

## SAFETY DATA SHEET

## DEAE-Dextran

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

## 1.1. Product identifier

## Trade name

DEAE-Dextran

## Other means of identification

CAS No.: 9064-91-9

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

## ▼ Relevant identified uses of the substance or mixture

Active pharmaceutical ingredient for pharmaceutical preparations and other industrial uses.  
Restricted to professional and industrial use.

## ▼ Uses advised against

None known.

## 1.3. Details of the supplier of the safety data sheet

## Company and address

**Pharmacosmos A/S**

Roervangsvej 30

4300 Holbaek

Denmark

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F: +45 5948 5960

## Contact person

Lise Larsen

## E-mail

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## Revision

07/05/2026

## SDS Version

4.0

## Date of previous version

04/02/2022 (3.0)

## 1.4. ▼ Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)

General public:

England - Dial 111 to reach NHS 111 (24 hour service)

Scotland - Dial 111 to reach NHS 24 (24 hour service)

Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)

See section 4 "First aid measures".

## SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

## 2.2. Label elements

## ▼ Hazard pictogram(s)

Not applicable.

## ▼ Signal word

Not applicable.

▼ Hazard statement(s)

Not applicable.

Precautionary statement(s)

▼ General

Not applicable.

▼ Prevention

Not applicable.

▼ Response

Not applicable.

▼ Storage

Not applicable.

▼ Disposal

Not applicable.

▼ Hazardous substances

Contains no substances that need to be listed on the label.

Additional labelling

2.3. Other hazards

▼ Additional warnings

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

### SECTION 3: Composition/information on ingredients

#### 3.1. ▼ Substances

| Product/substance | Identifiers  | % w/w   | Classification | Note |
|-------------------|--|---------|----------------|------|
| DEAE-Dextran      | CAS No.: 9064-91-9<br>EC No.:<br>UK-REACH:<br>Index No.: | 95-100% |                |      |

#### 3.2. ▼ Mixtures

Not applicable. This product is a substance.

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### ▼ Other information

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

##### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

##### ▼ Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

##### ▼ Eye contact

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

#### ▼ Ingestion

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

#### ▼ Burns

Not applicable.

#### 4.2. ▼ Most important symptoms and effects, both acute and delayed

High amounts of dust can cause coughing and general irritation of the respiratory airways.

#### 4.3. ▼ Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

#### Information to medics

Bring this safety data sheet or the label from this product.

### SECTION 5: Firefighting measures

#### 5.1. ▼ Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

#### 5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

#### 5.3. ▼ Advice for firefighters

No specific requirements.

### SECTION 6: Accidental release measures

#### 6.1. ▼ Personal precautions, protective equipment and emergency procedures

Contaminated areas may be slippery.

#### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

#### 6.3. ▼ Methods and material for containment and cleaning up

Collect spills carefully. Moist the material with water in order to prevent the formation and propagation of dust.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

#### 6.4. ▼ Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

#### 7.2. ▼ Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

##### Recommended storage material

Always store in containers of the same material as the original container.

##### Storage conditions

Should be stored according to conditions described on the label.

##### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 7.3. ▼ Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No substances are listed in the national list of substances with an occupational exposure limit.

#### ▼ DNEL

No data available.

#### ▼ PNEC

No data available.

### 8.2. ▼ Exposure controls

Apply general control to prevent unnecessary exposure

#### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

#### Exposure scenarios

There are no exposure scenarios implemented for this product.

#### Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

#### ▼ Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

Airborne gas and dust concentrations must be kept at a minimum. Provide efficient mechanical ventilation. If not possible use suitable respiratory equipment.

#### ▼ Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

#### ▼ Measures to avoid environmental exposure

No specific requirements.

### Individual protection measures, such as personal protective equipment

#### ▼ Generally

Use only UKCA marked protective equipment.

#### Respiratory Equipment

| Work situation   | Type | Class | Colour | Standards |
|--|------|-------|--------|-----------|
| If ventilation at the work place is insufficient, use a half- or full mask with a appropriate particle filter. | S/SL | -     | White  | EN149     |



#### ▼ Skin protection

No specific requirements.

#### ▼ Hand protection

No specific requirements.

#### Eye protection

| Type   | Standards |
|--|-----------|
| Wear face shield alternatively safety glasses with side shields. | EN166     |



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Physical state

Powder

## Colour

White

## Odour / Odour threshold

None

## pH

No data available

Density (g/cm<sup>3</sup>)

No data available

## Relative density

No data available

## Kinematic viscosity

No data available

## Particle characteristics

No data available

## Phase changes

## Melting point/Freezing point (°C)

No data available

## Softening point/range (°C)

Does not apply to solids.

## Boiling point (°C)

No data available

## Vapour pressure

No data available

## ▼ Relative vapour density

No data available

## Decomposition temperature (°C)

No data available

## Data on fire and explosion hazards

## Flash point (°C)

No data available

## Flammability (°C)

No data available

## Auto-ignition temperature (°C)

No data available

## Lower and upper explosion limit (% v/v)

No data available

## Solubility

## ▼ Solubility in water

Completely soluble

## n-octanol/water coefficient (LogKow)

No data available

## Solubility in fat (g/L)

No data available

## 9.2. Other information

## Evaporation rate (n-butylacetate = 100)

No data available

## ▼ Other physical and chemical parameters

No data available.

