

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

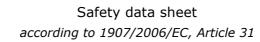
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Revision: 02.12.2013 Printing date: 07.07.2016

•	Product identifier
•	Trade name:
	Boc-Val-Arg-AMC · HCl
•	
	new: 4017069 old: A-4340
•	CAS Number: 113865-96-6
•	
•	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)
) -	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.
	······
2	Composition/information on ingredients
	composition/information on ingredients

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





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PRODUCT : Boc-Val-Arg-AMC · HCI (Contd. of page 1) 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

- Special nazards arising from the substance No further relevant information available.
- · Advice for firefighters
- Protective equipment:
- No special measures required.

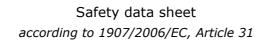
06 Accidental release measures

- 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: -20 +/- 5 °C
- Specific end use(s)
- No further relevant information available.





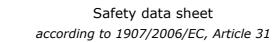
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08 Exposure controls/personal pr	rotection
Control parameters	
Ingredients with limit values that requir	re monitoring at the workplace:
CAS No. Designation of m	naterial
Not required.	
Additional information:	
The lists valid during the making were used	l as basis.
Exposure controls	
 Personal protective equipment: 	
 General protective and hygienic measurements 	ures:
The usual precautionary measures are to b	e adhered to when handling chemicals.
 Respiratory protection: 	
	se respiratory filter device. In case of intensive or longer exposure use self-contained
respiratory protective device. Use suitable respiratory protective device ir	n case of insufficient ventilation
 Protection of hands: 	
	and resistant to the product/ the substance/ the preparation.
•	the glove material can be given for the product/ the preparation/ the chemical mixture.
	ation of the penetration times, rates of diffusion and the degradation
Protective gloves	
 Material of gloves 	
	ot only depend on the material, but also on further marks of quality and varies from
manufacturer to manufacturer.	
Penetration time of glove material	
-	ind out by the manufacturer of the protective gloves and has to be observed.
Eye protection:	

09 Physical and chemical properties

Information on basic physical and che	emical properties	
General Information		
Appearance:		
Form:	Powder	
Colour:	White	
Odour:	Nearly odourless	
Odour threshold:	Not determined.	
pH-value:	Not determined.	
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:		





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RODUCT : Boc-Val-Arg-AMC	·HCI
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Dynamic:	Not determined.
Kinematic:	Not determined.
Other information	No further relevant information available.
.0 Stability and reactivity	
ReactivityChemical stability	
Thermal decomposition / condition	ions to be avoided:
No decomposition if used according	
 Possibility of hazardous reaction 	-
No dangerous reactions known.	
Conditions to avoid	
No further relevant information avail	able.
Incompatible materials:	
No further relevant information avail	able.
Hazardous decomposition produce	ucts:
No dangerous decomposition produ	cts known.
1 Toxicological information	
 Information on toxicological effe Acute toxicity: 	
No further relevant information avail	able
 Primary irritant effect: 	
• on the skin:	
No further relevant information avail	able.
on the eye:	
No further relevant information avail	able.
Sensitization:	
No sensitizing effects known.	
 Additional toxicological informat 	
The substance is not subject to clas	sification according to the latest version of the EU lists.
.2 Ecological information	
Toxicity	
Aquatic toxicity:	
No further relevant information avail	able.
 Persistence and degradability 	
No further relevant information avail	
Behaviour in environmental sys	tems:
Bioaccumulative potential	
No further relevant information avail	adle.
 Mobility in soil No further relevant information avail 	abla
Additional ecological information avail	
 General notes: 	I.
Not known to be hazardous to wate	r
 Results of PBT and vPvB asses 	
PBT:	

- PBT:
- Not applicable.
- vPvB:
- Not applicable.
- Other adverse effects
- No further relevant information available.



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PRODUCT : Boc-Val-Arg-AMC · HCl		
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13 Disposal considerations		
Waste treatment methods		
 Waste disposal key: 		
18 02 06		
 Uncleaned packaging: 		
Recommendation:		
Disposal must be made according to official	egulations.	
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 Class	Void	
Class	Vold	
IMDG Class	Void	
IATA	vola	
Class	Void	
	volu	
 Packing group 	Void	
IMDG	Void	
IATA	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.

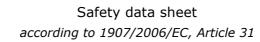
16 Other information

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 Internation
Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning th
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