

# SAFETY DATA SHEET

according to 1907/2006/EC, Article 3

Version no. : 2.0  
Prepared on : 21.02.2026  
Revised on : --

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

### 1.1 Product identifiers

**Product name** Dextran Sulfate Sodium from Dextran of Mw. Approx 40000  
**Product Number** PSR22617  
**Brand** PureSynth research chemicals  
**CAS No.** 9011-18-1

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

**Identified uses** : Laboratory chemicals

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

**Company** PureSynth Research Chemicals GmbH  
64683 Einhausen Marie-Curie-StraBe. 3, Germany

### 1.4 Emergency telephone number

**Worldwide Helpline No.:** 1800-8908-260

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008**

Not a hazardous substance or mixture.

### 2.2 Label elements

**Labelling according Regulation (EC) No 1272/2008**

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

### 2.3 Other hazards:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition / information on ingredients

### 3.1 Substances

Common names & Synonyms	Mol. formula	CAS number
Dextran Sulfate Sodium from Dextran of Mw. Approx 40000	--	9011-18-1
Component	Classification	Concentration
No hazardous ingredients	--	--

#### SECTION 4: First aid measures

<b>Description of first aid measures</b>	
<b>General advice</b>	Consult a physician. Show this safety data sheet to the doctor in attendance.
<b>If inhaled</b>	Remove person to fresh air and keep comfortable for breathing. Get medical advice/ attention if you feel unwell.
<b>In case of skin contact</b>	Take off all contaminated clothing immediately. If on skin, rinse well with water. If skin irritation or rash occurs: Get medical advice/ attention.
<b>In case of eye contact</b>	Rinse with plenty of water. If easy to do, remove contact lens, if worn. If eye irritation persists: Get medical advice/ attention.
<b>If swallowed</b>	Get medical advice/ attention. Rinse mouth.
<b>Most important symptoms and effects, both acute and delayed</b>	No data available
<b>Indication of any immediate medical attention and special treatment needed</b>	No data available

#### SECTION 5: Firefighting measures

<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Dry powder, Foam, Water spray, Carbon dioxide (CO2)
<b>Special hazards arising from the substance or mixture</b>	No data available
<b>Advice for firefighters</b>	Special protective equipment for firefighters: Use personal protective equipment. Specific extinguishing methods: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Immediately evacuate personnel to safe areas. Remove undamaged containers from fire area if it is safe to do so.
<b>Further information</b>	No data available

#### SECTION 6: Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Personal precautions: Wear suitable protective equipment. Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.
<b>Environmental precautions</b>	Prevent product from entering drains.
<b>Methods and materials for containment and cleaning up</b>	Pick up and arrange disposal without creating dust.
<b>Reference to other sections</b>	See sections: 7, 8, 11, 12 and 13..

#### SECTION 7: Handling and storage

<b>Precautions for safe handling</b>	Technical measures: Prevent dispersion of dust. Local/Total ventilation: Ensure adequate ventilation. Use a local exhaust ventilation Advice on safe handling: Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Wash hands and face thoroughly after handling.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep container tightly closed. Store in a cool and shaded area. Protect from moisture. Keep under inert gas. Storage class (TRGS 510): 11
<b>Specific end use(s)</b>	No information available.

## SECTION 8: Exposure controls / Personal protection

<b>Control parameters</b>	Contains no substances with occupational exposure limit values.
<b>Exposure controls</b>	
<b>Appropriate engineering controls</b>	Install a closed system or local exhaust. Also install safety shower and eye bath.
<b>Personal protective equipment:</b>	
<b>Eye / face protection</b>	Safety glasses, Face-shield
<b>Skin protection</b>	Protective suit
<b>Body Protection</b>	Protective suit
<b>Respiratory protection</b>	Dust mask
<b>Control of environmental exposure</b>	No data available

## SECTION 9: Physical and chemical properties

<b>Appearance</b>	Form: Solid Color: White - yellow
<b>Odour</b>	No data available
<b>pH - Value</b>	No data available
<b>Density</b>	No data available
<b>Boiling Point</b>	No data available
<b>Melting Point</b>	No data available
<b>Solubility in water</b>	soluble
<b>Flash point</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Auto -ignition temperature</b>	No data available
<b>Vapour density</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Partition coefficient: n- octanol / water</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive properties</b>	No data available
<b>Upper / lower flammability or explosive limits</b>	No data available
<b>Oxidizing properties</b>	No data available

**Other safety information:** No data available

## SECTION 10: Stability and reactivity

<b>Reactivity</b>	Decomposes on heating
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Condition to avoid</b>	Exposure to moisture.
<b>Incompatible materials</b>	Oxidizing agents
<b>Hazardous decomposition products</b>	No data available

### SECTION 11: Toxicological information

<b>Acute toxicity</b>	No data available
<b>Skin corrosion/irritation</b>	No data available
<b>Serious eye damage/eye irritation</b>	No data available
<b>Respiratory or skin sensitization</b>	No data available
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenicity</b>	No data available
<b>Reproductive toxicity</b>	No data available
<b>Specific target organ toxicity - single exposure</b>	No data available
<b>Specific target organ toxicity - repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available
<b>Additional Information</b>	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### SECTION 12: Ecological information

<b>Toxicity</b>	
Toxicity to fish	No data available
Toxicity to daphnia and other aquatic invertebrates	No data available
Toxicity to algae	No data available
Toxicity to bacteria	No data available
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available
<b>Results of PBT and vPvB assessment</b>	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
<b>Other adverse effects</b>	No data available

### SECTION 13: Disposal considerations

<b>Waste treatment methods</b>	
<b>Products</b>	Disposal in accordance with local and national regulations. Entrust disposal to a licensed waste disposal company.
<b>Contaminated packaging</b>	Disposal in accordance with local and national regulations. Before disposal of used container, remove contents completely.

### SECTION 14: Transport information

	UN no.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
<b>ADR / RID</b>	--	Not regulated as a dangerous good	--	--	--
<b>IMDG</b>	--	Not regulated as a dangerous good	--	--	--
<b>IATA</b>	--	Not regulated as a dangerous good	--	--	--

## SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	:	Not applicable
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	:	Not applicable
Regulation (EC) on substances that deplete the ozone layer	:	Not applicable
Regulation (EC) No 850/2004 on persistent organic pollutants	:	Not applicable
Regulation (EU) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	:	Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	:	Not applicable

### Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

## SECTION 16: Other information

The information in this SDS is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. The user must be determined suitability of this information for his application.