

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:** **MBT STAR-ACS**

· **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:**

Tel.: +49 (361)730730 (24h)  
Gemeinsames Giftinformationszentrum (GGIZ) (Poison Information Center)

United Kingdom of Great Britain and Northern Ireland  
Regional Medicines and Poisons Information Centre NI, +44 28 90 63 2032

Australia  
Queensland Poisons Information Centre, +61 7 363 68 148  
Victorian Poisons Information Centre, +61 394 96 4509  
Western Australian Poisons Information Centre, +61 893 46 1943  
NSW Poisons Information Centre, +61 2 984 53 595

## 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** 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.

# Safety data sheet

## According to 91/155 EEC and NOHSC

Printing date 14.05.2014

Revision: 23.05.2013

**Trade name: MBT STAR-ACS**

(Contd. of page 1)

### 5 Firefighting measures

- **Suitable extinguishing agents**  
CO<sub>2</sub>, 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**  
Can be released in case of fire  
Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information**  
Cool endangered containers with water spray jet.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective clothing.  
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.  
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 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

### 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:**  
Store in cool, dry conditions in well sealed containers.  
Store container in a well ventilated position.
- **Recommended storage temperature:** < 0 °C
- **Storage class 11**
- **Specific end use(s)** No further relevant information available.

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(Contd. on page 3)

# Safety data sheet

## According to 91/155 EEC and NOHSC

Printing date 14.05.2014

Revision: 23.05.2013

Trade name: **MBT STAR-ACS**

(Contd. of page 2)

### 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.  
Wash hands during breaks and at the end of the work.  
Do not eat, drink or smoke while working.  
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.  
lyophilized

(Contd. on page 4)

# Safety data sheet

## According to 91/155 EEC and NOHSC

Printing date 14.05.2014

Revision: 23.05.2013

Trade name: **MBT STAR-ACS**

(Contd. of page 3)

· <b>Colour:</b>	-
· <b>Odour:</b>	-
· <b>Change in condition</b>	
<b>Melting point/Melting range:</b>	Not determined
<b>Boiling point/Boiling range:</b>	Not determined
· <b>Flash point:</b>	Not applicable
· <b>Self-inflammability:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product is not explosive.
· <b>Density</b>	Not determined
· <b>Solubility in / Miscibility with</b>	
<b>Water:</b>	mixable
· <b>Other information</b>	No further relevant information available.

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Incompatible materials:**
  - acids
  - acids and caustic solutions
  - strong oxidizing agents
- **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.
- **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:  
Possibly harmful by inhalation, harmful if swallowed and harmful in contact with skin.

### 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.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation** For disposal, local regulations issued by the authorities must be observed.

(Contd. on page 5)

# Safety data sheet

## According to 91/155 EEC and NOHSC

Printing date 14.05.2014

Revision: 23.05.2013

Trade name: **MBT STAR-ACS**

(Contd. of page 4)

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

### 14 Transport information

- |  |  |
|--|--|
| · <b>UN-Number</b>   | Void   |
| · <b>ADG, ADN, IMDG, IATA</b>  | Void   |
| · <b>UN proper shipping name</b>   | Void   |
| · <b>ADG, ADN, IMDG, IATA</b>  | Void   |
| · <b>Transport hazard class(es)</b>  |  |
| · <b>ADG, ADN, IMDG, IATA</b>  |  |
| · <b>Class</b>   | Void   |
| · <b>Packing group</b>   |  |
| · <b>ADG, IMDG, IATA</b>   | Void   |
| · <b>Environmental hazards:</b>  | Not applicable.                                      |
| · <b>Special precautions for user</b>  | Not applicable.                                      |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable.                                      |
| · <b>Transport/Additional information:</b>                                       | Not dangerous according to the above specifications. |
| · <b>UN "Model Regulation":</b>  | -  |

### 15 Regulatory information

- |   |
|---|
| · <b>Australian Inventory of Chemical Substances</b>  |
| None of the ingredients is listed.  |
| · <b>Standard for the Uniform Scheduling of Drugs and Poisons</b>   |
| None of the ingredients is listed.  |
| · <b>Chemical Substance Control Law</b>   |
| · <b>Specified Chemical Substances</b>  |
| None of the ingredients is listed.  |
| · <b>Monitoring /Type II Monitoring (before amendment) /Type III Monitoring (before amendment) Chemical Substances</b>            |
| None of the ingredients is listed.  |
| · <b>Priority Assessment Chemical Substances</b>  |
| None of the ingredients is listed.  |
| · <b>Chemical Substances Relating to a Public Notice Pursuant to The Provisions of Paragraph 4 of Article 4 of the Former Act</b> |
| None of the ingredients is listed.  |
| · <b>Biodegradation and Bioconcentration of Existing Chemical Substances</b>  |
| None of the ingredients is listed.  |
| · <b>Toxicity Tests Results</b>   |
| None of the ingredients is listed.  |
| · <b>GHS label elements</b> Void  |
| · <b>Hazard pictograms</b> Void   |
| · <b>Signal word</b> Void   |
| · <b>Hazard statements</b> Void   |

(Contd. on page 6)

# Safety data sheet

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**Trade name: MBT STAR-ACS**

(Contd. of page 5)

- **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.*

· **Department issuing data specification sheet:**

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Bismarckstraße 10

D-68623 Lampertheim

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· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organization

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

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