

1826600

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Revision: 12.05.2016 Printing date: 07.07.2016

| • | Product identifier |
|---|---|
| • | Trade name: IL-1β (163-171) (human) trifluoroacetate salt |
| • | Article number: new: 4030785 old: H-7010 |
| • | CAS Number: 106021-96-9 |
| | 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 |
| • | 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. |

• Chemical characterization: Substances

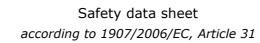
- CAS No.
 Description

 106021-96-9
 IL-1β (163-171) (human) trifluoroacetate salt

 • Identification number(s)
- EC number:
- RTECS Number:

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GB
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PRODUCT: IL-1β (163-171) (human) trifluoroacetate salt (Contd. of page 1) 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.

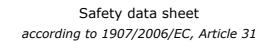
06 Accidental release measures

- 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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| | (Contd. of page 2 |
|--|---|
| 8 Exposure co | ntrols/personal protection |
| Control parame | ters |
| Ingredients with | limit values that require monitoring at the workplace: |
| CAS No. | Designation of material |
| Not required. | U U U U U U U U U U U U U U U U U U U |
| Additional inform | nation: |
| The lists valid dur | ing the making were used as basis. |
| Exposure contr | ols |
| Personal protect | tive equipment: |
| General protect | ive and hygienic measures: |
| The usual precau | tionary measures are to be adhered to when handling chemicals. |
| Respiratory pro | tection: |
| In case of brief ex respiratory protect | posure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained tive device. |
| Use suitable resp | iratory protective device in case of insufficient ventilation. |
| Protection of hat | 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 |
| Material of gloves | |
| • | he suitable gloves does not only depend on the material, but also on further marks of quality and varies from |
| manufacturer to r | |
| Penetration time | e of glove material |
| The exact break t | hrough time has to be found out by the manufacturer of the protective gloves and has to be observed. |
| Eye protection: | |

09 Physical and chemical properties

| Information on basic physical and chemical 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: | | | | | | | | |



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

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| PRODUCT : | IL-1β (163-171) (human) trifluoroacetate salt |
|-------------|---|
| | (Contd. of page 3) |
| Dynamic: | Not determined. |
| Kinematic: | Not determined. |
| Other infor | nation 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 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.



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

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Revision: 12.05.2016

| PRODUCT : IL-1β (163-171) (human) ti | ifluoroacetate salt | |
|--|---------------------------------|---------------------|
| | | (Control of more A) |
| 13 Disposal considerations | | (Contd. of page 4) |
| Waste treatment methods | | |
| Waste disposal key: | | |
| 18 02 06 | | |
| Uncleaned packaging: | | |
| Recommendation: | | |
| Disposal must be made according to official r | egulations. | |
| | | |
| 14 Transport information | | |
| • UN-Number | | |
| ADR | Void | |
| IMDG | Void | |
| ΙΑΤΑ | Void | |
| UN proper shipping name | N/- 1 | |
| ADR | Void | |
| IMDG | Void | |
| ΙΑΤΑ | Void | |
| Transport hazard class(es) ADR | | |
| Class | Void | |
| IMDG | | |
| Class | Void | |
| ΙΑΤΑ | | |
| Class | Void | |
| Packing group | | |
| ADR | Void | |
| IMDG | Void | |
| ΙΑΤΑ | Void | |
| Environmental hazards: | | |
| Not applicable. | | |
| Transport in bulk according to Annex II on Not applicable. | of MARPOL73/78 and the IBC Code | |
| Transport/Additional information: | | |

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

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|----------------------------------|--|-----------------|
| PRODUCT : | IL-1β (163-171) (human) trifluoroacetate salt | |
| | (Contd. | of page 5) |
| Abbreviation | ations and acronyms: | |
| | cord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the of Dangerous Goods by Road) | e International |
| 0 | lement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Co nal Transport of Dangerous Goods by Rail) | oncerning the |
| IMDG: Inter | ternational Maritime Code for Dangerous Goods | |
| IATA: Intern | ernational Air Transport Association | |
| IATA-DGR: | R: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) | |
| ICAO: Interr | ernational Civil Aviation Organisation | |
| ICAO-TI: Te | Technical Instructions by the "International Civil Aviation Organisation" (ICAO) | |
| EINECS: Eu | European Inventory of Existing Commercial Chemical Substances | |
| CAS: Chem | emical Abstracts Service (division of the American Chemical Society) | |
| RTECS: Re | Registry of Toxic Effects of Chemical Substances | |
| WGK: Wass | assergefährdungsklasse | |
| vPvB: very I | ry Persistent and very Bioaccumulative | |
| | | |