



Dextran 500,000 Solution

Safety Data Sheet

According to Regulation (EC) 1272/2008

SECTION 1 - Chemical Product and Company Identification

1.1 Product Identifiers

Product Name: : Dextran 500,000 Solution
 CAS #: : Mixture
 EC #: : Mixture
 RTECS #: : Not available
 REACH Registration Number : Not available

1.2 Recommended Use of the Chemical and Restrictions of Use

Chemical Manufacturing

1.3 Supplier Details

Supplier: Dextran Products (BioSpectra, Inc.)
 420 Comstock Rad
 Scarborough, ON MIL 2H5
 T: 610.599.3400
 ehs@biospectra.us

1.4 Emergency Numbers

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

SECTION 2 – Hazard Identification

2.1 Classification of Substance or Mixture

Not classified by the GHS as a hazardous substance.

2.2 GHS Label Elements Including Precautionary Statements

Not classified by the GHS as a hazardous substance.

2.3 Hazards not Classified or not Covered by the GHS

No information available

SECTION 3 – Composition, Information on Ingredients

Component	Classification	Concentration
Dextran	Not Applicable	15-20%
Water	Not Applicable	79-84%
2-Phenoxyethanol	Acute Oral Toxicity (Cat 4) Serious Eye Damage (Cat 1) Respiratory Toxicity (Single Exposure) (Cat 3)	<1%

Synonyms : Dextran 500,000 Solution
 EC Number : Mixture
 CAS Number : Mixture
 Molecular Formula : Mixture
 Molecular Weight : 500,000 g/mol

SECTION 4 – First Aid Measures

4.1 Description of Necessary First Aid Measures

Eyes	: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Remove contact lenses, if applicable.
Skin	: Take off contaminated clothing immediately. Rinse contaminated area with plenty of water for at least 15 minutes.
Ingestion	: Immediately drink plenty of water to dilute. DO NOT induce vomiting unless instructed to do so by a medical professional. Never give anything by mouth to an unconscious person.
Inhalation	: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Notes to Physician	: Treat symptomatically and supportively.

4.2 Most Important Symptoms/Effects, Acute and Delayed

Refer to Section 2.2 for Precautionary Statements if any are applicable

4.3 Indication of Immediate Medical Attention and Special Treatment

No information available

SECTION 5 - Firefighting Measures

5.1 Extinguishing Media

Water spray, alcohol-resistant foam, dry chemical or carbon dioxide

5.2 Specific Hazards Associated with this Chemical

Carbon Oxides, Sulfur Oxides, Sodium oxides

Development of hazardous combustion gases or vapors possible in the event of a fire.

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

Suppress (knock down) gases/vapors and/or mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6 - Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Avoid breathing vapors, mist or gas. Avoid substance contact. Ensure adequate ventilation. Use proper personal protective equipment as indicated in Section 8.

6.2 Environmental Precautions

Do not allow product to enter drains

6.3 Methods and Materials for Containment and Cleaning Up

Cover drains. Collect, bind and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Clean up spills immediately, observing precautions in the Protective Equipment section. Absorb material, then place into a suitable clean, dry, closed container for disposal.

6.4 Other Information

For disposal instructions see section 13.

SECTION 7 - Handling and Storage

7.1 Precautions for Safe Handling

Maintain good personal hygiene, wash hands before and after handling this product.

7.2 Conditions for Storage Including any Incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

7.3 Other Information

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8 - Exposure Controls, Personal Protection

8.1 Control Parameters

Chemical does not contain any substances with occupational exposure limits

8.2 Engineering Controls

Change contaminated clothing. Wash hands after working with substance.

8.3 Personal Protective Equipment

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 protective gloves to prevent skin exposure. Wear impervious gloves: Nitrile rubber with layer thickness 0.07mm. This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier

Clothing

Wear appropriate protective clothing to prevent skin exposure

Respirators

If ventilation is inadequate, follow standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Control of environment exposure

Do not let product enter drains

SECTION 9 - Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Cream colored liquid
Odor	: None
pH	: 4.0-8.0
pK _a	: Not available
Vapor Density	: Not available
Viscosity	: Not available
Melting Range	: Not available
Boiling Point	: Not available
Decomposition Temperature	: Not available
Specific Gravity/Density	: 1.0-1.1
Solubility	: Soluble in Water
Molecular Weight	: 500,000 g/mol

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SECTION 10 - Stability and Reactivity

10.1 Chemical Stability

Stable under standard ambient conditions (room temperature).

10.2 Conditions to Avoid

No data available

10.3 Incompatibilities with Other Materials

Strong oxidizing agents

10.4 Hazardous Decomposition Products

Hazardous decomposition products formed under fire conditions. Carbon Oxides, Sulfur Oxides, Sodium oxides

In the event of a fire refer to section 5

10.5 Hazardous Polymerization

Not data available

SECTION 11 - Toxicological Information

11.1 Toxicological Effects

LD50/LC50 Oral, rat	: No data available
LD50/LC50 Dermal, rat	: No data available
Carcinogenicity	: No data available
Epidemiology	: No data available
Teratogenicity	: No data available
Reproductive Effects	: No data available
Neurotoxicity	: No data available
Mutagenicity	: No data available
Other Studies	: No data available

11.2 Additional Information

RTECS# : Not available

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 information available

12.4 Mobility in Soil

No information available

12.5 Results of PBT and vPvB Assessment

No information available as chemical safety assessment not required/not conducted

12.6 Other Adverse Effects

No information available

SECTION 13 - Disposal Considerations

Waste material must be disposed of in accordance with federal, state, and local regulations. No mixing with other waste. Handle uncleaned containers like the product.

SECTION 14 - Transport Information

Regulations	US DOT	IATA	IMDG	Further information
Shipping Name	Not Dangerous Goods	Not Dangerous Goods	Not Dangerous Goods	Not classified as dangerous in the meaning of transport regulations
Hazard Class				
UN Number				
Packing Group				

SECTION 15 - Regulatory Information

15.1 EHS Chemical Specific Regulations

SARA:

Section 302 : This material does not contain any components with a section 302 EHS TPQ
Section 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards : No SARA Hazards

STATE SPECIFIC:

Massachusetts Right To Know Components : No components are subject to the Massachusetts Right to Know Act.

WHMIS Hazard Class: : Non-controlled

SECTION 16 - Additional Information

16.1 Hazard Ratings

NFPA Rating	
Health hazard	1
Fire Hazard	0
Reactivity Hazard	0

HMIS Classification	
Health hazard	1
Flammability	0
Physical Hazards	0

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