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

84600

Revision: 06.04.2011 Printing date: 07.07.2016

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

- · Product identifier
- · Trade name:

Z-Phe-Arg-4MβNA · HCI

Article number:

new: 4008012 old: J-1140

 CAS Number: 100900-17-2

- · 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



GHS08

- Carc. 1A H350 May cause cancer.
 - · Label elements
 - Labelling according to Regulation (EC) No 1272/2008



GHS08

- Signal word
 - Danger
- Hazard statements

H350 May cause cancer.

Precautionary statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood. P281 Use personal protective equipment as required.

P201 Ose personal protective equipment as required.

 ${\sf P308+P313\ IF\ exposed\ or\ concerned:\ Get\ medical\ advice/attention.}$

P405 Store locked up.

P501a Dispose of contents/container in accordance with local/regional/ national/international regulations.

- · Other hazards
- · Results of PBT and vPvB assessment
- PBT:

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Not applicable.

vPvB:

Not applicable.

03 Composition/information on ingredients

· Chemical characterization: Substances

CAS No. Description

 $Z\text{-Phe-Arg-4M}\beta NA\cdot HCI$ 100900-17-2

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

· RTECS Number:

· Impurities and stabilising additives:

0.01% = < 4-methoxy-2-naphthylamine (CAS-No. 91-59-8) < = 0.1%

04 First aid measures

· After inhalation:

Seek immediate medical advice.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly.

Seek immediate medical advice.

· After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:

Seek immediate medical advice.

- · 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 Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/ aerosol.

Wear protective clothing.

· Environmental precautions:

Suppress gases/fumes/haze with water spray.

Methods and material for containment and cleaning up: Dispose contaminated material as waste according to item 13.

GB



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07 Handling and storage

- · Handling:
- · Precautions for safe handling

Open and handle receptacle with care.

Prevent formation of dust.

· Information about fire - and explosion protection:

Keep respiratory protective device available.

- · 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.

Protect from exposure to the light.

· Recommended storage temperature:

-20 +/- 5 °C

Specific end use(s)

No further relevant information available.

08 Exposure controls/personal protection

· Ingredients with limit values that require monitoring at the workplace:

Not required.

Additional information:

The lists valid during the making were used as basis.

- Personal protective equipment:
- General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Store protective clothing separately.

· 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.

· 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

Tightly sealed goggles

09 Physical and chemical properties

General Information

Appearance:

Form: Powder Colour: White

Odour:Nearly odourlessOdour threshold:Not determined.Molecular Weight647,1700 g/mol

Change in condition

Melting point/Melting range: Undetermined.

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	(Contd. of page 3)
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.

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.

12 Ecological information

- · Acquatic 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:

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· 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 05
- · Uncleaned packaging:
- · Recommendation:

Disposal must be made according to official regulations.

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:
- · Additional classification according to Decree on Hazardous Materials, Annex II:

Carcinogenic hazardous material group I (extremely dangerous).

Carcinogenic hazardous material group II (very dangerous).

Carcinogenic hazardous material group III (dangerous).

- · Information about limitation of use:
 - Workers are not allowed to be exposed to this hazardous material. Exceptions can be made by the authorities in certain cases.
- · 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

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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