

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:** **Super-DHB (SDHB)**
- **Article number:** 209813
- **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:** Mixture consisting of the following components.

- **Dangerous components:**

CAS: 490-79-9 RTECS: LY 3850000	2,5-Dihydroxybenzoic acid	 H302; H315; H319; H335	50-100%
CAS: 2612-02-4	5-Methoxysalicylic acid	 H315; H319; H335	2.5-10%

### 3 Hazards identification

- **Classification of the substance or mixture**



GHS07

- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.

- **Label elements**

- **GHS label elements**

The product is classified and labelled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS07

- **Signal word** Warning

- **Hazard-determining components of labelling:**

2,5-Dihydroxybenzoic acid

- **Hazard statements**

Harmful if swallowed.

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*Causes skin irritation.*

*Causes serious eye irritation.*

*May cause respiratory irritation.*

**· Precautionary statements**

*Avoid breathing dust/fume/gas/mist/vapours/spray.*

*Wear protective gloves/protective clothing/eye protection/face protection.*

*IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*

*Specific treatment (see on this label).*

*Store locked up.*

*Dispose of contents/container in accordance with local/regional/national/international regulations.*

**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.*

*If skin irritation continues, consult a doctor.*

**· After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.

**· After swallowing**

*Rinse out mouth and then drink plenty of water.*

*Instantly call for doctor.*

**· Information for doctor** No particular measures are known - treat according to symptoms.

**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**

*Formation of toxic gases is possible during heating or in case of fire.*

**· Protective equipment:** Wear self-contained breathing apparatus.

**· Additional information**

*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**

*Ensure adequate ventilation*

*Wear protective clothing.*

*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 contaminated material as waste according to item 13.*

**· Reference to other sections**

*See Section 8 for information on personal protection equipment.*

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### 7 Handling and storage

- **Handling**
- **Precautions for safe handling**
  - Thorough dedusting.
  - Keep containers tightly sealed.
  - Ensure good ventilation/exhaustion at the workplace.
  - Keep eye irrigation utensils (bottle) ready for use at place of work.
  - The usual precautionary measures for handling chemicals must be observed.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:**
  - Keep containers securely closed and dry, store at 2 - 8°C.
  - Store only in the original container.
  - Store in cool location.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
  - Keep container tightly sealed.
  - Store under dry conditions.
  - Protect from humidity and keep away from water.
- **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.
  - Wash hands during breaks and at the end of the work.
  - Take off immediately all contaminated clothing
  - Avoid contact with the eyes and skin.
- **Breathing equipment:**
  - In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
- **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

Preventive skin protection by use of skin-protecting agents is recommended.

- **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

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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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

PVC or PE gloves

· **As protection from splashes gloves made of the following materials are suitable: PVC or PE gloves**

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

Strong gloves

Leather gloves

· **Eye protection:**



Tightly sealed safety glasses.

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

### 9 Physical and chemical properties

· **General Information**

· **Appearance:**

**Form:** Powder

**Colour:** Light beige

· **Odour:** Characteristic

· **Change in condition**

**Melting point/Melting range:** 195 - 205°C (383 - 401 °F)

**Boiling point/Boiling range:** Not determined

· **Flash point:** Not applicable

· **Inflammability (solid, gaseous)** Product is not inflammable.

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

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

· **Density** Not determined

· **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 bases

Acid chlorides

Acid anhydrides

· **Hazardous decomposition products:** Carbon monoxide and carbon dioxide

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**11 Toxicological information**· **Acute toxicity:**· **LD/LC50 values that are relevant for classification:****490-79-9 2,5-Dihydroxybenzoic acid**

Oral	LD50	4500 mg/kg (Mouse)
		800 mg/kg (rat)

· **Primary irritant effect:**· **on the skin:** Irritant to skin and mucous membranes.· **on the eye:** Irritant effect.· **Sensitization:** No sensitizing effect known.**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.

**13 Disposal considerations**· **Waste treatment methods**· **Recommendation** Must be specially treated under adherence to official regulations.· **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)
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18 02 00	wastes from research, diagnosis, treatment or prevention of disease involving animals
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18 02 05*	chemicals consisting of or containing dangerous substances
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· **Uncleaned packagings:**· **Recommendation:** Disposal must be made according to official regulations.**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.

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- |  |  |
|--|--|
| · <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>              |
| 490-79-9   2,5-Dihydroxybenzoic acid                              |
| · <b>Standard for the Uniform Scheduling of Drugs and Poisons</b> |
| None of the ingredients is listed.                                |

- **GHS label elements**  
The product is classified and labelled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labelling:**  
2,5-Dihydroxybenzoic acid
- **Hazard statements**  
Harmful if swallowed.  
Causes skin irritation.  
Causes serious eye irritation.  
May cause respiratory irritation.
- **Precautionary statements**  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Wear protective gloves/protective clothing/eye protection/face protection.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Specific treatment (see on this label).  
Store locked up.  
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **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 18.08.2007 at the following points: \*

- **Relevant phrases**  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.
- **Department issuing data specification sheet:**  
IGG-AD Ingenieurbüro für Gefahrstoff- und Gefahrgutberatung  
Bismarckstraße 10

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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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

· **\* Data compared to the previous version altered.**

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