

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

1.1. Product identifier

Trade name

Dextran Sulphate

Name of the chemical

Dextran sulphate or Dextran sulphate sodium salt (DSSS)

Article No.

17-0340-00 (-01, -02, -03, -20)

CAS number

9011-18-1

EC-number

618-471-1

REACH registration number

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

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

Relevant identified uses

Cosmetics, personal care.

1.3. Details of the supplier of the safety data sheet

Supplier

Magle Biopolymers A/S

Københavnsvej 140

4600 Køge

Denmark

Telephone: +45 56 63 03 00

E-mail: info.biopolymers@maglegroup.com

Home Page URL: www.maglebiopolymers.com

Kontakt person

Environment, health and safety department, EHS

1.4. Emergency telephone number, Giftlinjen Bispebjerg hospital

+45 82 12 12 12

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008: Skin irrit. 2; H315, Eye Irrit. 2; H319, STOT SE 3; H335

For further information: see the full text of the hazard statements in section 16.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms:



Signal word:

Warning

Hazard statements:

H315 – Causes skin irritation.

H319 – Causes serious eye irritation

H335 – May cause respiratory irritation

Precautionary statements:

P261 – Avoid breathing dust/mist

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P337 + P313 – If eye irritation persists: Get medical advice/attention

P312 – Call a POISON CENTER/doctor if you feel unwell

P403 + P233 – Store in a well-ventilated place. Keep container tightly closed

P362 + P364 - Take off contaminated clothing and wash it before reuse

2.3. Endocrine-disrupting substances

This product contains no 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.

The product does not contain any known or suspected endocrine disruptors.

Dust risk.

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical name	CAS nr. EF nr. REACH nr. Indeks Nr.	Concentration.	H-phrase M-factor acute M-factor chronic	Note
Dextran sulphate or Dextran sulphate sodium salt (DSSS)	9011-18-1 618-471-1 -	100%	H315 – Skin irrit. 2 H319 – Eye Irrit. 2 H335 – STOT SE 3	-

Substance additional information

For the complete text of H- / EUH-statements mentioned in this section, see section 16.

SECTION 4: First aid measures

Generel rådgivning: Vis dette sikkerhedsdatablad til den behandlende læge.

4.1. Description of first aid measures

Inhalation

Avoid inhaling dust. Seek fresh air. Seek medical attention if discomfort occurs.

Skin contact

Wash with plenty of water and soap. Contaminated clothing should be removed immediately. Get medical advice/attention if discomfort occurs.

Eye contact

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

Get medical advice/attention.

Ingestion

Rinse your mouth. DO NOT induce vomiting. Drink 1 glass of water in small sips (dilution effect). Get medical advice/attention.

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

No data available

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

Treated symptomatically

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

This product is not flammable.

In case of fire: Co-ordinate fire-fighting measures to the fire surroundings. Use water spray jet to protect personnel and to cool endangered containers

Unsuitable extinguishing media

Strong water jet

5.2. Special hazards arising from the substance or mixture

Fires can produce irritating and harmful gases and vapours.

Avoid inhalation of vapours.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Special protective equipment for firefighters: SCBA

Measures in case of fire

Eliminate all ignition sources if safe to do so. Collect contaminated fire extinguishing water separately.

Do not allow entering drains or surface water. .

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

Do not breathe dust. Avoid generation and spreading of dust. Use work methods which minimize dust production.

Avoid contact with skin, eyes and clothes. Use personal protection equipment. Provide adequate ventilation.

6.2. Environmental precautions

Stop leak if safe to do so. Do not allow undiluted mixture to enter groundwater, streams or sewers.

6.3. Methods and material for containment and cleaning up

For containment: Cover drain and collect mechanically. Collect in closed and suitable containers for disposal.

6.4. Reference to other sections

Section 8: Exposure Controls/Personal Protection

Section 13: Disposal Considerations

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions

Avoid contact with skin, eyes and clothes. Operate if possible, out of doors or in a well-ventilated place. Provide appropriate exhaust ventilation at places where dust is formed.

General hygiene

Maintain good industrial hygiene

Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed and in a well-ventilated place. Keep/Store only in original container.

Store at 4-30 ° C.

7.3. Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure limits..

Ingredient	CAS no. EF no.	Exposure limit ppm / mg/m ³	Source	Remark	year
Dust		- 10		-	-

8.2. Exposure controls

Appropriate engineering controls

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling..

Eye / face protection

If contact is likely, use safety goggles or face shield (EN 166).

Hand protection

Use protective gloves made of nitrile. (EN 374)

Recommended material thickness: >0,11 mm

Break through time of the glove material: >480 minutes

If contamination is likely: Change gloves frequently.

Other skin protection

No special measures are necessary.

