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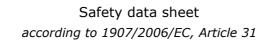
Revision: 04.10.2016 Printing date: 04.10.2016

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- $(\beta\text{-D-Asp}^{\text{28}})\text{-Exenatide trifluoroacetate salt}$ \bullet Identification number(s)
- EC number:
- RTECS Number:

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1921900

BACHEM

Revision: 04.10.2016 Printing date: 04.10.2016

(Contd. of page 1)

PRODUCT : (β-D-Asp²⁸)-Exenatide trifluoroacetate salt

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.

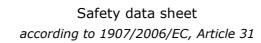
06 Accidental release measures

- 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.





1921900

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	(Contd. of page
8 Exposure con	trols/personal protection
Control parameter	ers
 Ingredients with I 	imit values that require monitoring at the workplace:
CAS No.	Designation of material
Not required.	
Additional inform	ation:
The lists valid durin	g the making were used as basis.
Exposure control	S
 Personal protection 	ve equipment:
 General protective 	re and hygienic measures:
-	onary measures are to be adhered to when handling chemicals.
 Respiratory prote 	
In case of brief exp respiratory protecti	osure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained ve device.
	atory protective device in case of insufficient ventilation.
Protection of han	
•	has to be impermeable and resistant to the product/ the substance/ the preparation.
•	is no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture ve material on consideration of the penetration times, rates of diffusion and the degradation
Protective gloves	
Material of gloves	
0	e suitable gloves does not only depend on the material, but also on further marks of quality and varies from
manufacturer to ma	
Penetration time	of glove material
The exact break th	rough 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

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 °C 1,00 g/l	
Viscosity:		



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

1921900

Revision: 04.10.2016 Printing date: 04.10.2016

PRODUCT : (β-D-Asp ²⁸)-Exe	natide trifluoroacetate salt	
		(Contd. of page 3)
Dynamic:	Not determined.	
Kinematic:	Not determined.	
Other information	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

19

	Printing date:
PRODUCT : (β-D-Asp ²⁸)-Exenatide	trifluoroacetate salt
	(Contd. of pag
13 Disposal considerations	
Waste treatment methodsWaste disposal key: 18 02 06	
 Uncleaned packaging: Recommendation: Disposal must be made according to officient 	cial regulations.
14 Transport information	
UN-Number	
ADR	Void
IMDG	Void
ΙΑΤΑ	Void
UN proper shipping name	
ADR	Void
IMDG	Void
	Void
 Transport hazard class(es) 	
Class	Void
IMDG	Void
Class	Void
IATA	
Class	Void
Packing group	
ADR	Void
IMDG	Void
ΙΑΤΑ	Void
 Environmental hazards: Not applicable. Transport in bulk according to Anne: Not applicable. 	x II of MARPOL73/78 and the IBC Code
 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

(Contd. on page 6)



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

1921900

Revision: 04.10.2016 Printing date: 04.10.2016

PRODUCT :	(β-D-Asp ²⁸)-Exenatide trifluoroacetate salt
	(Contd. of page 5)
 Abbreviation 	ins and acronyms:
ADR: Accord	d européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International
Carriage of I	Dangerous Goods by Road)
RID: Règlen	nent international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the
International	Transport of Dangerous Goods by Rail)
IMDG: Interr	national Maritime Code for Dangerous Goods
IATA: Interna	ational Air Transport Association
IATA-DGR:	Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: Intern	ational Civil Aviation Organisation
ICAO-TI: Te	chnical Instructions by the "International Civil Aviation Organisation" (ICAO)
EINECS: Eu	ropean Inventory of Existing Commercial Chemical Substances
CAS: Chemi	cal Abstracts Service (division of the American Chemical Society)
RTECS: Reg	gistry of Toxic Effects of Chemical Substances
WGK: Wass	ergefährdungsklasse
vPvB: very F	Persistent and very Bioaccumulative

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