



# Dextran Sulfate Sodium Salt, MW 8,000

Safety Data Sheet  
According to Regulation (EC) 1272/2008

## SECTION 1 - Chemical Product and Company Identification

### 1.1 Product Identifiers

Product Name : Dextran Sulfate Sodium Salt, MW 8,000  
AS # : 9011-18-1  
EC# : 618-471-1

### 1.2 Recommended Use of the Chemical and Restrictions of Use

Chemical manufacturing

### 1.3 Supplier Details

Supplier : BioSpectra Inc.  
100 Majestic Way  
Bangor, PA 18013  
T: 610.599.3400  
ehs@biospectra.us

### 1.4 Emergency Numbers

Emergency Numbers : US & Canada: 1-800-424-9300  
: Outside the US & Canada: +1 703-527-3887

## SECTION 2 – Hazard Identification

### 2.1 Classification of the Substance or Mixture

#### GHS Classification in accordance with 29 CFR 1910

Not Classified as a Hazardous Substance.

### 2.2 GHS Label Element Including Precautionary Statements

Not Classified as a Hazardous Substance.

### 2.3 Hazards not Classified or not Covered by the GHS

Not Applicable.

## SECTION 3 - Composition, Information on Ingredients

### 3.1 Substances

Synonyms : Dextran, hydrogen sulfate, sodium salt  
Molecular Formula :  $(C_6H_7Na_3O_{14}S_3)_n$   
Molecular Weight : 8,000 g/mol.

Component	Classification	Concentration
Dextran Sulfate, Sodium Salt	Not Classified as a Hazardous Substance	≤100%

## SECTION 4 - First Aid Measures

### 4.1 Description of Necessary First Aid Measures

Eyes	:	Immediately flush eyes with tepid water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention.
Skin	:	Immediately flush exposed area with tepid water for at least 15 minutes. Get medical attention if symptoms occur.
Ingestion	:	Do not induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person. If victim is conscious wash out mouth with water. Get medical attention if symptoms occur.
Inhalation	:	Remove from exposure to fresh air immediately. If not breathing provide artificial respiration. If breathing is difficult supply oxygen. Get immediate medical attention.

### 4.2 Most Important Symptoms/Effects, Acute and Delayed

No Information Available.

### 4.3 Indication of Immediate Medical Attention and Special Treatment

No Information Available.

## SECTION 5 - Firefighting Measures

### 5.1 Extinguishing Media

Substance is not flammable, use media most appropriate to extinguish surrounding fire.

### 5.2 Specific Hazards Associated with this Chemical

Nature of decomposition products not known.

### 5.3 Special Equipment/Precautions for Firefighters

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

### 5.4 Other Information

No Information Available.

## SECTION 6 - Accidental Release Measures

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Ensure adequate ventilation. Use proper personal protective equipment as indicated in Section 8. Avoid formation of dust.

### 6.2 Environmental Precautions

Do not allow to enter drains. Do not discharge to the environment.

### 6.3 Methods and Materials for Containment and Cleaning Up

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

### 6.4 Other Information

See Section 13 for disposal considerations.

## SECTION 7 - Handling and Storage

### 7.1 Precautions for Safe Handling

Further processing of solid materials may result in the formation of combustible dusts. Use with adequate ventilation. Avoid dust and aerosol formation.

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**7.2 Conditions for Storage Including any Incompatibilities**

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

**7.3 Other Information**

No Information Available.

**SECTION 8 - Exposure Controls, Personal Protection****8.1 Control Parameters**

This product does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

**8.2 Engineering Controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**8.3 Personal Protective Measures****Eyes**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin**

Wear appropriate gloves to prevent skin exposure. Wear impervious gloves: Nitrile rubber with layer thickness 0.11 mm.

**Clothing**

Wear appropriate impervious protective clothing to minimize contact with skin.

**Respirators**

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Where protection from nuisance levels of dust are desired use type N95 (US) or type P1 (EN143) dust masks.

**SECTION 9 - Physical and Chemical Properties****9.1 Physical and Chemical Property Information****Physical and Chemical Property Information**

Appearance	:	White to Off-White Powder
Odor	:	No Data Available
Odor threshold	:	No Data Available
pH	:	6.0-8 @ 10g/l
Melting Point/Freezing Point	:	No Data Available
Initial Boiling Point and Boiling Range	:	No Data Available
Flash Point	:	No Data Available
Evaporation Rate	:	No Data Available
Flammability	:	No Data Available
Upper/lower Flammability or Explosive limits	:	No Data Available
Vapor Pressure	:	No Data Available
Vapor Density	:	No Data Available
Relative Density	:	No Data Available
Water Solubility	:	100 g/L @ 25°C
Partition Coefficient: n-octanol/water	:	No Data Available
Auto Ignition Temperature	:	No Data Available
Decomposition Temperature	:	No Data Available

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**Physical and Chemical Property Information**

Viscosity	:	No Data Available
Explosive Properties	:	No Data Available
Oxidizing Properties	:	No Data Available

**SECTION 10 - Stability and Reactivity****10.1 Chemical Stability**

Stable under normal conditions of use and storage.

**10.2 Conditions to Avoid**

Incompatibles, dust formation.

**10.3 Incompatibilities with Other Materials**

Strong oxidizers

**10.4 Hazardous Decomposition Products: Occurs Under Fire Conditions**

No Data Available

**SECTION 11 - Toxicological Information****11.1 Toxicological Effects**

LD50/LC50	:	LD50: Oral - rat – >20,600 mg/kg.
Carcinogenicity	:	Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
Epidemiology	:	No Data Available.
Teratogenicity	:	No Data Available.
Reproductive Effects	:	No Data Available.
Neurotoxicity	:	No Data Available.
Mutagenicity	:	No Data Available.
Specific target organ toxicity -single exposure	:	No Data Available.
Other Studies	:	No Data Available.

**11.2 Additional Information**

To the best of our knowledge the associated physical, chemical and toxicological properties of this chemical have not undergone thorough investigation, all known information is contained in this SDS.

**SECTION 12 - Ecological Information****12.1 Ecotoxicity**

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 Result of PBT and vPvB Assessment**

No Data Available

**12.6 Other Adverse Effects**

No Data Available

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**SECTION 13 - Disposal Considerations**

**13.1 Disposal Methods**

Dispose of in a manner consistent with Federal, State, and Local Regulations. Do not discharge to drains, sewage systems, or the environment.

**SECTION 14 - Transport Information**

Regulations	US DOT	IATA	IMDG	TDG
Shipping Name	Not Dangerous Goods	Not Dangerous Goods	Not Dangerous Goods	Not Dangerous Goods
Hazard Class				
UN Number				
Packing Group				

**Section 15 - Regulatory Information**

**15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture**

TSCA : CAS# 9011-18-1 is listed on the TSCA inventory.

**SARA:**

- SARA 302 : Not subject to reporting requirements of SARA Title III, Section 302.
- SARA 313 : Not Applicable.
- SARA 311/312 : Not Applicable.

**STATE SPECIFIC:**

- Massachusetts Right to Know Components : No components are subject to the Massachusetts Right to Know Act.
- Pennsylvania Right to Know Components : No components are subject to the Pennsylvania Right to Know Act.
- New Jersey Right to Know Components : No components are subject to the New Jersey Right to Know Act.
- California Prop. 65 Components : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**15.2 Chemical Safety Assessment**

No Data Available.

**Section 16 - Additional Information**

**16.1 Hazard Rating**

NFPA Rating	
Health Hazard	0
Fire Hazard	0
Reactivity Hazard	0

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