

Material Safety Data Sheet

SpheriCal® Mix DHB

1. Identification of the substance and the company

Product names:	SpheriCal® Mix DHB - Peptide Low, SpheriCal® Mix DHB - Peptide Medium, SpheriCal® Mix DHB - Peptide High, SpheriCal® Mix DHB - Protein Low, SpheriCal® Mix DHB - Protein Medium
Synonyms:	Dendrimer MALDI-TOF Calibrants
CAS number:	Dendrimer MALDI-TOF Calibrants: N/A 2,5-dihydroxybenzoic acid: 490-79-9
Application of the substance:	Mass Spectrometry Calibrants
Supplier:	Polymer Factory Sweden AB Teknikringen 48 SE-114 28 Stockholm, Sweden www.polymerfactory.com
Information in case of emergency:	(Int.) +46 8 337043 (Emergency Response Center, Sweden)

2. Hazards identification

2.1 Classification of the substance or mixture

Classification of the substance to Regulation (EC) No. 1272/2008:

Acute toxicity, Oral (Category 4), H302

Skin irritation (Category 2), H315

Eye irritation (Category 2), H319

Specific target organ toxicity - single exposure (Category 3), H335

2.2 Label Elements

Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal Word Warning

Hazard Statement(s)

H302 Harmful if swallowed

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary Statements(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

3. First aid measures

General information:	Consult a physician. Show label and safety data sheet if possible.
Inhalation:	Move person to fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin contact:	Wash off with soap and plenty of water.
Eye contact:	Rinse with large amounts of water for 15 minutes. Consult a physician.
Ingestion:	Rinse mouth with plenty of water. Consult a physician.

4. Fire-fighting measures

Suitable extinguishing agents:	Water, alcohol-resistant foam, dry chemical or carbon dioxide
Special hazards arising from the substance:	Carbon oxides, Nitrogen oxides
Advice for firefighters:	Wear self-contained breathing apparatus for firefighting if necessary.

5. Accidental release measure

Personal precaution:	Use personal protective equipment. Avoid dust formation. Ensure adequate ventilation. Avoid breathing in dust.
Environmental precautions:	Do not allow to enter sewers.
Methods for cleaning/collecting:	Sweep up without creating dust. Keep in closed container for disposal.

6. Handling and storage

Precautions for safe handling:	Avoid contact with skin and eyes. Wear protective clothes and glasses.
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Avoid formation of dust

Conditions for safe storage: Store in cool, dry, well-ventilated place in tightly closed container.

7. Exposure control/Personal protection

Workplace control parameter: N/A

Personal protective equipment:

- **Respiratory protection:** The usual precautionary measures are to be adhered to when handling chemicals. Care should be taken to avoid dust- and aerosol production.
- **Skin protection:** Protection gloves. Protective lab coat.
- **Eye protection:** Safety goggles

8. Physical and chemical properties

Information on general physical and chemical properties:

- **Form:** Solid
- **Colour:** colourless to off white
- **Odour:** No data available
- **Melting point:** No data available
- **Boiling point:** No data available
- **Flash point:** No data available
- **Solubility in H₂O:** No data available
- **Viscosity:** No data available

9. Stability and reactivity

Stability: The product is stable

Conditions to avoid: No data available

Hazardous decomposition products: No data available

Incompatible materials: Strong oxidizing agents, Strong bases

10. Toxicological information

Acute health effects:	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Chronic health effects:	To the best of our knowledge, the health effect of the material has not been thoroughly investigated.

11. Ecological information

Toxicity:	No data available
Mobility in soil:	No data available
Persistence/Degradability:	No data available
Bioaccumulation:	No data available

12. Disposal considerations

Recommended disposal:	Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.
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13. Transport information

UN Identification No. :	N/A
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14. Other information

The information in this safety data sheet is based on the present state of our knowledge and is applicable to the product with regards to appropriate safety precautions. Polymer Factory shall not be held liable for any damage resulting from handling or contact with the product. Go to www.Polymerfactory.com for the terms and conditions of sale.