Vapour pressure: Density: Solubility in / Miscibility with	Powder         White         Nearly odourless         Not determined.         242,2000 g/mol         Undetermined.         Undetermined.         Undetermined.         Not applicable.         Not determined.         Not determined.
General Information Appearance: Form: Colour: Odour: Odour threshold: Molecular Weight Change in condition Melting point/Melting range: Boiling point/Melting range: Flash point: Flammability (solid, gaseous): Ignition temperature: Decomposition temperature: Self-igniting: Danger of explosion: Explosion limits: Lower: Upper: Vapour pressure: Density: Solubility in / Miscibility with water:	Powder         White         Nearly odourless         Not determined.         242,2000 g/mol         Undetermined.         Undetermined.         Undetermined.         Not applicable.         Not determined.         Not determined.

(Contd. on page 4)



292300

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Revision: 12.05.2011 Printing date: 07.07.2016

(Contd. of page 3)

### PRODUCT : H-Lys(Tfa)-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.
- Dangerous 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
- 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** : H-Lys(Tfa)-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 · 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
- · \* Data compared to the previous version altered.