

Section 1: identification of the substance/mixture and of the company/company**1.1. Product identifier****Trade name**

Dextran 40

Name of the chemical

Dextran

CAS No.

9004-54-0

EC no.

232-677-5

REACH registration number

This substance is not registered under REACH, as the substance is exempt from registration under REACH Article 2 of the Regulation

1.2. Relevant identified uses for the substance or mixture and discouraged uses**Use**

For industrial use

1.3. Details of the supplier of the safety data sheet**Provider**

Magle Biopolymers A/S

Københavnsvej 140

4600 Køge

Denmark

Phone: +45 56 63 03 00

E-mail: info.biopolymers@maglegroup.comHome page URL: www.maglebiopolymers.com**Contact person**

Environment, health and safety department, EHS

1.4. Emergency phone, Poison Line Bispebjerg Hospital

+45 82 12 12 12

Section 2: Hazard Identification

2.1. Classification of the substance or mixture

The product is not classified as hazardous under Regulation (EC) No 1272/2008.

2.2. Labelling elements

The product does not require labelling according to CLP (Regulation (EC) No 1272/2008).

2.3. Endocrine disruptors

This product does not contain any substances known or suspected to be endocrine disruptors.

2.4. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, Annex XIII.

Dust risk.

Section 3: Composition of/information on ingredients

3.1. Ingredients

Chemical name	CAS No. EF No. REACH No. Deck no.	End.	Classification	H-Clause M- Factor Acute M- Factor Chronic	Note
Dextran	9004-54-0 232-677-5 -	100%	-	- - -	-

Further information on constituent substances: The full text of the H/EUH declarations mentioned in this section can be found in point 16.

Section 4: First aid measures

General advice: Show this safety data sheet to the treating physician.

4.1. Description of first aid measures

Inhalation

Avoid inhalation of dust. Seek fresh air.

Seek medical attention if you feel uncomfortable.

Skin contact

Wash with plenty of soap and water. Soiled clothes are removed immediately. Seek medical attention if you feel uncomfortable.

Eye contact

Rinse gently with water for several minutes. Remove any contact lenses if this can be done easily. Continue rinsing.

Seek medical attention if you feel uncomfortable.

Ingestion

Rinse your mouth. DO NOT induce vomiting. Seek medical attention if you feel uncomfortable.

4.2. Main symptoms and effects, both acute and delayed

Dextran is a possible antigen. A strong impact can cause a temporary increase in the heart's minute volume. May be slightly irritating to the skin, eyes and mucous membranes.

4.3. Indication of whether immediate medical attention and special treatment is necessary

Treatment symptomatically

Section 5: Firefighting

5.1. Extinguishing agents

Suitable extinguishing agents

The product is not flammable.

In the event of a fire: Match the extinguishing agents to the surroundings. Use water jet mist in the danger zone for protection

persons and for cooling containers.

Unsuitable extinguishing agents

Hard water jet

5.2. Specific hazards of the substance or mixture

In the event of a fire, irritating and harmful gases and vapours can be generated.

Avoid inhalation of fumes.

5.3. Instructions for firefighters

Special personal protective equipment for the emergency services

Special protective equipment for firefighting: SCBA

Measures in the event of a fire

Remove all sources of ignition if it is safe to do so. Collect contaminated extinguishing water separate. It must not reach drains or watercourses.

Section 6: Precautions against accidental spills

6.1. Personal safety precautions, personal protective equipment and emergency

procedures: Avoid inhalation of dust. Avoid dust formation and the spread of dust. If necessary, use a dust binder if dust formation cannot be avoided.

Use personal protective equipment. Ensure adequate ventilation

6.2. Environmental protection measures

Stop the leak if this is safe. Do not allow the undiluted mixture to enter groundwater, watercourses or sewer system.

6.3. Methods and equipment for containment and remediation

For containment: Cover the drain and clean mechanically. Collect in suitable closed containers and dispose of.

6.4. Reference to other points

Point 8: Exposure control/personal protective equipment

Item 13: Disposal matters

Section 7: Handling and storage

7.1. Precautions for safe handling

Preventive safety measures

Avoid inhalation of dust.

As far as possible, the work should take place in the open air or in a well-ventilated room. Ensure appropriate ventilation

in places where dust is generated.

General hygiene

Observe good industrial hygiene.

Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibility

The packaging should be kept tightly closed and stored in a well-ventilated place. To be stored/stored in the original container.

Section 8: Exposure control / personal protective equipment

8.1. Control parameter

National occupational exposure limit values, the substance has no occupational exposure limit value.

Fabric name	CAS No. EF No.	Exposure limit ppm / mg/m ³	Short-term exposure limit e ppm / mg/m ³	Source	Annotation	Year
Organic dust, total	9064-91-9 -	- 3	- 6		-	-

8.2. Exposure Control

Appropriate exposure control measures

Do not eat, drink, or smoke while using this product. Wash hands thoroughly after use.

Eye and face protection

Wear safety glasses or face shield (EN 166) if there is a risk of contact with dust

Hand protection

Wear chemical-resistant protective gloves for prolonged or repeated contact. (EN 374)

Nitrile protective gloves are recommended.

