

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

397300

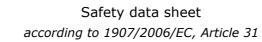
Revision: 08.08.2011 Printing date: 07.07.2016

• P	Product identifier
	rade name:
F	moc-D-Asp(OtBu)-OH
	rticle number:
ne	ew: 4006402 old: B-1070
	CAS Number:
1	12883-39-3
	Relevant identified uses of the substance or mixture and uses advised against
	pplication of the substance / the preparation aboratory chemicals
• D	Details of the supplier of the safety data sheet
	lanufacturer/Supplier:
	achem AG lauptstrasse 144
	H-4416 Bubendorf
	witzerland
	-mail msds@bachem.com
	el +41 58 595 2021 ax +41 58 595 2040
	urther information obtainable from:
D	epartment: Marketing
	mergency telephone number:
+4	41 44 251 51 51 (Tox Info Suisse)
2 Ha	azards identification
	Classification of the substance or mixture
• C	Classification according to Regulation (EC) No 1272/2008
	loid
	abel elements
	abelling according to Regulation (EC) No 1272/2008 oid
	lignal word
V	oid
	lazard statements
	oid)ther hazards
	Results of PBT and vPvB assessment
• P	
	lot applicable.
	PvB:
N	lot applicable.
	omposition/information on ingredients

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

GB ·





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PRODUCT : Fmoc-D-Asp(OtBu)-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:

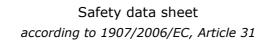
- No special measures required.
- Methods and material for containment and cleaning up: Pick up mechanically.

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:
- +5 +/- 3 °C
- Specific end use(s)
- No further relevant information available.

(Contd. on page 3)





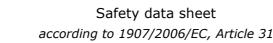
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RODUCT : Fmoo	-D-Asp(OtBu)-OH
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8 Exposure cont	rols/personal protection
 Ingredients with I 	mit values that require monitoring at the workplace:
CAS No. Not required.	Designation of material
 Personal protecti General protectiv The usual precautic Respiratory protecting In case of brief exposition of brief exposition of brief exposition of brief exposition of the glove material Due to missing test Selection of the glove Material of gloves 	 with making were used as basis. //e equipment: e and hygienic measures: nary measures are to be adhered to when handling chemicals. ction: usure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained e device. tory protective device in case of insufficient ventilation. ds: nas to be impermeable and resistant to the product/ the substance/ the preparation. as no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. waterial on consideration of the penetration times, rates of diffusion and the degradation
	of glove material ough time has to be found out by the manufacturer of the protective gloves and has to be observed.
 Eye protection: Safety glasses 	

General Information		
Appearance:		
Form:	Powder	
Colour:	White	
Odour:	Nearly odourless	
Odour threshold:	Not determined.	
Molecular Weight	411,4600 g/mol	
Change in condition		
Melting point/Melting range:	149 °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.	
Kinematic:	Not determined.	



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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



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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
Martin and an and an an
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 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.