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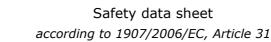
**BACHEM** 

Revision: 08.02.2012 Printing date: 07.07.2016

•	Product identifier
•	Trade name: Fmoc-D-1,2,3,4-tetrahydroisoquinoline-3-carboxylic acid
•	Article number:           new: 4015638         old: B-1925
•	CAS Number: 130309-33-0
•	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.

- 130309-33-0 Fmoc-D-1,2,3,4-tetrahydroisoquinoline-3-carboxylic acid
- Identification number(s)
- EC number:
- RTECS Number:
- GB





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04 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:	
<ul> <li>Most important symptoms and effects, both acute and delayed</li> </ul>	
No further relevant information available.	
<ul> <li>Indication of any immediate medical attention and special treatment needed</li> </ul>	
No further relevant information available.	

### 05 Firefighting measures

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:

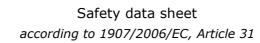
- No special measures required.
- Methods and material for containment and cleaning up: Pick up mechanically.

# 07 Handling and storage

- · Handling:
- Precautions for safe handling Prevent formation of dust.
- Information about fire and explosion protection: No special measures required.
- 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:
- +5 +/- 3 °C
- Specific end use(s)
- No further relevant information available.

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**BACHEM** 

<ul> <li>8 Exposure controls/personal protection</li> <li>Ingredients with limit values that require monitoring at the workplace:</li> <li>CAS No. Designation of material Not required.</li> <li>Additional information: The lists valid during the making were used as basis.</li> <li>Personal protective equipment:</li> <li>General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.</li> <li>Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposer respiratory protective device. Use suitable respiratory protective device in case of insufficient ventilation.</li> <li>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/ the preparat Selection of the glove material on consideration of the penetration times, rates of diffusion and the degrad Protective gloves</li> </ul>	
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<ul> <li>Material of gloves</li> <li>The selection of the suitable gloves does not only depend on the material, but also on further marks of que manufacturer to manufacturer.</li> </ul>	on/ the chemical mixture ation

General Information		
Appearance:		
Form:	Powder	
Colour:	White	
Odour:	Nearly odourless	
Odour threshold:	Not determined.	
Molecular Weight	399,4500 g/mol	
Change in condition		
Melting point/Melting range:	165 °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.	ļ
Kinematic:	Not determined.	





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

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Revision: 08.02.2012 Printing date: 07.07.2016

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# PRODUCT : Fmoc-D-1,2,3,4-tetrahydroisoquinoline-3-carboxylic acid

#### 10 Stability and reactivity

- 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

- 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 sensitizing effects known.
- Additional toxicological information:
- The substance is not subject to classification according to the latest version of the EU lists.

## 12 Ecological information

- Acquatic 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.

## 13 Disposal considerations

- · Waste treatment methods
- Waste disposal key: 18 02 06
- Uncleaned packaging:
- Recommendation:
  - Disposal must be made according to official regulations.





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

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		Printing date: 07.07
PRODUCT :	Fmoc-D-1,2,3,4-tetrahydroisoquinoline-3-carboxylic acid	
		(Contd. of page 4)
14 Transpor	t information	
ADR/RID cla	ass: -	
IMDG Class		
ICAO/IATA	Class: -	
	ental hazards:	
Not applical		
<ul> <li>Transport</li> <li>Not applical</li> </ul>	in bulk according to Annex II of MARPOL73/78 and the IBC Code ble.	
15 Regulato	ry information	
National re	egulations:	
<ul> <li>Waterhaza</li> </ul>	ard class:	
	ot hazardous for water.Self-assessment	
	safety assessment:	
A Chemical	Safety Assessment has not been carried out.	
16 Other inf	ormation	
	on is based on our present knowledge. However, this shall not constitute a g establish a legally valid contractual relationship.	uarantee for any specific product features
Department	nt issuing MSDS:	
Department	-	
	ons and acronyms: rd européen sur le transport des marchandises dangereuses par Route (Eu	ropean Agreement concerning the International
	Dangerous Goods by Road)	
-	ment international concernant le transport des marchandises dangereuses p	par chemin de fer (Regulations Concerning the
	al Transport of Dangerous Goods by Rail) mational Maritime Code for Dangerous Goods	
	national Air Transport Association	
	national Civil Aviation Organisation	
	uropean Inventory of Existing Commercial Chemical Substances nical Abstracts Service (division of the American Chemical Society)	
	egistry of Toxic Effects of Chemical Substances	
WGK: Wass	sergefährdungsklasse	
	Persistent and very Bioaccumulative	
<ul> <li>* Data con</li> </ul>	npared to the previous version altered.	