

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

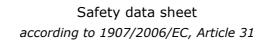
2058700

Revision: 23.03.2017 Printing date: 23.03.2017

• P	Product identifier	
	rade name:	
Н	I-Lys(4-nitro-Z)-pyrrolidide · HCI	
	vrticle number:	
n	ew: 4029238 old: N-1710	
	CAS Number:	
1:	36259-18-2	
	Relevant identified uses of the substance or mixture and uses advised against	
	Application of the substance / the preparation aboratory chemicals	
• D	Details of the supplier of the safety data sheet	
	/anufacturer/Supplier:	
	achem AG Iauptstrasse 144	
	H-4416 Bubendorf	
	witzerland	
	-mail msds@bachem.com	
	el +41 58 595 2021 ax +41 58 595 2040	
• F	urther information obtainable from:	
D	epartment: Marketing	
	mergency telephone number:	
+-	41 44 251 51 51 (Tox Info Suisse)	
На	azards identification	
	Classification of the substance or mixture	
	Classification according to Regulation (EC) No 1272/2008	
	/oid	
	abel elements	
	abelling according to Regulation (EC) No 1272/2008 /oid	
	Signal word	
V	oid	
	lazard statements	
	′oid)ther hazards	
	Results of PBT and vPvB assessment	
	BT:	
Ν	lot applicable.	
	PvB:	
N	lot applicable.	

- CAS No.
- *Description* H-Lys(4-nitro-Z)-pyrrolidide · HCI 136259-18-2
- Identification number(s)
- EC number:
- RTECS Number:
- GB





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PRODUCT : H-Lys(4-nitro-Z)-pyrrolidide · HCl

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

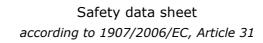
- · Extinguishing media
- Suitable extinguishing agents:
- CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. • Special hazards arising from the substance or mixture
- No further relevant information available.
- · Advice for firefighters
- Protective equipment:
- 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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08 Exposure controls/personal protection	
Control parameters	
 Ingredients with limit values that require monitoring at the workplace: 	
Additional information:	
The lists valid during the making were used as basis.	
Exposure controls	
Personal protective equipment:	
 General protective and hygienic measures: 	
The usual precautionary measures are to be adhered to when handling chemicals.	
 Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or respiratory protective device. 	or longer exposure use self-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 substance/ the	preparation.
Due to missing tests no recommendation to the glove material can be given for the product Selection of the glove material on consideration of the penetration times, rates of diffusion a Protective gloves	• •
 Material of gloves The selection of the suitable gloves does not only depend on the material, but also on furth manufacturer to manufacturer. 	er marks of quality and varies from
Penetration time of glove material	
The exact break through time has to be found out by the manufacturer of the protective glo	oves and has to be observed.
 Eye protection: 	
Safety glasses	

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		
Melting point/Melting range:	164 °C	
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:	Not determined.	
Viscosity:		
Dynamic:	Not determined.	





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PRODUCT: H-Lys(4-nitro-Z)-pyrrolidide · HCI

Kinematic: Other information Not determined.

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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RODUCT : H-Lys(4-nitro-Z)-pyrro	lidide · HCl	
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3 Disposal considerations		
Waste treatment methods		
 Waste disposal key: 		
18 02 06		
 Uncleaned packaging: 		
Recommendation:		
Disposal must be made according to of	icial regulations.	
4 Transport information		
UN-Number		
ADR	Void	
IMDG	Void	
ΙΑΤΑ	Void	
 UN proper shipping name 		
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 Anne Not applicable. 	ex 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.
- 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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PRC	DUCT :	H-Lys(4-nitro-Z)-pyrrolidide · HCl
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•	Abbreviat	ions and acronyms:
	ADR: Acco	ord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International
	Carriage of	f Dangerous Goods by Road)
	RID: Règle	ment international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the
	Internation	al Transport of Dangerous Goods by Rail)
	IMDG: Inte	rnational Maritime Code for Dangerous Goods
	IATA: Inter	national Air Transport Association
	IATA-DGR	: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
	ICAO: Inter	rnational Civil Aviation Organisation
	ICAO-TI: T	echnical Instructions by the "International Civil Aviation Organisation" (ICAO)
	EINECS: E	uropean Inventory of Existing Commercial Chemical Substances
	CAS: Cher	nical Abstracts Service (division of the American Chemical Society)
	RTECS: R	egistry of Toxic Effects of Chemical Substances
	WGK: Was	ssergefährdungsklasse
	* Data co	mpared to the previous version altered.