

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

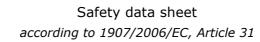
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Revision: 22.06.2015 Printing date: 07.07.2016

 Product identifi 	er
Trade name:	
Fmoc-D-Asn-OH	
 Article number: new: 4009730 	old: B-1050
• CAS Number: 108321-39-7	
 Relevant identi 	fied uses of the substance or mixture and uses advised against
 Application of the Laboratory chem 	he substance / the preparation _{licals}
• Details of the s	upplier of the safety data sheet
Manufacturer/S	Supplier:
Bachem AG Hauptstrasse 14	4
CH-4416 Bubenc	
Switzerland E-mail msds@ba	achem com
Tel +41 58 595 2	
Fax +41 58 595 2	2040
 Further informa Department: Mar 	ation obtainable from: keting
• Emergency tele +41 44 251 51 51	ephone number: 1 (Tox Info Suisse)
Hazards ider	
	of the substance or mixture According to Regulation (EC) No 1272/2008
Void	
Label elements	
 Labelling accor Void 	rding to Regulation (EC) No 1272/2008
 Signal word 	
Void • Hazard statem	ente
Void	
• Other hazards	
	and vPvB assessment
 PBT: Not applicable. 	
 vPvB: 	
Not applicable.	

- Chemical characterization: Substances
- *Description* Fmoc-D-Asn-OH CAS No.
- 108321-39-7
- Identification number(s)
- EC number:
- RTECS Number:
- GB





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PRODUCT : Fmoc-D-Asn-OH

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

05 Firefighting measures

- · Extinguishing media
- · Suitable extinguishing agents:

No further relevant information available.

- 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.

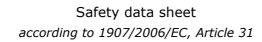
06 Accidental release measures

- 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:
- Specific end use(s)
- No further relevant information available.





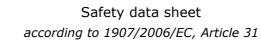
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PRODUCT : Fmoc-D-Asn-OH		
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08 Exposure controls/personal protection		
Control parameters		
 Ingredients with limit values that require monitoring at the workplace: 		
CAS No. Designation of material		
Not required.		
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 longer e	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/ the preparati	on	
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation		
Selection of the glove material on consideration of the penetration times, rates of diffusion and the de		
Protective gloves	-	
Material of gloves		
The selection of the suitable gloves does not only depend on the material, but also on further marks manufacturer to manufacturer.	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 gloves and I	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:	194 °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.	

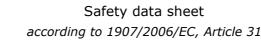




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Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Other information	No further relevant information available.
10 Stability and reactivit	ty .
Reactivity	
Chemical stability	
Thermal decomposition / co	
No decomposition if used acco	
Possibility of hazardous rea	
No dangerous reactions knownConditions to avoid	n.
 Conditions to avoid No further relevant information 	n available.
 Incompatible materials: 	
No further relevant information	n available.
 Hazardous decomposition 	products:
No dangerous decomposition	products known.
11 Toxicological information	
Information on toxicologica	Il effects
 Acute toxicity: No further relevant information 	a available
Primary irritant effect:	
 on the skin: 	
No further relevant information	ו available.
 on the eye: 	
No further relevant information	n available.
Sensitization:	
No sensitising effects known.Additional toxicological info	armation:
-	to classification according to the latest version of the EU lists.
12 Ecological information	n
Toxicity Aquatia taxiaitu:	
 Aquatic toxicity: No further relevant information 	n available
Persistence and degradabi	
No further relevant information	,
Behaviour in environmenta	
 Bioaccumulative potential 	
No further relevant information	n available.
Mobility in soil	
No further relevant informationAdditional ecological inform	
General notes:	iauon.
) water.
Not known to be hazardous to	
Not known to be hazardous to • Results of PBT and vPvB a	
 Results of PBT and vPvB a PBT: Not applicable. 	
 Results of PBT and vPvB a PBT: Not applicable. vPvB: 	
 Results of PBT and vPvB a PBT: Not applicable. 	



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Printing date: 07.07.2016 **PRODUCT** : Fmoc-D-Asn-OH (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.

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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Abbreviations and acronyms:
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
vPvB: very Persistent and very Bioaccumulative