

117300

Revision: 04.04.2011 Printing date: 14.06.2014

1 Identification of the substan	ce/mixture and of the company/undertaking
Product identifier	, , , , , , , , , , , , , , , , , , , ,
Trade name:	
α-Dendrotoxin	
Article number:	
new: 4030552 old: H-1088	
CAS Number:	
74504-53-3	
 Relevant identified uses of the subs 	tance or mixture and uses advised against
 Application of the substance / the pr 	-
Laboratory chemicals	Cparation
Details of the supplier of the safety of	data sheet
Manufacturer/Supplier:	
Bachem AG	
Hauptstrasse 144 CH-4416 Bubendorf	
Switzerland	
E-mail msds@bachem.com	
Tel +41 61 935 2323	
Fax +41 61 935 2325	
 Further information obtainable from: 	
Department: Marketing	
Emergency telephone number:	
Emergency telephone number:	Information Centre, CH-Zurich)
	Information Centre, CH-Zurich)
Emergency telephone number:	Information Centre, CH-Zurich)
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H302 Harmful if swallowed

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H312 Harmful in contact with skin.
H332 Harmful if inhaled.
Precautionary statements
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P270 Do no eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P501a Dispose of contents/container in accordance with local/regional/ national/international regulations.
Other hazards
Results of PBT and vPvB assessment
PBT:
Not applicable.
vPvB:
Not applicable.

03 Composition/information on ingredients

Chemical characterization: Substances

- CAS No. Description
- 74504-53-3 α-Dendrotoxin
- Identification number(s)
- EINECS Number:
- RTECS Number:

04 First aid measures

- Description of first aid measures
- · General information:

Involve doctor immediately.Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.After inhalation:

- Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
- Call a doctor immediately.
- After skin contact:
- Seek immediate medical advice.
- After eye contact:
 Direct eye contact:
- Rinse opened eye for several minutes under running water.
- After swallowing: Call for 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 No further relevant information available.
- Advice for firefighters
- Protective equipment:

Mouth respiratory protective device.





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06 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Avoid formation of dust.
- Use respiratory protective device against the effects of fumes/dust/ aerosol. Wear protective clothing.
- Environmental precautions:
- Suppress gases/fumes/haze with water spray.
- Methods and material for containment and cleaning up:
- Dispose contaminated material as waste according to item 13.

07 Handling and storage

- · Handling:
- Precautions for safe handling Thorough dedusting.
 Ensure good ventilation/exhaustion at the workplace.
 Open and handle receptacle with care.
 Prevent formation of dust.
- Information about fire and explosion protection: Keep respiratory protective device available.
- · 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: Keep container tightly sealed.
 Store in dry conditions.
- Recommended storage temperature: -20 +/- 5 °C
- Specific end use(s) No further relevant information available.

08 Exposure controls/personal protection

- Control parameters
- Ingredients with limit values that require monitoring at the workplace: Not required.
- Additional information: The lists valid during the making were used as basis.
- · Exposure controls
- · Personal protective equipment:
- General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Store protective clothing separately. Avoid contact with the eyes and skin.
- Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- · Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Protective gloves • Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

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

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The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. • Eye protection:

Safety glasses

Information on basic physical and che	emical properties
General Information	
Appearance:	
Form:	Powder
Colour:	Whitish
Odour:	Nearly odourless
Odour threshold:	Not determined.
Molecular Weight	7.048,1100 g/mol
Change in condition	
Melting point/Melting range:	Undetermined.
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.

10 Stability and reactivity

- Reactivity
- · Chemical stability
- 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.
- Dangerous decomposition products:
- No dangerous decomposition products known.

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

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PRODUCT: a-Dendrotoxin (Contd. of page 4) 11 Toxicological information · Information on toxicological effects · 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. 12 Ecological information Toxicity · 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 05
- · Uncleaned packaging:
- Recommendation:

Disposal must be made according to official regulations.

14 Transport information

- Land transport ADR/RID (cross-border) ADR/RID class:
- Maritime transport IMDG: IMDG Class:
- · Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class:

- Environmental hazards: Not applicable.
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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

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Not applicable.

15 Regulatory information

- 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
 - IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 - ICAO: International Civil Aviation Organization
 - ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
 - EINECS: European Inventory of Existing Commercial Chemical Substances
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - * Data compared to the previous version altered.