

**BACHEM** 

Revision: 15.05.2017 Printing date: 15.05.2017

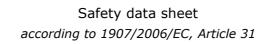
•	Product identifier
	Trade name: (Lys(Me)₃⁴)-Histone H3 (1-21)-Gly-Gly-Lys(biotinyl) amide trifluoroacetate salt
	Article number: new: 4097931 old: H-7788
	CAS Number: 2022956-71-2
• /	Relevant identified uses of the substance or mixture and uses advised against Application of the substance / the preparation 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 H	lazards identification
• (	Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 <sup>Void</sup> Label elements Labelling according to Regulation (EC) No 1272/2008
• :	Void Void Void
`	Hazard statements <sup>Void</sup> Other hazards
•   •	Results of PBT and vPvB assessment PBT: Not applicable.
	vPvB: Not applicable.
2 0	Composition/information on ingredients

- *CAS No.* 2022956-71-2
- CAS No.
   Description

   2022956-71-2
   (Lys(Me)s<sup>4</sup>)-Histone H3 (1-21)-Gly-Gly-Lys(biotinyl) amide trifluoroacetate salt

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





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04 First aid measures	(Contd. of page
Description of first aid measures	
After inhalation:	
Supply fresh air; consult doctor in case of complaints. <ul> <li>After skin contact:</li> </ul>	
Immediately wash with water and soap and rinse thoroughly.	
After eye contact:     Binge appendix for exverse minutes under running water	
Rinse opened eye for several minutes under running water.	
After swallowing:     Call a doctor immediately.	
Information for doctor:	
<ul> <li>Most important symptoms and effects, both acute and delayed No further relevant information available.</li> </ul>	
<ul> <li>Indication of any immediate medical attention and special treatment needed</li> </ul>	
No further relevant information available.	
05 Firefighting measures	
Extinguishing media	

- Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- Protective equipment:
- No special measures required.

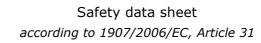
#### 06 Accidental release measures

- 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</li>
- Specific end use(s)
- No further relevant information available.





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08 Exposure controls/personal protection	(Contd. of page 2)
Control parameters	
<ul> <li>Ingredients with limit values that require monitoring at the workplace:</li> </ul>	
Additional information:	
The lists valid during the making were used as basis.	
Exposure controls	
Personal protective equipment:	
<ul> <li>General protective and hygienic measures:</li> </ul>	
The usual precautionary measures are to be adhered to when handling chemicals	S.
<ul> <li>Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of in</li> </ul>	tansiva or langer exposure use solf contained
respiratory protective device.	itensive of longer exposure use sen-contained
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 substa	
Due to missing tests no recommendation to the glove material can be given for the Selection of the glove material on consideration of the penetration times, rates of c	
Protective gloves	
Material of gloves	
The selection of the suitable gloves does not only depend on the material, but also manufacturer to manufacturer.	o on further marks of quality and varies from
<ul> <li>Penetration time of glove material</li> </ul>	
The exact break through time has to be found out by the manufacturer of the prote	ective gloves and has to be observed.
Eye protection:	
Safety glasses	
09 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 °C 1,00 g/l
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.



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

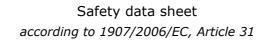
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PRODUCT : (Lys(Me) <sub>3</sub> 4)-Histon	e H3 (1-21)-Gly-Gly-Lys(biotinyl) amide trifluoroacetate	salt
		(Contd. of page
Other information	No further relevant information available.	
10 Stability and reactivity		
Reactivity		
<ul><li>Chemical stability</li><li>Thermal decomposition / condition</li></ul>	ons to be avoided:	
No decomposition if used according		
Possibility of hazardous reaction	•	
No dangerous reactions known.		
<ul> <li>Conditions to avoid</li> </ul>		
No further relevant information avail	able.	
Incompatible materials:		
No further relevant information avail		
<ul> <li>Hazardous decomposition produ No dangerous decomposition produ</li> </ul>		
11 Toxicological information		
Information on toxicological effe	ete	
Acute toxicity:	515	
No further relevant information avail	able.	
Primary irritant effect:		
on the skin:		
No further relevant information avail	able.	
on the eye:		
No further relevant information avail	able.	
<ul> <li>Sensitization: No sensitising effects known.</li> </ul>		
Additional toxicological informat	ion.	
-	sification according to the latest version of the EU lists.	
12 Ecological information		
Toxicity		
Aquatic toxicity:		
<ul> <li>No further relevant information avail</li> <li>Persistence and degradability</li> </ul>	able.	
<ul> <li>Persistence and degradability No further relevant information avail</li> </ul>	able.	
<ul> <li>Behaviour in environmental sys</li> </ul>		
Bioaccumulative potential		
No further relevant information avail	able.	
Mobility in soil		
No further relevant information avail		
<ul> <li>Additional ecological information</li> </ul>	1:	
<ul> <li>General notes:</li> </ul>		
Not known to be hazardous to wate	omont	
Not known to be hazardous to wate • Results of PBT and vPvB asses	SILEIL	
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PRODUCT : (Lys(Me)₅ <sup>4</sup> )-Histone H3 (1	-21)-Gly-Gly-Lys(biotinyl) amide trifluoroacetate salt
	(Contd. of page 4)
13 Disposal considerations	
Waste treatment methods	
Uncleaned packaging:	
Recommendation:	
Disposal must be made according to official	regulations.
14 Transport information	
UN-Number	
ADR	Void
IMDG	Void
ΙΑΤΑ	Void
UN proper shipping name	
ADR	Void
IMDG	Void
ΙΑΤΑ	Void
<ul> <li>Transport hazard class(es)</li> </ul>	
ADR	
Class	Void
IMDG	
Class	Void
ΙΑΤΑ	
Class	Void
Packing group	
ADR	Void
IMDG	Void
ΙΑΤΑ	Void
Environmental hazards:	
Not applicable.	of MARRAI 73/78 and the IRC Code
<ul> <li>Transport in bulk according to Annex II Not applicable.</li> </ul>	
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.
- Chemical safety assessment:
- A Chemical Safety Assessment has not been carried out.

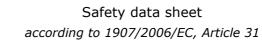
# 16 Other information

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:

(Contd. on page 6)





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	(Contd. of page 5)
	ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internationa
	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
•	* Data compared to the previous version altered.