

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

582300

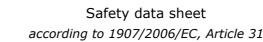
Revision: 27.10.2011 Printing date: 07.07.2016

•	Product identifier	
•	Trade name: Fmoc-D-Ser-OH	
	F110C-D-3el-Off	
•	Article number:	
	new: 4017067 old: B-1980	
	CAS Number:	
	116861-26-8	
•	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.	
_		
3 (Composition/information on ingredients	

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

GB





582300

BACHEM

Revision: 27.10.2011 Printing date: 07.07.2016

PRODUCT : Fmoc-D-Ser-OH

O4 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

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:

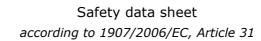
- No special measures required.
- Methods and material for containment and cleaning up: Pick up mechanically.

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

(Contd. on page 3)





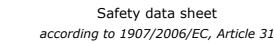
582300

BACHEM

Revision: 27.10.2011 Printing date: 07.07.2016

PRODUCT : Fmo	c-D-Ser-OH
	(Contd. of page 2
08 Exposure con	trols/personal protection
 Ingredients with 	imit values that require monitoring at the workplace:
CAS No. Not required.	Designation of material
 Personal protect General protect The usual precaut Respiratory protect In case of brief exp respiratory protect Use suitable respire Protection of hard The glove material Due to missing tess Selection of the glove Protective gloves Material of glove The selection of the manufacturer to m Penetration time 	ig the making were used as basis. ve equipment: ve and hygienic measures: onary measures are to be adhered to when handling chemicals. action: osure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained ve device. atory protective device in case of insufficient ventilation. ds: has to be impermeable and resistant to the product/ the substance/ the preparation. Its no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture ve material on consideration of the penetration times, rates of diffusion and the degradation S e suitable gloves does not only depend on the material, but also on further marks of quality and varies from anufacturer.

General Information		
Appearance:		
Form:	Powder	
Colour:	White	
Odour:	Nearly odourless	
Odour threshold:	Not determined.	
Molecular Weight	327,3400 g/mol	
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.	
Other information	No further relevant information available.	



582300

BACHEM

Revision: 27.10.2011 Printing date: 07.07.2016

(Contd. of page 3)

PRODUCT : Fmoc-D-Ser-OH

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
- 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

582300

Revision: 27.10.2011 Printing date: 07.07.2016

PRODUCT : Fmoc-D-Ser-OH (Contd. of page 4) 14 Transport information ADR/RID class: IMDG Class: ICAO/IATA Class: · Environmental hazards: Not applicable. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. 15 Regulatory information · 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 Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International 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 ICAO: International Civil Aviation Organisation 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 · * Data compared to the previous version altered.