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

1840400

Revision: 08.06.2016 Printing date: 07.07.2016

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

- · Product identifier
- · Trade name:

Cyclo(-Arg-Ala-Asp-D-Tyr-Lys) trifluoroacetate salt

Article number:

new: 4088969 old: H-8144

 CAS Number: 1193347-53-3

- · 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

1193347-53-3 Cyclo(-Arg-Ala-Asp-D-Tyr-Lys) trifluoroacetate salt

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

· RTECS Number:

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#### **PRODUCT:** Cyclo(-Arg-Ala-Asp-D-Tyr-Lys) trifluoroacetate salt

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



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### PRODUCT: Cyclo(-Arg-Ala-Asp-D-Tyr-Lys) trifluoroacetate salt

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### 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 che	mical properties	
General Information		
Appearance:		
Form:	Powder	
Colour:	White	
Odour:	Nearly odourless	
Odour threshold:	Not determined.	
pH-value:	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:		

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### PRODUCT: Cyclo(-Arg-Ala-Asp-D-Tyr-Lys) trifluoroacetate salt

(Contd. of page 3)

Dynamic:Not determined.Kinematic:Not determined.Other informationNo 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.
- · 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.

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Void

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### PRODUCT: Cyclo(-Arg-Ala-Asp-D-Tyr-Lys) trifluoroacetate salt

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#### 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

ADR Void

IMDG Void

IATA Void

• UN proper shipping name

ADR Void

IMDG Void

· Transport hazard class(es)

ADR

**IATA** 

**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

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### PRODUCT: Cyclo(-Arg-Ala-Asp-D-Tyr-Lys) trifluoroacetate salt

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· 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