

1740100

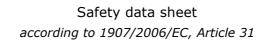
BACHEM

Revision: 16.11.2015 Printing date: 07.07.2016

•	Product identifier
•	Trade name:
	Antifreeze Polypeptide 6 (winter flounder) trifluoroacetate salt
•	Article number:
I	new: 4095546 old: H-7602
•	CAS Number:
	122604-16-4
•	Relevant identified uses of the substance or mixture and uses advised against
	Application of the substance / the preparation
I	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	lazards 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.

- Chemical characterization: Substances
- CAS No.
- **Description** Antifreeze Polypeptide 6 (winter flounder) trifluoroacetate salt 122604-16-4
- Identification number(s)
- EC number:
- RTECS Number:





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 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: 	
 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. 	
 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. 	
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Rinse opened eye for several minutes under running water.After swallowing: Call a doctor immediately.	
After swallowing: Call a doctor immediately.	
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 	

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.

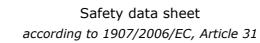
06 Accidental release measures

- 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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8 Exposure cont	rols/personal protection
Control parameter	rs
 Ingredients with I 	mit 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 protecti 	
•	e and hygienic measures:
	onary measures are to be adhered to when handling chemicals.
 Respiratory prote 	
	osure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained
respiratory protectiv	
	atory protective device in case of insufficient ventilation.
 Protection of han 	
The glove material	has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing test	s no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture
Selection of the glo	ve material on consideration of the penetration times, rates of diffusion and the degradation
Protective gloves	
 Material of gloves 	3
The selection of the manufacturer to ma	suitable gloves does not only depend on the material, but also on further marks of quality and varies from nufacturer.
Penetration time	of glove material
	rough time has to be found out by the manufacturer of the protective gloves and has to be observed.
 Eve protection: 	

09 Physical and chemical properties

Information on basic physical and chemical properties		
General Information		
Appearance:		
Form:	Lyophilisate	
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 :	Antifreeze Polypeptide 6 (winter flounder) trifluoroacetate salt	
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Dynamic:	Not determined.	
Kinematic:	Not determined.	
Other informa	ntion 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.



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PRODUCT : Antifreeze Polypeptide	6 (winter flounder) trifluoroacetate salt	
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13 Disposal considerations		
Waste treatment methods		
 Waste disposal key: 18 02 06 		
18 02 00		
 Uncleaned packaging: 		
Recommendation:		
Disposal must be made according to offic	al regulations.	
14 Transport information		
 UN-Number ADR 	Void	
ADR IMDG	Void	
IATA	Void	
UN proper shipping name	Void	
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 of MARPOI 73/78 and the IBC Code	
Not applicable.		
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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 Abbrevia 	ations and acronyms:
ADR: Acc	ord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internationa
Carriage	of Dangerous Goods by Road)
RID: Règ	lement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the
Internatio	nal Transport of Dangerous Goods by Rail)
IMDG: In	ernational Maritime Code for Dangerous Goods
IATA: Inte	ernational Air Transport Association
IATA-DG	R: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: Int	ernational Civil Aviation Organisation
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
EINECS:	European Inventory of Existing Commercial Chemical Substances
CAS: Che	emical Abstracts Service (division of the American Chemical Society)
RTECS: I	Registry of Toxic Effects of Chemical Substances
WGK: Wa	assergefährdungsklasse
vPvB: ve	y Persistent and very Bioaccumulative