

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

1684300

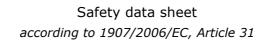
Revision: 17.06.2015 Printing date: 07.07.2016

•	Product identifier	
•	Trade name:	
	Fmoc-N-Me-Leu-OH	
•	Article number:	
	new: 4017630 old: B-2035	
•	CAS Number: 103478-62-2	
•	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.	

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

GB -





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Revision: 17.06.2015 Printing date: 07.07.2016

(Contd. of page 1)

PRODUCT : Fmoc-N-Me-Leu-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 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.

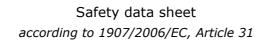
06 Accidental release measures

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





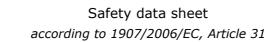
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	(Contd. of pa	ge 2)
08 Expos	re controls/personal protection	
Contro	parameters	
 Ingred 	ents with limit values that require monitoring at the workplace:	
CASN	Designation of material	
Not rec	•	
Additio	nal information:	
The list	valid during the making were used as basis.	
• Expos	re controls	
 Perso 	al protective equipment:	
 Gener 	I protective and hygienic measures:	
The us	al precautionary measures are to be adhered to when handling chemicals.	
 Respire 	tory protection:	
	of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained	d
•	bry protective device.	
	able respiratory protective device in case of insufficient ventilation.	
	ion of hands:	
•	e material has to be impermeable and resistant to the product/ the substance/ the preparation.	
	nissing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixt n of the glove material on consideration of the penetration times, rates of diffusion and the degradation	ure.
	re gloves	
	l of gloves	
	ction of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from	
	turer to manufacturer.	
	ation time of glove material	
	ct break through time has to be found out by the manufacturer of the protective gloves and has to be observed.	
	otection:	
	lasses	

09 Physical and chemical properties

Information on basic physical and che General Information		
Appearance:	Develop	
Form:	Powder	
Colour:	White	
Odour:	Nearly odourless	
Odour threshold:	Not determined.	
pH-value:	Not determined.	
Change in condition		
Melting point/Melting range:	116 °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.	

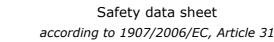




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Revision: 17.06.2015 Printing date: 07.07.2016

RODUCT : Fmoc-N-Me-Leu-OH	
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Viscosity:	(Contd. of page
Dynamic:	Not determined.
Kinematic:	Not determined.
Other information	No further relevant information available.
10 Stability and reactivity	
Reactivity	
Chemical stability	
Thermal decomposition / conditio	ns to be avoided:
No decomposition if used according to	o specifications.
 Possibility of hazardous reactions 	3
No dangerous reactions known.	
Conditions to avoid	
No further relevant information availab	DIE.
 Incompatible materials: 	hle
 No further relevant information available Hazardous decomposition production 	
No dangerous decomposition product	
11 Toxicological information	
	he de la constante de la const
 Information on toxicological effect Acute toxicity: 	.5
No further relevant information availab	nle
Primary irritant effect:	
• on the skin:	
No further relevant information available	ble.
on the eye:	
No further relevant information available	ole.
Sensitization:	
No sensitizing effects known.	
Additional toxicological informatio The substance is not subject to clean	
The substance is not subject to classi	ification according to the latest version of the EU lists.
12 Ecological information	
Toxicity	
-	
 Aquatic toxicity: 	ole.
No further relevant information available	
No further relevant information availablePersistence and degradability	
 No further relevant information available Persistence and degradability No further relevant information available 	ble.
 No further relevant information available Persistence and degradability No further relevant information available Behaviour in environmental system 	ble.
 No further relevant information availat Persistence and degradability No further relevant information availat Behaviour in environmental syste Bioaccumulative potential 	ble. ems:
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 No further relevant information availat Persistence and degradability No further relevant information availat Behaviour in environmental syste Bioaccumulative potential No further relevant information availat Mobility in soil 	ble. ems: ble.
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 No further relevant information availat Persistence and degradability No further relevant information availat Behaviour in environmental syste Bioaccumulative potential No further relevant information availat Mobility in soil No further relevant information availat 	ble. ems: ble.
 No further relevant information availat Persistence and degradability No further relevant information availat Behaviour in environmental syste Bioaccumulative potential No further relevant information availat Mobility in soil No further relevant information availat Additional ecological information: General notes: 	ble. ble. ble.
 No further relevant information availat Persistence and degradability No further relevant information availat Behaviour in environmental syste Bioaccumulative potential No further relevant information availat Mobility in soil No further relevant information availat Additional ecological information: General notes: Not known to be hazardous to water. 	ble. ble. ble.
 No further relevant information availat Persistence and degradability No further relevant information availat Behaviour in environmental syste Bioaccumulative potential No further relevant information availat Mobility in soil No further relevant information availat Additional ecological information: General notes: Not known to be hazardous to water. Results of PBT and vPvB assess 	ble. ble. ble.
 No further relevant information availat Persistence and degradability No further relevant information availat Behaviour in environmental syste Bioaccumulative potential No further relevant information availat Mobility in soil No further relevant information availat Additional ecological information: General notes: Not known to be hazardous to water. Results of PBT and vPvB assess PBT: 	ble. ble. ble.
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Revision: 17.06.2015 Printing date: 07.07.2016

PRODUCT : Fmoc-N-Me-Leu-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.

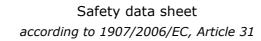
16 Other information

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

(Contd. on page 6)





1684300

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Revision: 17.06.2015 Printing date: 07.07.2016

(Contd. of pa	age 5)
Abbreviations and acronyms:	
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Inte	ernationa
Carriage of Dangerous Goods by Road)	
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concer	rning 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	