Dextran Sulfate Sodium Salt

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
CAS #	:	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

OSHA Defined Hazard (Combustible Dust)

2.2 GHS Label Element Including Precautionary Statements

Signal Word	:	Warning
Hazard Statement(s)	:	May form combustible dust concentrations in air.
Precautionary Statement(s)	:	P210: Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking. P241: Use explosion-proof [electrical/ventilating/lighting/…/] equipment. P261: Avoid breathing dust. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P370+P380+P375: In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.

2.3 Hazards not Classified or not Covered by the GHS

None

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	:	Various

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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 combustible, 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.

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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.

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 0.11mm.

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	:	5.0-8 @ 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 Explosivelimits	:	No Data Available
Vapor Pressure	:	No Data Available
Vapor Density	:	No Data Available
Relative Density	:	No Data Available

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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
Viscosity	:	No Data Available
Explosive Properties	:	ST Class 1
MIE	:	1000 KJ
MIT	:	500 °C
MEC		0.375 kg/m^3
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

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12.5 Result of PBT and vPvB Assessment

No Data Available

12.6 Other Adverse Effects

No Data Available

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 Ratings

NFPA Rating	
Health Hazard	0
Fire Hazard	1
Reactivity Hazard	0

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