

BACHEM

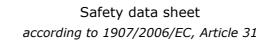
Revision: 05.04.2012 Printing date: 07.07.2016

•	Trade name:
	Suc-Ala-Ala-Pro-Val-AMC
	Article number:
	new: 4015705 old: I-1490
	CAS Number:
	113277-37-5
	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 ⊦	lazards 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
	Hazard statements Void
	Void Other hazards
	Results of PBT and vPvB assessment
	PBT:
	Not applicable.
	vPvB:
	Not applicable.

Chemical characterization: Substances

- CAS No.
- *Description* Suc-Ala-Ala-Pro-Val-AMC 113277-37-5
- Identification number(s)
- EC number:
- RTECS Number:
- GB





BACHEM

Revision: 05.04.2012 Printing date: 07.07.2016

PRODUCT : Suc-Ala-Ala-Pro-Val-AMC (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:

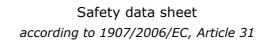
- No special measures required.
- Methods and material for containment and cleaning up: Pick up mechanically.

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.
 Protect from exposure to the light.
- Recommended storage temperature:
- -20 +/- 5 °C
- Specific end use(s)
- No further relevant information available.

(Contd. on page 3)



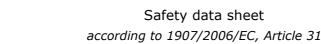


BACHEM

Revision: 05.04.2012 Printing date: 07.07.2016

	(Contd. of page 2
8 Exposure coi	ntrols/personal protection
 Ingredients with 	limit values that require monitoring at the workplace:
CAS No. Not required.	Designation of material
Additional inform	
 Personal protect 	ing the making were used as basis.
	ive and hygienic measures:
•	tionary measures are to be adhered to when handling chemicals.
 Respiratory pro 	tection:
	posure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained
respiratory protec	tive device. iratory protective device in case of insufficient ventilation.
 Protection of has 	
	al has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing te	sts no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture
•	love material on consideration of the penetration times, rates of diffusion and the degradation
 Protective gloves Material of glov 	
0	es suitable gloves does not only depend on the material, but also on further marks of quality and varies from
manufacturer to r	
Penetration time	e of glove material

General Information		
Appearance:		
Form:	Powder	
Colour:	White	
Odour:	Nearly odourless	
Odour threshold:	Not determined.	
Molecular Weight	613,6700 g/mol	
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:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	



BACHEM

Revision: 05.04.2012 Printing date: 07.07.2016

(Contd. of page 3)

