

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

399400

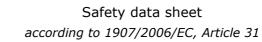
Revision: 08.08.2011 Printing date: 07.07.2016

• F	Product identifier
• 1	Trade name:
F	Fmoc-D-Tyr(tBu)-OH
	Article number:
n	new: 4006924 old: B-1260
	CAS Number:
1	118488-18-9
	Relevant identified uses of the substance or mixture and uses advised against
	Application of the substance / the preparation _aboratory chemicals
• [Details of the supplier of the sofety data sheet
- L	Details of the supplier of the safety data sheet
	Manufacturer/Supplier: Bachem AG
	Hauptstrasse 144
	CH-4416 Bubendorf
	Switzerland E-mail msds@bachem.com
	Fel +41 58 595 2021
F	Fax +41 58 595 2040
• F	Further information obtainable from:
C	Department: Marketing
	Emergency telephone number:
+	+41 44 251 51 51 (Tox Info Suisse)
ъц	azards identification
	Classification of the substance or mixture
	Classification of the substance of mixture Classification according to Regulation (EC) No 1272/2008
	/oid
۰L	Label elements
	Labelling according to Regulation (EC) No 1272/2008
	/oid Signal word
	/oid
	Hazard statements
	Other hazards Results of PBT and vPvB assessment
	PBT:
	Not applicable.
	/PvB:
Ν	Not applicable.
	omposition/information on ingredients

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

GB ·





399400

BACHEM

Revision: 08.08.2011 Printing date: 07.07.2016

PRODUCT : Fmoc-D-Tyr(tBu)-OH (Contd. of page 1) 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: · 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:

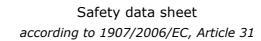
- No special measures required.
- Methods and material for containment and cleaning up: Pick up mechanically.

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)





399400

BACHEM

Revision: 08.08.2011 Printing date: 07.07.2016

		(Contd. of page
8 Exposure cor	trols/personal protection	(conta. or page
 Ingredients with 	limit values that require monitoring at the v	workplace:
CAS No. Not required.	Designation of material	
 Personal protect General protect The usual precau Respiratory pro In case of brief ex respiratory protect Use suitable resp Protection of hat The glove materia Due to missing te Selection of the g Protective gloves Material of glove The selection of the manufacturer to m Penetration time 	ive equipment: ve and hygienic measures: onary measures are to be adhered to when har ection: boosure or low pollution use respiratory filter devi- ve device. atory protective device in case of insufficient ve- nds: has to be impermeable and resistant to the pro- ts no recommendation to the glove material car ove material on consideration of the penetration s e suitable gloves does not only depend on the r anufacturer. of glove material	vice. In case of intensive or longer exposure use self-contained entilation. oduct/ the substance/ the preparation. n be given for the product/ the preparation/ the chemical mixture

General Information	
Appearance:	
Form:	Powder
Colour:	White
Odour:	Nearly odourless
Odour threshold:	Not determined.
Molecular Weight	459,5400 g/mol
Change in condition	
Melting point/Melting range:	152 °C
Boiling point/Boiling range:	Undetermined.
Flash point:	Not applicable.
Flammability (solid, gaseous):	Not applicable.
gnition 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.
	Not determined.



399400

Revision: 08.08.2011 Printing date: 07.07.2016

(Contd. of page 3)

PRODUCT : Fmoc-D-Tyr(tBu)-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
- 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

399400

Revision: 08.08.2011 Printing date: 07.07.2016

PRODUCT : Fmoc-D-Tyr(tBu)-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.