

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

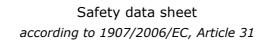
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•	Product identifier	
•	Trade name:	
	H-Ile-Ile-OH acetate salt	
•	Article number:	
	new: 4004984 old: H-3820	
	CAS Number:	
	114148-95-7	
	Relevant identified uses of the substance or mixture and uses advised against	
	Application of the substance / 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 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.	

- CAS No.
- *Description* H-IIe-IIe-OH acetate salt 114148-95-7
- Identification number(s)
- EC number:
- RTECS Number:
- GB





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PRODUCT : H-lle-lle-OH acetate 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.

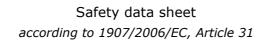
06 Accidental release measures

- 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.





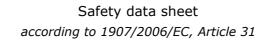
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08 Exposure controls/personal protection	
Control parameters	
Ingredients with limit values that require monitoring at the workplace:	
Additional information:	
The lists valid during the making were used as basis.	
Exposure controls	
Personal protective 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	e or longer exposure use self-contained
respiratory protective device. 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/ th	e preparation
Due to missing tests no recommendation to the glove material can be given for the produ	• •
Selection of the glove material on consideration of the penetration times, rates of diffusion	
Protective gloves	-
Material of gloves	
The selection of the suitable gloves does not only depend on the material, but also on fur	ther marks of quality and varies from
manufacturer to manufacturer.	
 Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective g 	aloves and has to be observed
 Eve protection: 	ploves and has to be observed.
Safety glasses	
9 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:	Not determined.	
Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	





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PRODUCT : H-lle-lle-OH acetate salt (Contd. of page 3) 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.

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PRODUCT : H-lle-lle-OH acetate salt (Contd. of page 4) 13 Disposal considerations · Waste treatment methods · Waste disposal key: 18 02 06 · 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 Transport hazard class(es) ADR Void Class IMDG Class Void ΙΑΤΑ Void Class · Packing group Void ADR IMDG Void ΙΑΤΑ Void · Environmental hazards: Not applicable. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. · Transport/Additional information: Not applicable.

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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.

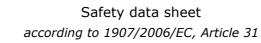
16 Other information

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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Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internation
Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning th
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.