

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

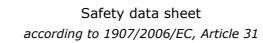
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Revision: 09.05.2012 Printing date: 07.07.2016

•	Product identifier	
•	Trade name:	
	H-Asn(Trt)-OH	
	Article number:	
	new: 4014946 old: E-2810	
	CAS Number:	
	132388-58-0	
•	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)	
		_
2	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:	
•	PBT: Not applicable.	
•	vPvB:	
	Not applicable.	
3	Composition/information on ingredients	
	Chemical characterization: Substances	

- EC number:
- RTECS Number:
- -





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#### **PRODUCT** : H-Asn(Trt)-OH

(Contd. of page 1) 04 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

· 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:

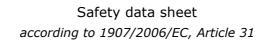
- No special measures required.
- Methods and material for containment and cleaning up: Pick up mechanically.

#### 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:
- RT
- Specific end use(s)
- No further relevant information available.

(Contd. on page 3)





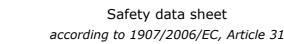
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PRODUCT : H-/	PRODUCT : H-Asn(Trt)-OH			
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08 Exposure co	ntrols/personal protection			
<ul> <li>Ingredients with</li> </ul>	limit values that require monitoring at the workplace:			
CAS No. Not required.	Designation of material			
<ul> <li>Personal protection</li> <li>General protection</li> <li>The usual precation</li> <li>Respiratory protection</li> <li>In case of brief eter</li> </ul>	ing the making were used as basis. tive equipment: ive and hygienic measures: tionary measures are to be adhered to when handling chemicals. tection: sposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained			
<ul> <li>Protection of had The glove matering Due to missing te</li> </ul>	iratory protective device in case of insufficient ventilation. Inds: al has to be impermeable and resistant to the product/ the substance/ the preparation. sts no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. love material on consideration of the penetration times, rates of diffusion and the degradation			
<ul><li>manufacturer to </li><li>Penetration time</li></ul>	he suitable gloves does not only depend on the material, but also on further marks of quality and varies from			

General Information	
Appearance:	
Form:	Powder
Colour:	White
Odour:	Nearly odourless
Odour threshold:	Not determined.
Molecular Weight	374,4400 g/mol
Change in condition	
Melting point/Melting range:	240 °C
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.
Other information	No further relevant information available.



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#### PRODUCT : H-Asn(Trt)-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.
- Hazardous 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-Asn(Trt)-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 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 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 WGK: Wassergefährdungsklasse vPvB: very Persistent and very Bioaccumulative · \* Data compared to the previous version altered.