PRODUCT : Suc-Ala-Ala-Pro-Val-AMC

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



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

880800

Revision: 05.04.2012 Printing date: 07.07.2016

	(Contd. of page 4)
14 Transi	port information
ADR/RID	
IMDG CI	ass: -
ICAO/IA	FA Class:
 Enviro 	nmental hazards:
Not app	licable.
 Transp 	ort in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not app	licable.
1E Dogul	tour information
15 Regul	atory information
 Nation 	al regulations:
• Water	azard class:
	ly not hazardous for water.Self-assessment
Ochicia	
Chemi	
A Chen	cal safety assessment: ical Safety Assessment has not been carried out.
A Chen 16 Other	cal safety assessment: ical Safety Assessment has not been carried out. information
A Chen 16 Other This inform	cal safety assessment: ical Safety Assessment has not been carried out.
A Chen 16 Other This inform	cal safety assessment: ical Safety Assessment has not been carried out. information nation is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features
A Chen 16 Other This inform and shall r • Depart	cal safety assessment: ical Safety Assessment has not been carried out. information nation is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features ot establish a legally valid contractual relationship. ment issuing MSDS:
A Chen 16 Other This inform and shall r • Depart	cal safety assessment: ical Safety Assessment has not been carried out. information nation is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features ot establish a legally valid contractual relationship.
A Chen 16 Other This inform and shall r Departr Departr Abbrev	cal safety assessment: ical Safety Assessment has not been carried out. information nation is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features ot establish a legally valid contractual relationship. ment issuing MSDS: nent: Marketing iations and acronyms:
A Chen 16 Other This inform and shall r Departr Abbrev ADR: A	cal safety assessment: ical Safety Assessment has not been carried out. information nation is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features ot establish a legally valid contractual relationship. ment issuing MSDS: nent: Marketing iations and acronyms: ccord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internation
A Chen 16 Other This inform and shall r Departr Departr Abbrev ADR: A Carriag	cal safety assessment: ical Safety Assessment has not been carried out. information nation is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features ot establish a legally valid contractual relationship. ment issuing MSDS: nent: Marketing iations and acronyms: ccord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internation e of Dangerous Goods by Road)
A Chen 16 Other This inform and shall r Departr Abbrev ADR: A Carriag RID: Rě	 al safety assessment: ical Safety Assessment has not been carried out. information nation is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features ot establish a legally valid contractual relationship. ment issuing MSDS: nent: Marketing iations and acronyms: ccord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internation e of Dangerous Goods by Road) glement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning th
A Chen 16 Other This inform and shall r Departr Abbrev ADR: A Carriag RID: Ré Internat	zal safety assessment: ical Safety Assessment has not been carried out. information nation is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features ot establish a legally valid contractual relationship. ment issuing MSDS: nent: Marketing iations and acronyms: ccord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internation of Dangerous Goods by Road) glement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the internation of Dangerous Goods by Rail)
A Chen 16 Other This inform and shall r Departr Abbrev ADR: A Carriag RID: Ré Internat IMDG:	zal safety assessment: ical Safety Assessment has not been carried out. information nation is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features ot establish a legally valid contractual relationship. ment issuing MSDS: nent: Marketing iations and acronyms: cord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internation e of Dangerous Goods by Road) glement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the international Maritime Code for Dangerous Goods
A Chen 16 Other This inform and shall r Departr Abbrev ADR: A Carriag RID: Ré Internat IMDG: IATA: Ir	cal safety assessment: ical Safety Assessment has not been carried out. information nation is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features ot establish a legally valid contractual relationship. ment issuing MSDS: nent: Marketing iations and acronyms: cord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internation of Dangerous Goods by Road) glement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the international Air Transport Association
A Chen 16 Other This inform and shall r Departr Abbrev ADR: A Carriag RID: Ré Internat IMDG: IATA: Ir ICAO: I	zal safety assessment: iical Safety Assessment has not been carried out. information nation is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features ot establish a legally valid contractual relationship. ment issuing MSDS: testablish a legally valid contractual relationship. ment issuing MSDS: testablish and acronyms: ccord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internation e of Dangerous Goods by Road) glement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Maritime Code for Dangerous Goods to Rail) nternational Maritime Code for Dangerous Goods ternational Air Transport Association nternational Civil Aviation Organisation
A Chen 16 Other This inform and shall r • Departr • Abbrev ADR: A Carriag RID: Rě Internat IMDG: IATA: Ir ICAO: I EINECS	zal safety assessment: icial Safety Assessment has not been carried out. information nation is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features ot establish a legally valid contractual relationship. ment issuing MSDS: nent: Marketing iations and acronyms: cord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internation e of Dangerous Goods by Road) glement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the Internation de for Dangerous Goods by Rail) nternational Air Transport Association nternational Civil Aviation Organisation S: European Inventory of Existing Commercial Chemical Substances
A Chen 16 Other This inform and shall r Departr Abbrev ADR: A Carriag RID: Ré Internat IMDG: IATA: Ir ICAO: I EINECS CAS: C	zal safety assessment: icial Safety Assessment has not been carried out. information nation is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features ot establish a legally valid contractual relationship. ment issuing MSDS: nent: Marketing iations and acronyms: ccord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internation of Dangerous Goods by Road) glement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the international Maritime Code for Dangerous Goods to Rail) nternational Air Transport Association ternational Civil Aviation Organisation S: European Inventory of Existing Commercial Chemical Substances nemical Abstracts Service (division of the American Chemical Society)
A Chen 16 Other This inform and shall r Departr Abbrev ADR: A Carriag RID: Ré Internat IMDG: IATA: Ir ICAO: I EINECS CAS: C RTECS	ail safety assessment: ical Safety Assessment has not been carried out. information nation is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features ot establish a legally valid contractual relationship. ment issuing MSDS: nent: Marketing iations and acronyms: cord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internation e of Dangerous Goods by Road) glement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the Internation e of Dangerous Goods by Road) glement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Civil Aviation Organisation is European Inventory of Existing Commercial Chemical Substances ternational Air Transport Association ternational Abstracts Service (division of the American Chemical Society) Registry of Toxic Effects of Chemical Substances
A Chen 16 Other This inform and shall r Departr Abbrev ADR: A Carriag RID: Ré Internat IMDG: IATA: Ir ICAO: I EINECS CAS: C RTECS WGK: V	zal safety assessment: icial Safety Assessment has not been carried out. information nation is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features ot establish a legally valid contractual relationship. ment issuing MSDS: nent: Marketing iations and acronyms: ccord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internation of Dangerous Goods by Road) glement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the international Kir Transport of Dangerous Goods to Rail) netrantional Air Transport Association ternational Civil Aviation Organisation St. European Inventory of Existing Commercial Chemical Substances nemical Abstracts Service (division of the American Chemical Society)