

MATERIAL SAFETY DATA SHEET

According to EC Regulation No. 2015/830



Version: 2
Date of Issue: 04.07.2019
Revision Date: 04.07.2019

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Identification of the product

Substance Name: **Zetadex-50 Fine, Gel Filtration Matrix**
Catalogue No.: TM-0105
Index No: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.
REACH Registration No.: Not known.
CAS No.: 9048-71-9

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use: Laboratory chemical
Uses advised against: Not known.

1.3 Detail of the supplier of the safety data sheet

Company: emp Biotech GmbH
Robert-Roessle-Str. 10
D-13125 Berlin

Telefon: +49-30-9489-2201 (Monday-Friday, 9:00 am-5:00 pm)
Telefax: +49-30-9489-3201
E-Mail: info@empbiotech.com

1.4 Emergency Number

INFOTRAC: +1-352-323-3500 (Phone) or in the **US 800-535-5053** (toll-free), 24 hours/day, 7 days/week

2. HAZARDOUS IDENTIFICATION

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008 [EU-GHS/CLP].

2.2 Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3 Other hazards

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Main component of the substance

Substance Name: Zetadex-50 Fine (bead formed composite cross-linked dextran)
Synonyms: ZDX, Z-50F
Formula: No data available
Molecular Weight: No data available
CAS No.: 9048-71-9

Percentage: 100 %

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice:

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Consult a physician. Show this safety data sheet to the doctor in attendance.

After inhalation:

Supply fresh air. If not breathing, give artificial respiration. Consult a physician.

After skin contact:

Wash off with plenty of water and soap. Remove contaminated clothing.

After eye contact:

Rinse out with plenty of water with the eyelid held wide open (≥ 10 minutes).

After swallowing:

Rinse out mouth and drink a glass of water. Do not induce vomiting. Seek medical advice immediately and show the container or label. Call for a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

CO₂, powder, alcohol-resistant foam, water in large amounts.

Extinguishing media not to be used

No data available

5.2 Special hazards arising from the substance or mixture

Carbon oxides.

5.3 Advice for firefighters

Do not stay in dangerous zone without suitable protection clothing and self-contained breathing apparatus.

5.4 Additional information

No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

6.2 Environmental precautions

Do not allow to penetrate the ground/soil.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

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Avoid formation of dust. In case of dust formation care appropriate exhaust.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry, cool and well-ventilated place.

Moisture sensitive.

Recommended storage temperature: Ambient, do not freeze.

7.3 Specific end uses

No data available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

No components with workplace control parameters

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product.

Personal protection equipment

Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Use suitable respiratory protective device only when aerosol or mist is formed. Required when vapours/aerosols are generated.

Eye protection: Safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Hand protection: Solvent-resistant gloves. Gloves must be inspected prior to use. Replace when worn. The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN374. Due to missing tests no recommendation to the glove material can be given for the product.

Skin and body protection: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures: When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Keep working clothes separately.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Important health, safety and environmental information

| | |
|-------------------------------|--------------------|
| a) Physical state: | White solid |
| b) Odour: | no data available |
| c) Odour Threshold: | no data available |
| d) pH value: | no data available |
| e) Melting point: | no data available |
| f) Boiling point: | no data available |
| g) Flash point: | no data available. |
| h) Evaporation rate: | no data available |
| i) Flammability (solid, gas): | no data available |
| j) Explosion limits: | no data available |
| k) Vapour pressure (20 °C): | no data available |
| l) Vapour density: | no data available |
| m) Relative density (20°C): | no data available |
| n) Solubility in water: | no data available |
| o) Partition coefficient: | no data available |

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- n-octanol/water
- p) Autoignition temperature: no data available
 - q) Decomposition temperature: no data available
 - r) Viscosity: no data available
 - s) Explosive properties: no data available
 - t) Oxidizing properties: no data available

9.2 Other safety information

No data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

All commonly used buffers, including: 0.2 M NaOH; 0.2 M HCl; 1 M acetic acid; 8 M urea; 6 M guanidine HCl; 1 % SOS, 24 % Ethanol; 30 % Propanol; 30 % Acetonitrile.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

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Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Potential health effects

Inhalation: No known significant effects or critical hazards
Ingestion: No known significant effects or critical hazards
Skin: No known significant effects or critical hazards
Eyes: No known significant effects or critical hazards

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Other information

RTECS numbers (NIOSH): No data available

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable suspension to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

14.1 UN number

ADR/RID: Not regulated.

IMDG: Not regulated.

IATA: Not regulated.

14.2 UN proper shipping name

ADR/RID: Not dangerous goods.

IMDG: Not dangerous goods.

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IATA: Not dangerous goods.

14.3 Transport hazard class(es)

ADR/RID: IMDG: IATA:

14.4 Packaging group

ADR/RID: IMDG: IATA:

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

No data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Pollution category (X, Y or Z): -
Type of ship (1, 2 or 3): -

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 2015/830.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available

15.2 Chemical Safety Assessment

No data available

16. OTHER INFORMATION

Used abbreviations and acronyms can be looked up under www.wikipedia.de

Full text of the listed hazard classes and hazard symbol code(s) in section 2 to 15

No data available

Additional information

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