

Not classified as hazardous according to criteria of Australian Safety and Compensation Council

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** **Tryptic digest of Bovine Serum Albumin**
- **Article number:** 217498
- **Application of the substance / the preparation** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Bruker Daltonik GmbH
Fahrenheitstrasse 4
D-28359 Bremen / Germany
Tel.: +49(421) 2205-0
Fax : +49(421) 2205-100
E-mail: care@bdal.de
- **Informing department:**
Bruker Daltonik GmbH
Tel.: +49 (421) 2205-240
- **Emergency telephone number:**
Emergency Phone : +61 3 9474 7000 ; 1800 278537 ; +49 421 2205 0
Tel.: +49 (361)730730
Gemeinsames Giftinformationszentrum (GGIZ) (Poison Information Center)

2 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Peptide mixture, lyophilised

· **Dangerous components:**

CAS: 7774-34-7 RTECS: EV 9800000	calcium chloride	 H319	< 2.5%
CAS: 9002-07-7 Index number: 647-010-00-7	Trypsin	 H334;  H315; H319; H335	< 2.5%

3 Hazards identification

- **Classification of the substance or mixture**
The product is not classified according to the Globally Harmonized System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void

4 First aid measures

- **General information** Instantly remove any clothing soiled by the product.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing**
Rinse the mouth with water immediately
Seek immediate medical advice.
- **Information for doctor** No particular measures are known - treat according to symptoms.

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5 Firefighting measures

- **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **Special hazards arising from the substance or mixture**
Formation of poisonous gases during heating or in fires.
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information** Cool endangered containers with water spray jet.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Avoid causing dust.
Avoid contact with eyes and skin.
- **Environmental precautions:** Do not allow product to reach sewage system or water bodies.
- **Methods and material for containment and cleaning up:**
Collect mechanically.
Dispose of the material collected according to regulations.
Ensure adequate ventilation.
- **Reference to other sections**
Clean the accident area carefully.
See Section 13 for information on disposal.
See Section 8 for information on personal protection equipment.

7 Handling and storage

- **Handling**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of dust.
Avoid contact with the eyes and skin.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:** Store only in the original container.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from oxidizing agents.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store in a cool place.
- **Recommended storage temperature:** < 0°C
- **Storage class** 11
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
Keep away from foodstuffs, beverages and food.

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Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

Do not inhale dust / smoke / mist.

Take off immediately all contaminated clothing

· **Breathing equipment:** If dust is produced.

· **Recommended filter device for short term use:**



Filter P1

· **Protection of hands:**



Only use chemical-protective gloves with CE-labelling of category III.

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

· **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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

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

· **Not suitable are gloves made of the following materials:**

Leather gloves

Strong gloves

· **Eye protection:**



Tightly sealed safety glasses.

· **Body protection:** Protective work clothing.

9 Physical and chemical properties

· **General Information**

· **Appearance:**

Form: Solid.

Colour: Not determined

· **Odour:** Not determined

· **Change in condition**

Melting point/Melting range: Not determined

Boiling point/Boiling range: Not determined

· **Flash point:** Not applicable

· **Self-inflammability:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive.

· **Density** Not determined

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- **Solubility in / Miscibility with**
- Water:** mixable
- **Other information** No further relevant information available.

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Incompatible materials:**
 - strong oxidizing agents
 - strong acids
 - strong bases
- **Hazardous decomposition products:** none, if stored and handled correctly.

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** irritative effect possible
- **on the eye:** irritative effect possible
- **Sensitization:** No sensitizing effect known.

12 Ecological information

- **Aquatic 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.
- **Ecotoxicological effects:** Not determined
- **Additional ecological information:**
- **General notes:**
 - Water danger class 3 (German Regulation) (Self-assessment): extremely hazardous for water.
 - Do not allow product to reach ground water, water bodies or sewage system, even in small quantities.
 - Danger to drinking water if even extremely small quantities leak into soil.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation** For disposal, local regulations issued by the authorities must be observed.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|--|------|
| <ul style="list-style-type: none"> · UN-Number · ADR, ADN, IMDG, IATA | Void |
| <ul style="list-style-type: none"> · UN proper shipping name · ADR, ADN, IMDG, IATA | Void |
| <ul style="list-style-type: none"> · Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class | Void |

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- | | |
|--|--|
| · Packing group | Void |
| · ADR, IMDG, IATA | Void |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · Transport/Additional information: | Not dangerous according to the above specifications. |
| · UN "Model Regulation": | - |

15 Regulatory information

· Australian Inventory of Chemical Substances

All ingredients are listed.

· Standard for the Uniform Scheduling of Drugs and Poisons

None of the ingredients is listed.

· GHS label elements Void

· Hazard pictograms Void

· Signal word Void

· Hazard statements Void

· National regulations

· Technical instructions (air):

Class	Share in %
I	< 2,5

· Water hazard class: Water danger class 3 (Self-assessment): extremely hazardous for water.

16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Changes made since last issue dated 20.08.2007 at the following points: *

· Relevant phrases

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

· Department issuing data specification sheet:

IGG-AD Ingenieurbüro für Gefahrstoff- und Gefahrgutberatung

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· 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 Organization

· * Data compared to the previous version altered.