

1443100

Revision: 22.08.2013  
Printing date: 07.07.2016

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

- Product identifier
- Trade name:  
(D-His<sup>2</sup>)-LHRH trifluoroacetate salt
- Article number:  
new: 4035476      old: H-6782
- CAS Number:  
53634-19-8
- 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)

## \* 02 Hazards identification

- Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



GHS08

Repr. 2 - H361 Suspected of damaging fertility or the unborn child.

- Label elements
- Labelling according to Regulation (EC) No 1272/2008



GHS08

- Signal word  
Warning
- Hazard statements  
H361 Suspected of damaging fertility or the unborn child.
- 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.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.
- Other hazards
- Results of PBT and vPvB assessment
- PBT:

(Contd. on page 2)

1443100

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Printing date: 07.07.2016

**PRODUCT :** (D-His<sup>3</sup>)-LHRH trifluoroacetate salt

(Contd. of page 1)

- Not applicable.
- vPvB:  
Not applicable.

### 03 Composition/information on ingredients

- Chemical characterization: Substances

<b>CAS No.</b>	<b>Description</b>
53634-19-8	(D-His <sup>3</sup> )-LHRH trifluoroacetate salt

- Identification number(s)

- EC number:

-

- RTECS Number:

-

### 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.  
Seek immediate medical advice.
- After eye contact:  
Rinse opened eye for several minutes under running water. Then consult a doctor.
- 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:  
CO<sub>2</sub>, 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.
- Reference to other sections

GB

(Contd. on page 3)

1443100

Revision: 22.08.2013  
Printing date: 07.07.2016

**PRODUCT :** (D-His<sup>3</sup>)-LHRH trifluoroacetate salt

(Contd. of page 2)

## 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.
- 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.

## 08 Exposure controls/personal protection

- Control parameters
- Ingredients with limit values that require monitoring at the workplace:
 

<b>CAS No.</b>	<b>Designation of material</b>
Not required.	
- Additional information:
  - The lists valid during the making were used as basis.
- Exposure controls
- Personal protective equipment:
  - General protective and hygienic measures:
    - Keep away from foodstuffs, beverages and feed.
    - 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

## 09 Physical and chemical properties

### Information on basic physical and chemical properties

#### General Information

#### Appearance:

<b>Form:</b>	Powder
<b>Colour:</b>	White
<b>Odour:</b>	Nearly odourless

(Contd. on page 4)

1443100

 Revision: 22.08.2013  
 Printing date: 07.07.2016

**PRODUCT : (D-His<sup>3</sup>)-LHRH trifluoroacetate salt**

(Contd. of page 3)

<b>Odour threshold:</b>	Not determined.
<b>Change in condition</b>	
<b>Boiling point/Boiling range:</b>	Undetermined.
<b>Flash point:</b>	Not applicable.
<b>Flammability (solid, gaseous):</b>	Not applicable.
<b>Ignition temperature:</b>	
<b>Decomposition temperature:</b>	Not determined.
<b>Self-igniting:</b>	Not determined.
<b>Danger of explosion:</b>	Not determined.
<b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Vapour pressure:</b>	Not determined.
<b>Density:</b>	Not determined.
<b>Solubility in / Miscibility with water:</b>	at 25 °C 1,00 g/l
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
<b>Other information</b>	No 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 sensitizing effects known.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)  
Repr. Cat. 3

GB

(Contd. on page 5)

1443100

Revision: 22.08.2013  
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**PRODUCT : (D-His<sup>3</sup>)-LHRH trifluoroacetate salt**

(Contd. of page 4)

## 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.

## 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

- 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.

(Contd. on page 6)

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

1443100

Revision: 22.08.2013  
Printing date: 07.07.2016**PRODUCT : (D-His<sup>3</sup>)-LHRH trifluoroacetate salt***(Contd. of page 5)*

- 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
- 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