

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:** ***Protein Calibration Standard I***
- **Article number:** 206355
- **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:** Protein mixture, lyophilised
- **Dangerous components:** Void

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**
Take affected persons into the open air and position comfortably
Seek medical treatment in case of complaints.
- **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.

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.

(Contd. on page 2)

Safety data sheet

According to 91/155 EEC and NOHSC

Printing date 03.07.2011

Revision: 27.06.2011

Trade name: **Protein Calibration Standard I**

(Contd. of page 1)

- **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**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Avoid causing dust.
Use breathing protection against the effects of fumes/dust/aerosol.
Avoid contact with eyes and skin.
- **Environmental precautions:**
Do not allow product to reach sewage system or water bodies.
Do not allow to enter the ground/soil.
- **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.
Avoid spilling
Keep eye irrigation utensils (bottle) ready for use at place of work.
- **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
- **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.

(Contd. on page 3)

Safety data sheet
According to 91/155 EEC and NOHSC

Printing date 03.07.2011

Revision: 27.06.2011

Trade name: Protein Calibration Standard I

(Contd. of page 2)

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:**

Protective gloves.



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.
lyophilized

Colour: Red-brown

· **Odour:** -

· **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.

(Contd. on page 4)

Safety data sheet
According to 91/155 EEC and NOHSC

Printing date 03.07.2011

Revision: 27.06.2011

Trade name: **Protein Calibration Standard I**

(Contd. of page 3)

- | | |
|---|--|
| · Density | Not determined |
| · 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:** Prolonged or repeated exposure may cause allergic reactions

12 Ecological information

- **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.
- **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.

- **European waste catalogue**

| | |
|-----------|--|
| 18 00 00 | WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care) |
| 18 02 00 | wastes from research, diagnosis, treatment or prevention of disease involving animals |
| 18 02 05* | chemicals consisting of or containing dangerous substances |

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

-AU-

(Contd. on page 5)

Safety data sheet
According to 91/155 EEC and NOHSC

Printing date 03.07.2011

Revision: 27.06.2011

Trade name: Protein Calibration Standard I

(Contd. of page 4)

14 Transport information

| | |
|--|--|
| · UN-Number · ADR, ADN, IMDG, IATA | Void |
| · UN proper shipping name · ADR, ADN, IMDG, IATA | Void |
| · Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class | Void |
| · Packing group · 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**
None of the ingredients is 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**
- **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: *

- **Department issuing data specification sheet:**
IGG-AD Ingenieurbüro für Gefahrstoff- und Gefahrgutberatung
Bismarckstraße 10
D-68623 Lampertheim
Fax: 0049-(0)6206-58422 <http://www.igg-ad.de> info@igg-ad.de
- **Contact:**
Dr. U. Prinz (u.prinz@igg-ad.de)
Dipl.-Chem. H. Hinse (heidrun.hinse@igg-ad.de)
- **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.**