Respiratory protection

Provide adequate general and local exhaust ventilation. Use mechanical ventilation in case of handling which causes formation of dust.

If ventilation is insufficient, suitable respiratory protection must be provided. Suitable mask with particle filter P3 (European Norm 143)

Avoid dust formation.

Environmental exposure controls

Prevent major discharges to drains, groundwater and surface water.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State / physical state: Firm / powder

Color: White

Odour: No data available

Melting point / freezing point: No data available

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

Flammability: No data available

Lower and upper explosion limit: No data available

Flash point: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

pH: 6 – 8 **Method:** (1 % solution), Ph. Eur.

Kinematic viscosity: 0,5-1,0 **Method:** Ph. Eur.

Water Solubility: 100%

Partition coefficient n-octanol/water: No data available

Vapour pressure: No data available

Density and/or relative density: No data available

Relative vapour density: No data available

Viskositet: ≤ 0,32, ph. Eur.

9.2. Other information

Sulphur content, % S, 16,0-19,0

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

In powder form Dextran sulphate is stable in minimum 5 years, if stored under dry and closed conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions are known under normal use.

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials

Strong oxidizing agents

10.6. Hazardous decomposition products

There are no anticipated hazardous decomposition products associated with this material.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EF) nr. 1272/2008

Acute toxicity:

Product	Art	Method	Result	note
Dextran sulphate or Dextran sulphate sodium salt (DSSS)	Rat	RTECS, LD50 Oralt	20.600 mg/kg	Can lead to Sleep deprivation, ataxia, diarrhea

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or 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: May cause respiratory irritation.

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.

11.2. Information on other hazards

Endocrine disrupting properties

The product does not contain any known or suspected endocrine disruptors

Other information

To the best of our knowledge the chemical, physiological and toxicological properties are not sufficiently investigated. The chosen classification is based on the majority of registrations submitted to ECHA' s C&L- inventory.

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity: There are no data available on the mixture itself.

Chronical toxicity: There are no data available on the mixture itself.

12.2. Persistence and degradability: There are no data available on the mixture itself.

12.3. Bio accumulative potential: There are no data available on the mixture itself.

12.4. Mobility in soil: There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment: The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties: The product does not contain any known or suspected endocrine disruptors.

12.7. Other adverse effects: There are no data available on the mixture itself.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations: Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Packaging: F Handle contaminated packages in the same way as the substance itself. Completely emptied packages can be recycled.

07 0699	Wastes not otherwise specified
07 0513 *	solid wastes containing hazardous substances

Please note - an asterisk (*) next to a code denotes that it is HAZARDOUS WASTE.

Others: Chemical waste group C

SECTION 14: Transport information

14.1. UN-number or ID-number: Not applicable

14.2. UN proper shipping name: Not applicable

14.3. Transport hazard class(es): Not applicable

14.4. Packing group: Not applicable

14.5. Environmental hazards: Not applicable

14.6. Special precautions for user: Not applicable

14.7 Maritime transport in bulk according to IMO instruments: Not applicable

SECTION 15: Regulatory information

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

EU-regulations

Labelling according to regulation (EC) no. 1272/2008 [CLP]

Classification according to regulation (EC) no. 1272/2008 [CLP]

Safety data sheet according to regulation (EC) no.1907/2006 - 2020/878 (REACH)

National regulations

EH40/2005 Workplace exposure limits as amended

Control of Substances Hazardous to Health Regulations (COSHH)

The GB Classification Labelling and Packaging Regulation (GB CLP) - Retained CLP Regulation (EU)

No. 1272/2008 as amended for Great Britain

UK Statutory Instrument 2021 No. 904 The REACH etc. (Amendment) Regulations 2021

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out

SECTION 16: Other information

Changes to previous revision

Version 11

The supplier is directed to Magle Biopolymers

Abbreviations

LD50: Lethal dose for 50 % of the test population (lethal median dose).

PBT: Persistent, Bio accumulative and Toxic.

Ph. Eur.: European Pharmacopoeia

SCBA: Self-Contained Breathing Apparatus

vPvB: very Persistent and very Bio accumulative.

Phrase meaning

Skin irrit. 2 – Skin irritation, hazard category 2

Eye Irrit. 2 Eye irritation, hazard category 2

STOT SE 3 resp. tract irrit. - Specific Target Organ Toxicity – Single exposure, hazard category 3 -
respiratory tract irritation

H315 Causes skin irritation.

H319 Causes serious eye irritation

H335 May cause respiratory irritation

Other

Additional information

Disclaimer: The information in the safety data sheet is based on our current knowledge and does not constitute a guarantee of specific product properties. The safety data sheet may not form the basis of a legally valid contractual relationship. It is the responsibility of the user to determine the suitability and completeness of the information in relation to own use.