

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

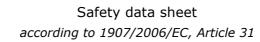
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Revision: 02.12.2013 Printing date: 07.07.2016

•	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.

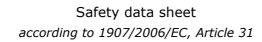
#### 06 Accidental release measures

- 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.





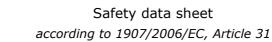
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08 Exposure controls/personal pr	rotection
Control parameters	
Ingredients with limit values that requir	re monitoring at the workplace:
CAS No. Designation of m	naterial
Not required.	
Additional information:	
The lists valid during the making were used	l as basis.
Exposure controls	
<ul> <li>Personal protective equipment:</li> </ul>	
<ul> <li>General protective and hygienic measurements</li> </ul>	ures:
The usual precautionary measures are to b	e adhered to when handling chemicals.
<ul> <li>Respiratory protection:</li> </ul>	
	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
<ul> <li>Protection of hands:</li> </ul>	
	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	
<ul> <li>Material of gloves</li> </ul>	
	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	
<ul><li>Reactivity</li><li>Chemical stability</li></ul>	
Thermal decomposition / condition	ions to be avoided:
No decomposition if used according	
<ul> <li>Possibility of hazardous reaction</li> </ul>	-
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	
<ul> <li>Information on toxicological effe</li> <li>Acute toxicity:</li> </ul>	
No further relevant information avail	able
<ul> <li>Primary irritant effect:</li> </ul>	
• on the skin:	
No further relevant information avail	able.
on the eye:	
No further relevant information avail	able.
Sensitization:	
No sensitizing effects known.	
<ul> <li>Additional toxicological informat</li> </ul>	
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.
<ul> <li>Persistence and degradability</li> </ul>	
No further relevant information avail	
Behaviour in environmental sys	tems:
Bioaccumulative potential	
No further relevant information avail	adle.
<ul> <li>Mobility in soil No further relevant information avail</li> </ul>	abla
Additional ecological information avail	
<ul> <li>General notes:</li> </ul>	I.
Not known to be hazardous to wate	r
<ul> <li>Results of PBT and vPvB asses</li> </ul>	
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		
<ul> <li>Waste disposal key:</li> </ul>		
18 02 06		
<ul> <li>Uncleaned packaging:</li> </ul>		
Recommendation:		
Disposal must be made according to official	egulations.	
14 Transport information		
UN-Number		
ADR	Void	
IMDG	Void	
ΙΑΤΑ	Void	
<ul> <li>UN proper shipping name</li> </ul>		
ADR	Void	
IMDG	Void	
ΙΑΤΑ	Void	
Transport hazard class(es)		
ADR Class	Void	
Class	Vold	
IMDG Class	Void	
IATA	vola	
Class	Void	
	volu	
<ul> <li>Packing group</li> </ul>	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.

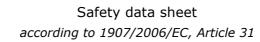
### 16 Other information

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