## ▼ Oxidizing properties

No data available

## SECTION 10: Stability and reactivity

## 10.1. ▼ Reactivity

No data available.

## 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

## 10.3. ▼ Possibility of hazardous reactions

None known.

## 10.4. ▼ Conditions to avoid

None known.

## 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

## 10.6. ▼ Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# SECTION 11: Toxicological information

## 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

### Acute toxicity

Based on available data, the classification criteria are not met.

### Skin corrosion/irritation

Based on available data, the classification criteria are not met.

### Serious eye damage/irritation

Based on available data, the classification criteria are not met.

### Respiratory sensitization

Based on available data, the classification criteria are not met.

### Skin sensitisation

Based on available data, the classification criteria are not met.

### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

### Carcinogenicity

Based on available data, the classification criteria are not met.

### Reproductive toxicity

Based on available data, the classification criteria are not met.

### STOT-single exposure

Based on available data, the classification criteria are not met.

### STOT-repeated exposure

Based on available data, the classification criteria are not met.

### Aspiration hazard

Based on available data, the classification criteria are not met.

### ▼ Symptoms related to the physical, chemical and toxicological characteristics

None known.

## 11.2. Information on other hazards

### ▼ Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

### ▼ Other information

None known.

# SECTION 12: Ecological information

## 12.1. ▼ Toxicity

Based on available data, the classification criteria are not met.

## 12.2. ▼ Persistence and degradability

Based on available data, the classification criteria are not met.

## 12.3. ▼ Bioaccumulative potential

Based on available data, the classification criteria are not met.

## 12.4. ▼ Mobility in soil

No data available.

**12.5. ▼ Results of PBT and vPvB assessment**

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

**12.6. ▼ Endocrine disrupting properties**

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

**12.7. ▼ Other adverse effects**

None known.

**SECTION 13: Disposal considerations****13.1. ▼ Waste treatment methods**

Product is not covered by regulations on dangerous waste.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

**▼ EWC code**

Not applicable.

**Contaminated packing**

Packaging containing residues of the product must be disposed of similarly to the product.

**SECTION 14: Transport information**

|                 | <b>14.1<br/>UN / ID</b> | <b>14.2<br/>UN proper shipping name</b> | <b>14.3<br/>Hazard class(es)</b> | <b>14.4<br/>PG*</b> | <b>14.5<br/>Env**</b> | <b>Other information:</b> |
|-----------------|-------------------------|---|----------------------------------|---------------------|-----------------------|---------------------------|
| ADR/A<br>DN/RID | -                       | -                                       | -                                | -                   | -                     | -                         |
| IMDG            | -                       | -                                       | -                                | -                   | -                     | -                         |
| IATA            | -                       | -                                       | -                                | -                   | -                     | -                         |

\* Packing group

\*\* Environmental hazards

**▼ Additional information**

Not dangerous goods according to ADR/ADN/RID, IATA and IMDG.

**14.6. ▼ Special precautions for user**

Not applicable.

**14.7. ▼ Maritime transport in bulk according to IMO instruments**

No data available.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Restrictions for application**

Restricted to professional users.

**▼ Demands for specific education**

No specific requirements.

**▼ SEVESO - Categories / dangerous substances**

Not applicable.

**▼ Additional information**

Not applicable.

**▼ Sources**

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

**15.2. Chemical safety assessment**

No

## SECTION 16: Other information

## ▼ Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway  
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
CAS = Chemical Abstracts Service  
CE = Conformité Européenne (European conformity)  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
CSA = Chemical Safety Assessment  
CSR = Chemical Safety Report  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EC = Effective concentration  
ED = Effective dose  
EINECS = European Inventory of Existing Commercial chemical Substances  
EL = Effective Loading  
ErC = Concentration associated with x% growth rate response  
ES = Exposure Scenario  
EUH statement = CLP-specific Hazard statement  
EuPCS = European Product Categorisation System  
EWC = European Waste Catalogue  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
GWP = Global warming potential  
HP = Hazardous Property code  
IARC = International Agency for Research on Cancer (IARC)  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IC = X maximum inhibitory concentration  
IMDG = International Maritime Dangerous Goods  
LC = Lethal concentration  
LCLo = Value is the lowest concentration of a material in air reported to have caused the death of animals or humans  
LD = Lethal dose  
LOAEC = Lowest Observed Adverse Effect Concentration  
LOAEL = Lowest Observed Adverse Effect Level  
LOEC = Lowest Observed Effect Concentration  
LogKow = logarithm of the n-octanol/water coefficient  
LL = Lethal Loading  
M = For multiplication factor  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
NOAEC = No Observed Adverse Effect Concentration  
NOAEL = No Observed Adverse Effect Level  
NOEC = No Observed Effect Concentration  
NOELR = No Observable Effect Loading Rate  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SCL = A specific concentration limit  
SVHC = Substances of Very High Concern  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

▼ Additional information

Not applicable.

The safety data sheet is validated by

Morten Givard / Sikma Consult / [www.sikma.dk](http://www.sikma.dk)

▼ Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

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