Recommended thickness of material: >0.11 mm

Breakthrough time of the glove material: >480 minutes

If there is a risk of contamination: Change gloves regularly.

Skin protection

No special precautions are required.

Respirators

Respiratory protection is not required under normal conditions of use. Ensure adequate room ventilation and local extraction.

Avoid dust formation. Mechanical ventilation may be necessary for dust-forming handling.

Wear suitable respiratory protection if effective ventilation is not possible. In case of dust formation, the P3 filter (EN

143) is used.

Environmental exposure control

Avoid large discharges to sewers, groundwater and surface water.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Shape/Physical Shape: Solid Form/Powder

Colour: White to yellowish powder

Smell: No data available

Melting Point/Freezing Point: No data available

Boiling point or beginning boiling point and boiling point range: No data available

Flammability: No data available

Upper and lower explosion limit: No data available

Flash Point: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

pH: 4 - 6 Ph . Eur. Method.

Kinematic Viscosity: 0.5-1.0 Method Ph. Eur.

Solubility: easily soluble

Partition coefficient n-octanol/water (log value): No data available

Steam Pressure: No data available

Density and/or relative density: No data available

Relative vapour density: No data available

9.2. Other information No data available

Section 10: Stability and reactivity

10.1. Reactivity

With appropriate handling and storage, no dangerous reactions occur.

10.2. Chemical stability

The product is chemically stable under the recommended storage, use, and temperature conditions.

10.3. Risk of dangerous reactions

No dangerous reactions known with normal use under normal conditions.

10.4. Conditions to avoid

No special precautions are required.

10.5. Materials to avoid

Strong oxidizing agents (may cause a weak reaction).

10.6. Hazardous degradation products

There are no expected hazardous degradation products associated with this material

Section 11: Toxicological information

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

Acute toxicity: The criteria for classification cannot be fulfilled based on the available data.

Skin corrosion/irritation: Based on the available data, the criteria for classification cannot be met.

Severe eye injury/irritation: Based on the available data, the criteria for classification cannot be met.

Respiratory or skin sensitization: Based on the available data, the criteria for classification cannot be met.

Germ cell mutagenicity: the criteria for classification cannot be met based on the available data

Carcinogenic: The criteria for classification cannot be fulfilled based on the available data.

Reproductive toxicity: Based on the available data, the criteria for classification cannot be met.

Simple STOT exposure: Based on the available data, the criteria for classification cannot be met.

Recurrent STOT exposures: Based on the available data, the criteria for classification cannot be met.

Aspiration risk: Based on the available data, the criteria for classification cannot be met.

11.2. Information on other hazards

Endocrine disrupting properties

The product does not contain known or suspected endocrine disruptors.

Section 12: Environmental information

12.1. Toxicity

Acute toxicity: No data are available for the mixture.

Chronic toxicity: No data are available for the mixture.

12.2. Persistence and degradability: No data are available for the mixture.

12.3. Bioaccumulation potential: No data are available for the mixture.

12.4. Soil mobility: No data are available for the mixture.

12.5. Results of PBT and vPvB assessment: Does not meet the PBT/vPvB criteria set out in REACH Annex XIII.

12.6. Endocrine-disrupting properties: Does not contain known or suspected endocrine disruptors.

12.7. Other adverse effects: No data are available for the mixture.

Section 13: Disposal

13.1. Methods of waste treatment

Disposal considerations: Disposal must be done in accordance with Directive 2008/98/EC on waste and hazardous waste.

Packaging: Contaminated packaging should be treated like the product. Completely empty packaging can be handed in for recycling

Waste code	Waste description
07 06 99	Other waste, NES

Please note - an asterisk (*) next to a code indicates that it is hazardous waste.

Others Chemical waste group C

Section 14: Transport information

- 14.1. UN number or ID number: N/A
- 14.2. UN proper shipping name: N/A
- 14.3. Transport hazard class(s): N/A
- 14.4. Packaging group: N/A
- 14.5. Environmental hazards: N/A
- 14.6. Special precautions for the user: N/A
- 14.7. Bulk transport by sea under IMO instruments: N/A

Section 15: information on regulation

15.1. Specific provisions/legislation for the substance or mixture with regard to safety, health and the environment

EU rules

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Classification under Regulation (EC) No 1272/2008 [CLP]

Safety Data Sheet in accordance with Regulation (EC) 2020/878 (REACH)

National legislation

Executive Order on Work with Substances and Materials.

Executive Order on Special Obligations for Manufacturers, Suppliers and Importers, etc. of Substances and Materials pursuant to the Working Environment Act.

Executive Order on Limit Values for Substances and Materials.

Executive Order on Waste.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for this substance.

Section 16: Other information

Changes to previous editions

Issue 5

Supplier is directed to Magle Biopolymers

Abbreviations

PBT: persistent, bio accumulative and toxic.

Ph. Eur.: European Pharmacopoeia

SCBA: Air-supplied respirator (Self-Contained Breathing Apparatus)

vPvB: very persistent and very bio accumulative.

Others

Further information

Disclaimer: The information in the SDS is based on our current knowledge and does not constitute a guarantee for specific product features. The safety data sheet must not create the basis for a legally valid contractual relationship. It is the user's responsibility to determine whether the information is appropriate and complete for their own use.